



WORLD  
ENDOMETRIOSIS  
SOCIETY

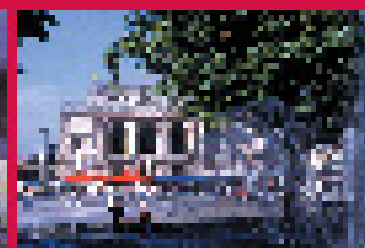
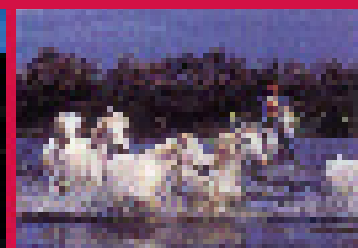
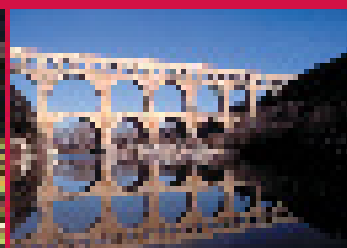
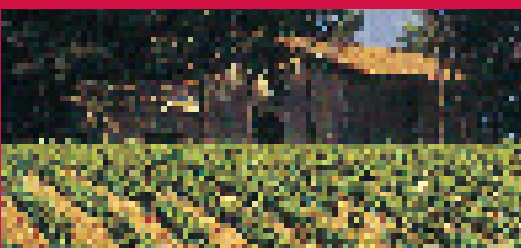


**WCE 2011**

TOWARDS EXCELLENCE

11<sup>th</sup> World Congress on  
**Endometriosis**  
4-7 September 2011  
Montpellier France

[www.wce2011.com](http://www.wce2011.com)





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## Prepare for Montpellier, listen to the accordion!

Endometriosis is an enigma. At least that's what each textbook mentions in one way or the other. If all women show retrograde menstruation and if the reflux consists of viable endometrial fragments, why then do not all of them develop endometriosis? If refluxed endometrium is self-tissue, how is it recognised, and how does the peritoneal garbage collection and disposal system – the macrophages and natural killer cells – know it should be removed and destroyed in order to prevent its fearsome implantation on the peritoneal lining?

For a long time we have had many questions and few answers. Many women have endometriosis, few have symptoms. In some, extensive endometriosis is a chance finding during laparoscopic sterilisation, in others, with debilitating pain, a few red spots is all you can find. Dozens of factors, in the menstruum, in the blood, in the peritoneal fluid, have been described which occur at significantly different rates in women with and without endometriosis. But, if so many differences exist, doesn't this mean to say that we have not found the real cause yet?

Jed Babbin, George W Bush's deputy undersecretary of defense said, in January 2003: "Going to war without France is like going deer hunting without an accordion". Maybe we have gone to war on endometriosis too impulsively? With old-fashioned contrivances, with poor diagnostic tools, and with an imperfect therapeutic armamentarium.

Maybe we should pay more attention to the accordion? Now is the time to really make scientific progress. Fascinating new techniques in cell and molecular biology, population genetics, tissue typing, immunology and advanced medical imaging finally allow us to try and understand what happens when the first few viable fragments of functional endometrium detach from their basal layer and start their travel through the tubes. Customised medicines, personalised pharmaco-genetics, targeted drug delivery systems will follow.

Only when we understand endometriosis can we treat it. An exciting new phase in the quest for knowledge starts right now. The results will be presented (in France!) in Montpellier.

Join in the excitement, come to Montpellier in 2011.

### **Hans Evers**

President

World Endometriosis Society

**TWITTER**

Keep up to date and follow us: [www.twitter.com/worldendosoc](http://www.twitter.com/worldendosoc)



Dear colleagues,

This is a personal invitation to you.

We are very proud in Montpellier to have the opportunity to receive our colleagues from every part of the world on the occasion of the 11<sup>th</sup> World Congress on Endometriosis.

We are dedicated to make this congress a very special event both scientifically and socially. Endometriosis is one of the challenges in women's health. Numerous exciting studies and research are currently under way and will bring new developments that will be presented and discussed at length in 2011.

Montpellier has a long lasting and renowned medical tradition - its medical university is one of the very first in France. September is the time of the grape harvest and certainly the best period of the year to pay a visit to the South of France, after the hordes of tourists have left the beaches and the charming villages. The weather and the temperature are exactly right!

Around the Montpellier Academic Hospital's medical team, we have gathered a national organising committee, with the participation of neighbouring countries, in addition to the international scientific committee. We will work hard to organise a perfect and memorable congress and hope that you will be able to accept our invitation and participate in moving the field of endometriosis forward towards excellence.

On behalf of the organising committee,

**Bernard Hedon**

President

WCE 2011

## RODOLPHE MAHEUX AWARD

The Rodolphe Maheux Award, which carries a cash prize of € 1,000 towards a future scientific meeting, will be presented to the first author and presenter of the best clinical presentation or poster at WCE2011. The author/presenter must be under the age of 40 at the time of the congress.

# Planning

Sunday 4 September		
08:30		08:30 - 18.15 <b>JOFFRE A</b> <b>PRE-CONGRESS COURSE PC#2</b> The uterus in the endometriosis-adenomyosis syndrome International Society for Fallopian Tubes and Reproductive Surgery Leuven Institute For Fertility and Embriology (L.I.F.E)
14:00	14:00 - 18.00 <b>JOFFRE 1</b> <b>PRE-CONGRESS COURSE PC#1</b> Excellence in endometriosis surgery Société de Chirurgie Gynécologique et Pelvienne Chairs: C. Chapron (FR), P. Madelenat (FR), M. Canis (FR)	14:00 - 17.00 <b>JOFFRE C</b> <b>PRE-CONGRESS SYMPOSIUM</b> European Endometriosis League Meeting (EEL) and World Endometriosis Research Foundation (WERF) Chair: Hans Rudolf Tinneberg (DE)
17:00		
18:00		
19:00	<b>PASTEUR</b> EXHIBITION HALL	<b>Opening ceremony and Welcome Reception</b>

**Sunday 4 September**  
**PRE-CONGRESS WORKSHOP**  
08:30 - 17:00  
**JOFFRE 5**  
International consensus workshop  
to determine research priorities for  
endometriosis  
**WES and WERF**  
Chair: P. Rogers (AU)  
Fully subscribed

Monday 5 September			
07:00 - 08:00	<p><b>EXHIBITION HALL</b></p> <p><b>Breakfast Poster Session P1</b></p>		
08:00 - 10:00	<table border="1"> <tr> <td> <p><b>EINSTEIN</b></p> <p><b>Seminar #1 (scientific)</b>  <b>Environmental influences on the development of endometriosis</b>  <i>K. Osteen (US)</i></p> <p>5 best abstracts</p> </td> <td> <p><b>PASTEUR</b></p> <p><b>Seminar #2 (clinical)</b>  <b>Therapeutic management in deep endometriosis</b>  <i>C. Chapron (FR)</i></p> <p>5 best abstracts</p> </td> </tr> </table>	<p><b>EINSTEIN</b></p> <p><b>Seminar #1 (scientific)</b>  <b>Environmental influences on the development of endometriosis</b>  <i>K. Osteen (US)</i></p> <p>5 best abstracts</p>	<p><b>PASTEUR</b></p> <p><b>Seminar #2 (clinical)</b>  <b>Therapeutic management in deep endometriosis</b>  <i>C. Chapron (FR)</i></p> <p>5 best abstracts</p>
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10:00 - 10:30	<p><b>EXHIBITION HALL</b></p> <p>Coffee/tea - Poster viewing - Exhibits</p>		
10:30 - 11:00	<p><b>PASTEUR</b></p> <p><b>Keynote Lecture #1</b>  <b>Is endometriosis a pre-neoplastic condition?</b>  <i>S.-W. Guo (CN)</i></p>		
11:00 - 11:30	<p><b>PASTEUR</b></p> <p><b>Keynote Lecture #2</b>  <b>How do we improve doctor/patient communication?</b>  <i>D. Soriano (IL)</i></p>		
11:30 - 13:00	<p><b>PASTEUR</b></p> <p><b>BAYER HEALTHCARE Symposium</b>  <b>Shifting the paradigm: a new treatment approach in endometriosis</b></p>		
13:00 - 14:00	<p><b>EXHIBITION HALL</b></p> <p>Lunch Time - Poster viewing - Exhibits</p>		
14:00 - 16:00	<table border="1"> <tr> <td> <p><b>EINSTEIN</b></p> <p><b>Seminar #3 (scientific)</b>  <b>Endometrium and endometriosis</b>  <i>C. Gargett (AU)</i></p> <p>5 best abstracts</p> </td> <td> <p><b>PASTEUR</b></p> <p><b>Seminar #4 (clinical)</b>  <b>Prevention of recurrences</b>  <i>C. Petta (BR)</i></p> <p>5 best abstracts</p> </td> </tr> </table>	<p><b>EINSTEIN</b></p> <p><b>Seminar #3 (scientific)</b>  <b>Endometrium and endometriosis</b>  <i>C. Gargett (AU)</i></p> <p>5 best abstracts</p>	<p><b>PASTEUR</b></p> <p><b>Seminar #4 (clinical)</b>  <b>Prevention of recurrences</b>  <i>C. Petta (BR)</i></p> <p>5 best abstracts</p>
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16:00 - 16:30	<p><b>EXHIBITION HALL</b></p> <p>Coffee/tea - Poster viewing - Exhibits</p>		
16:30 - 17:30	<p><b>PASTEUR</b></p> <p><b>Special seminar on the classification of endometriosis</b>  <b>What is the problem with the current classification system and how can we pull various initiatives, together to improve this?</b>  <i>C. Miller (US), D. Adamson (US), H. Tinneberg (DE)</i></p>		
17:30 - 18:30	<p><b>PASTEUR</b></p> <p><b>OLYMPUS Symposium</b>  <b>Cutting edge modalities and new trends in diagnosing endometriosis</b></p>		
19:30	<p><b>GUIDED VISIT OF THE FACULTY MUSEUM AND CONGRESS COCKTAIL DINNER</b></p>		

# Planning

Tuesday 6 September			
07:00 - 08:00	<p>EXHIBITION HALL</p> <p><b>Breakfast Poster Session P2</b></p>		
08:00 - 10:00	<table border="1"> <tr> <td> <p>EINSTEIN</p> <p><b>Seminar #5 (scientific)</b> Pain and pain mechanisms in women with endometriosis <i>K. Berkley (US)</i></p> <p>5 best abstracts</p> </td> <td> <p>PASTEUR</p> <p><b>Seminar #6 (clinical)</b> Quality of life and sexuality in women with endometriosis <i>A. Ebert (DE)</i></p> <p>5 best abstracts</p> </td> </tr> </table>	<p>EINSTEIN</p> <p><b>Seminar #5 (scientific)</b> Pain and pain mechanisms in women with endometriosis <i>K. Berkley (US)</i></p> <p>5 best abstracts</p>	<p>PASTEUR</p> <p><b>Seminar #6 (clinical)</b> Quality of life and sexuality in women with endometriosis <i>A. Ebert (DE)</i></p> <p>5 best abstracts</p>
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10:00 - 10:30	<p>EXHIBITION HALL</p> <p>Coffee/tea - Poster viewing - Exhibits</p>		
10:30 - 11:00	<p>PASTEUR</p> <p><b>Keynote Lecture #3</b> Impact and predictability of endometriosis <i>K. Zondervan (UK)</i></p>		
11:00 - 11:30	<p>PASTEUR</p> <p><b>Keynote Lecture #4</b> Micro-RNA regulated pathways in endometriosis <i>M. Ohlsson-Teague (AU)</i></p>		
11:30 - 13:00	<p>PASTEUR</p> <p><b>IPSEN Symposium</b> Endometriosis state of the Art in 2011</p>		
13:00 - 14:00	<p>EXHIBITION HALL</p> <p>Lunch Time - Poster viewing - Exhibits</p>		
14:00 - 16:00	<table border="1"> <tr> <td> <p>EINSTEIN</p> <p><b>Seminar #7 (scientific)</b> Endometriosis and pregnancy <i>J. Brosens (UK)</i></p> <p>5 best abstracts</p> </td> <td> <p>PASTEUR</p> <p><b>Seminar #8 (clinical)</b> Early diagnosis and screening <i>F. Parazzini (IT)</i></p> <p>5 best abstracts</p> </td> </tr> </table>	<p>EINSTEIN</p> <p><b>Seminar #7 (scientific)</b> Endometriosis and pregnancy <i>J. Brosens (UK)</i></p> <p>5 best abstracts</p>	<p>PASTEUR</p> <p><b>Seminar #8 (clinical)</b> Early diagnosis and screening <i>F. Parazzini (IT)</i></p> <p>5 best abstracts</p>
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16:00 - 16:30	<p>EXHIBITION HALL</p> <p>Coffee/tea - Poster viewing - Exhibits</p>		
16:30 - 17:30	<p>PASTEUR</p> <p><b>Debate</b> Endometriomas and infertility Surgery: <i>M. Canis (FR)</i> No surgery: <i>J. Garcia-Velasco (ES)</i></p>		
17:30 - 18:30	<p>PASTEUR</p> <p><b>WES general assembly</b></p>		
	<p><b>FREE EVENING</b></p>		

Wednesday 7 September				
07:00 - 08:00	EXHIBITION HALL <b>Breakfast Poster Session P3</b>			
08:00 - 10:00	<b>EINSTEIN</b> <b>Seminar #9 (scientific)</b> <b>The omics: new approaches to an old problem</b> <i>L. Hull (AU)</i>  5 best abstracts	<b>PASTEUR</b> <b>Seminar #10 (clinical)</b> <b>Infertility and endometriosis</b> <i>A. Arici (US)</i>  5 best abstracts		
10:00 - 10:30	EXHIBITION HALL Coffee/tea - poster viewing - exhibits			
10:30 - 11:30	<b>JOFFRE 1</b> <b>Free Communications FC#1</b>  Epidemiology	<b>EINSTEIN</b> <b>Free Communications FC#2</b>  Pain	<b>JOFFRE A</b> <b>Free Communications FC#3</b>  Genetics and Omics	<b>PASTEUR</b> <b>Free Communications FC#4</b>  Medical treatment
11:30 - 13:00	<b>BAYER HEALTHCARE Symposium</b> <b>Endometriosis - Sharing perspectives to improve patient management strategy</b>			
13:00 - 14:00	EXHIBITION HALL Lunch Time - Poster viewing - Exhibits			
14:00 - 15:30	<b>JOFFRE A</b> <b>Free Communications FC#5</b>  Pathophysiology / Aetiology	<b>EINSTEIN</b> <b>Free Communications FC#6</b>  Communication and Diagnosis	<b>PASTEUR</b> <b>Free Communications FC#7</b>  Surgery	<b>JOFFRE 1</b> <b>Free Communications FC#8</b>  Endometrium
15:30 - 16:00	<b>PASTEUR</b> <b>Keynote Lecture #5</b> <b>Surgery for endometriosis related pain</b> <i>M. Mueller (CH)</i>			
16:00 - 16:20	<b>PASTEUR</b> <b>Keynote lecture #6</b> <b>Research directions in endometriosis for the next three years.</b> <i>P. Rogers (AU)</i>			
16:20 - 16:45	<b>PASTEUR</b> <b>Closing ceremony</b> <b>(Awards and WCE2014)</b>			

Thursday 8 September  
**POST-CONGRESS WORKSHOP**

Montpellier 2011 consensus on the  
clinical management of endometriosis  
**World Endometriosis Society**  
Chair: N. Johnson (NZ)  
Attendance by invitation only

08:00 - 16:00  
FACULTE  
DE MEDECINE

# Scientific Programme **SUNDAY 4 SEPTEMBER**



Fully subscribed

08:30 – 17:00

Joffre 1

## **PRE-CONGRESS WORKSHOP** Defining future directions for endometriosis research

World Endometriosis Society (WES) and  
World Endometriosis Society Research Foundation (WERF)

Chair: Peter Rogers (AU)

- 08:30 – 08:40 • **Welcome and introduction to the workshop**  
P. Rogers (AU)
- 08:40 – 09:40 • **Genetics, epidemiology, aetiology, definition of cohorts, co-morbidities, infertility, pain, cancer.**  
G. Montgomery (AU)
- 09:40 – 10:00 • Coffee break
- 10:00 – 11:00 • **Resources for endometriosis research: centralised databases. Multi-centre clinical trials for endometriosis, pain and infertility. Role of environmental contaminants and endocrine disruptors. Pathogenesis of pain. Prevention of endometriosis. The immune response in women with endometriosis. Diet and endometriosis.**  
L. Giudice (US)
- 11:00 – 12:00 • **Cost, centres of excellence, non-human primate models, non-hormonal medical treatment, clinical guidelines, peritoneal involvement, proteomics, retrograde menstruation, surgical research.**  
T. D'Hooghe (BE)
- 12:00 – 13:00 • Lunch
- 13:00 – 14:00 • **Animal models, genomics, fertility/implantation, adhesions, mesothelium, progesterone resistance.**  
A. Fazleabas (US)
- 14:00 – 15:00 • **Cytokines, growth factors, proteases, biomarkers for diagnosis, invasion, histology/pathology, tissue remodeling. Translation of research and pharmaceutical industry input to the research agenda.**  
R. Taylor (US)
- 15:00 – 15:30 • Coffee break
- 15:30 – 16:00 • **Angiogenesis, inflammation, neuropeptides, oxidative stress, apoptosis, stem cells and endometriosis. Resources for endometriosis research. Lobbying and collaboration with patient groups.**  
F. Petraglia (IT)
- 16:30 – 17:00 • **Summaries and way forward**  
P. Rogers (AU)



14:00 – 18:15

**PRE-CONGRESS COURSE PC#1**  
**Excellence in endometriosis surgery**

Joffre 1

Société de Chirurgie Gynécologique et Pelvienne

Chairs: Charles Chapron (FR), Patrick Madelenat (FR) & Michel Canis (FR)

## State of the art

- 14:00 • **Ovarian endometrioma: the state of the art.**  
P. Madelenat (Paris)
- 14:20 • **Deep endometriosis: is there a place for a vaginal approach?**  
D. Raudrant (Lyon)
- 14:40 • **Deep endometriosis: the urologic point of view**  
P. Panel (Versailles)
- 15:00 • **Deep endometriosis: a good indication for robotic surgery?**  
P. Collinet (Lille)
- 15:20 • **ART and endometriosis: the need to optimise endometrial receptivity**  
D. de Ziegler (Paris)
- 15:45 Coffee Break

## Free communications

- 16:00 • **LH-LHCGR and pathogenesis of endometriosis**  
P. Santulli - C. Chapron (Paris)
- 16:10 • **3D ultrasonography assessment of ovarian volume reduction following endometrioma cystectomy**  
C. Mokdad - H. Roman (Rouen)
- 16:20 • **Infection after OMA puncture for ART: Is it a dilemma?**  
G. Priou (Rennes)
- 16:30 • **Bladder endometriosis: a unique pathogenesis?**  
M. Piketty – J-L. Benifla (Paris)
- 16:40 • **Genome-wide association study in endometriosis**  
B. Borghese – C. Chapron (Paris)
- 16:50 • **Safety of transient ovariopexy in severe endometriotic patients**  
C. Poncelet(Bondy)
- 17:00 • **DIE and infertility: Is complete exeresis necessary?**  
M. Koskas - C. Yasbeck (Paris)
- 17:10 • **Fertility after intestinal resection for DIE**  
C. Touboul – E. Darai (Paris)
- 17:20 • **The “reverse” techniques for the surgical treatment of rectovaginal endometriosis**  
W. Kondo - M. Canis (Clermont-Ferrand)
- 17:30 • **Ethanol sclerotherapy: a treatment option for ovarian endometriomas before IVF**  
C. Yasbeck (Paris)

08:30 – 18:15 **PRE-CONGRESS COURSE PC#2**

**Joffre A**

**The uterus in the endometriosis-adenomyosis syndrome**

**Leuven Institute for Fertility & Embryology (L.I.F.E.)**

08:20 – 08:30 **Welcome**

08:30 – 09:45 **SESSION 1 - The syndrome**

Chairs: H. Taylor (US) & P. Puttemans (BE)

- 08:30 • **History of endometriosis and adenomyosis** ..... G. Benagiano (IT)
- 09:00 • **Spectrum of symptoms** ..... M. Nisolle (BE)

**Discussion**

09:45 – 11:00 **SESSION 2 - The endo-myometrium**

Chairs: I. Brosens (BE) & M. Nisolle (BE)

- 09:45 • **The endometrium** ..... S.-W. Guo (CN)
- 10:15 • **The myometrial junction zone**

**Discussion**

11:00 – 11:30 Coffee break

11:30 – 13:15 **SESSION 3 - Reproduction**

Chairs: G. Benagiano (IT) & R. Campo (BE)

- 11:30 • **Angiogenesis** ..... C. Becker (UK)
- 12:00 • **Implantation failure** ..... H. Taylor (US)
- 12:30 • **Obstetrical disorders** ..... I. Brosens (BE)

**Discussion**

13:15 – 14:00 Lunch

14:00 – 15:30 **SESSION 4 - Diagnosis**

Chairmen: S. Gordts (BE) & M. Bazot (FR)

- 14:00 • **MRI diagnosis** ..... M. Bazot (FR)
- 14:15 • **Ultrasound diagnosis** ..... C. Exacoustos (IT)
- 14:30 • **Hysteroscopy** ..... R. Campo (BE)
- 14:45 • **Endo-myometrial biopsy** ..... S. Gordts (BE)

**Discussion**

15:30 – 16:00 Coffee break

16:00 – 17:30 **SESSION 5 - Management**

Chairs: H. Taylor & S.-W. Guo (CN)

- 16:00 • **Junctional zone hyperplasia and IVF** ..... P. Piver (FR)
- 16:20 • **Surgical management** ..... S. Gordts (BE)
- 16:40 • **Interventional management** ..... E. Stewart (US)
- 17:10 • **New classification for endometriosis-adenomyosis** ..... D. Tran (FR)  
..... J. Belaisch (FR)

**Discussion**

17:45 – 18:15 **SESSION 6 - Round Table**

**“The endo-myometrium dysfunction syndrome”**

18:15 **Closing**

14:00 – 17:00 **PRE-CONGRESS SYMPOSIUM**  
Deep infiltrating endometriosis

Joffre C

European Endometriosis League (EEL) and  
Endometriosis Research Foundation (SEF)

## **SESSION 1**

Chairs: S. Renner (DE) & M. Wölfler (DE)

- 14:00 • **Centres of Excellence – 5 years of experience**  
K.-W. Schweppe (DE)
- 14:10 • **Vagino-sonografic identification of DIE**  
G. Hudelist, J. Keckstein (AT)
- 14:20 • **How to classify endometriosis**  
P. Oppelt (AT)
- 14:30 • **The revised ENZIAN classification for DIE**  
F. Tuttlies, J. Keckstein (AT)

## **SESSION 2**

Chairs: F. Tuttlies (DE) & L. Mettler (DE)

- 15:00 • **Histological parameters of DIE**  
M. Wölfler (DE)
- 15:10 • **Lymphangiosis in DIE**  
S. Mechsner (DE)
- 15:20 • **Extragenital carcinoma arising from DIE**  
U. Ulrich (DE)
- 15:30 • **Predictive factors of recurrence of endometriosis**  
S. Renner (DE)

## **SESSION 3**

Chairs: S. Mechsner (DE) & G. Hudelist (AT)

- 16:00 • **Classification and management of complications in DIE – related surgery**  
A. Ebert (DE)
- 16:10 • **Uterus preserving surgery in adenomyosis**  
L. Mettler (DE)
- 16:20 • **Improved defecation score after laparoscopic bowel resection for DIE**  
M. Müller (CH)

# endometriosis.org

global forum for news and information

Endometriosis.org is the global platform linking all stakeholders in endometriosis – one of the most common causes of pelvic pain and infertility in women.

We facilitate collaboration and information sharing between women with endometriosis, physicians, scientists, and others interested in the disease. This international cooperation and exchange of experience enables us to deliver up to date, evidence based, information and news about endometriosis.

Our goal is to empower women with endometriosis to participate fully in making informed decisions about their treatment options.

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monthly news · updates in research advancements · treatment options · guidelines · coping articles  
clinical trials · global support groups · bookstore · congress schedule · [www.endometriosis.org](http://www.endometriosis.org)



19:00 – 21:00

Pasteur

## OPENING CEREMONY

### 25th Anniversary of the World Congresses on Endometriosis

- **Welcome and history of medicine in Montpellier**  
Bernard Hédon (FR)
- **25 years of progress in endometriosis**  
Michel Canis (FR), Hans Evers (NL), and Paolo Vercellini (IT)

Exhibition  
Hall

## WELCOME RECEPTION

### of the 11th World Congress on Endometriosis

07:00 – 08:00

Exhibition  
Hall

## BREAKFAST POSTER SESSION P1

Topics	Area	Board#
01. <b>ART</b>	EINSTEIN	1 to 8
02. <b>Cancer</b>	EINSTEIN	9 to 13
03. <b>Deep endometriosis</b>	EINSTEIN	14 to 40
04. <b>Endometrium</b>	CITADELLE	41 to 55
05. <b>Environmental factors</b>	CITADELLE	56 to 61
06. <b>Genetics</b>	LOUISVILLE	62 to 95
07. <b>Prevention and recurrence</b>	CITADELLE	96 to 102
08. <b>Other</b>	BARCELONE	103 to 120

08:00 – 10:00

Einstein

## SEMINAR #1 (SCIENTIFIC)

### Environmental influences on the development of endometriosis

Chairs: Linda Giudice (USA) & Renaud de Tayrac (FR)

08:00 • Moderator's lecture: Kevin Osteen (US)

08:20 • **S#1-1 Increased catalase activity of endometrial cells by in vitro treatment with DI-(2-Ethylhexyl) Phthalate**

S. H. Kim <sup>1</sup>, Y. S. Oh <sup>1</sup>, H. D. Chae <sup>1</sup>, C.-H. Kim <sup>1</sup>, B. M. Kang <sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, University of Ulsan College of Medicine, Asan Medical Center, Seoul, Republic Of Korea

08:35 • **S#1-2 Brain-derived neurotrophic factor (BDNF) in plasma of women affected by endometriosis**

N. Pluchino <sup>1</sup>, V. Cela <sup>1</sup>, L. Freschi <sup>1</sup>, A. Giannini <sup>1</sup>, S. Luisi <sup>2</sup>, E. Casarosa <sup>1</sup>, M. Luisi <sup>1</sup>, A. R. Genazzani <sup>1</sup>

<sup>1</sup>Department of Reproductive Medicine and Child Development, University of Pisa, Pisa, <sup>2</sup>Section of Obstetrics and Gynecology, Department of Paediatrics, Obstetrics, and Reproductive Medicine, University of Siena, Siena, Italy

08:50 • **S#1-3 Alcohol consumption and endometriosis: A multi-centre, case-control study**

R. S. Bevan <sup>1</sup>, K. Walker-Bone <sup>2</sup>, L. Hummelshoj <sup>3</sup>, K. E. Nnoaham <sup>4</sup>, K. T. Zondervan <sup>5</sup>

<sup>1</sup>Brighton & Sussex Medical School, Brighton, <sup>2</sup>Department of Rheumatology, Brighton & Sussex Medical School, Brighton, <sup>3</sup>World Endometriosis Research Foundation, London, <sup>4</sup>Department of Public Health, <sup>5</sup>Nuffield Department of Obstetrics & Gynaecology, University of Oxford, Oxford, United Kingdom

09:05 • **S#1-4 Vitamin A and endometriosis risk: A prospective cohort study**

A. C. Eke <sup>1</sup>, J. E. Chavarro <sup>2, 3</sup>, H. R. Harris <sup>4</sup>, S. A. Missmer <sup>2, 3, 4</sup>

<sup>1</sup>Department of Health Policy and Management, <sup>2</sup>Department of Epidemiology, Harvard School of Public Health, <sup>3</sup>Channing Laboratory, <sup>4</sup>Department of Obstetrics, Gynecology, and Reproductive Biology, Brigham & Women's Hospital and Harvard Medical School, Boston, United States

09:20 • **S#1-5 Early life events and the risk of endometriosis: The French E3N cohort**

M. Kvaskoff <sup>1</sup>, A. Bijon <sup>1</sup>, F. Clavel-Chapelon <sup>1</sup>, S. Mesrine <sup>1</sup>, M.-C. Boutron-Ruault <sup>1</sup>

<sup>1</sup>"Nutrition, Hormones and Women's Health" Team, Inserm U1018, Centre for Research in Epidemiology and Population Health (CESP), Gustave Roussy Institute, Villejuif, France

09:35 • Discussion and summary

08:00 – 10:00

## SEMINAR #2 (CLINICAL)

### Therapeutic management in deep endometriosis

Pasteur

Chairs: Neil Johnson (NZ) & François Golfier (FR)

08:00 • Moderator's lecture: Charles Chapron (FR)

08:20 • **S#2-1 Lymphangiogenesis in deep infiltrating endometriosis**

S. Keichel <sup>1</sup>, M.-L. Barcena de Arellano <sup>1</sup>, U. Reichelt <sup>2</sup>, A. Schneider <sup>1</sup>, C. Köhler <sup>1</sup>, S. Mechsner <sup>1</sup>  
<sup>1</sup>Gynecology, <sup>2</sup>Pathology, Charité, Berlin, Germany

08:35 • **S#2-2 Ileocecal involvement associated with low rectal endometriosis:**

#### An index of severity?

M. Leconte <sup>1</sup>, L. Marcellin <sup>2</sup>, P. Santulli <sup>3</sup>, B. Borghese <sup>2</sup>, C. Chapron <sup>2</sup>, B. Dousset <sup>1</sup>

<sup>1</sup>Department of Digestive and Endocrine Surgery, University Hospital Cochin, Assistance Publique – Hôpitaux De Paris (AP- HP), Université Paris Descartes, <sup>2</sup>Department Of Gynecology Obstetrics II And Reproductive Medicine, University Hospital Saint-Vincent-De-Paul, Assistance Publique – Hôpitaux De Paris (AP- HP), Université Paris Descartes, <sup>3</sup>Department Of Gynecology Obstetrics II And Reproductive Medicine, University Hospital Saint-Vincent-De-Paul, Assistance Publique – Hôpitaux De Paris (AP- HP), Université Paris , Paris, France

08:50 • **S#2-3 The effect of hormonal therapy on the nerve fibre density in patients with deep infiltrating endometriosis (DIE) of the rectovaginal septum**

S. Tarjanne <sup>1</sup>, B. Maneck, C.H.M Ng, J. T. Arola, I. S. Fraser, O. Heikinheimo

<sup>1</sup>Dep of Obstetrics And Gynaecology, Helsinki University Hospital, Helsinki, Finland

09:05 • **S#2-4 Urodynamic profile of patients with deep infiltrating endometriosis**

S. Estrade Huchon <sup>1</sup>, A. Fauconnier <sup>1</sup>, A. Le Tohic <sup>2</sup>, C. Huchon <sup>1</sup>, P. Panel <sup>2</sup>

<sup>1</sup>Gynecologie Obstetrique, Centre Hospitalier De Poissy Saint Germain, Poissy, <sup>2</sup>Gynecologie Obstetrique, Centre Hospitalier De Versailles, Versailles, France

09:20 • **S#2-5 Identification of non-invasive markers of peritoneal deep infiltrating endometriosis in women with chronic pelvic pain**

S. Banerjee <sup>1</sup>, K. Ballard <sup>1</sup>, V. Andrews <sup>2</sup>, J. T. Wright <sup>1</sup>

<sup>1</sup>Faculty Of Medicine, University of Surrey, Woking, <sup>2</sup>Obstetrics and Gynaecology, St Peter's Hospital, Chertsey, United Kingdom

09:35 • Discussion and summary

10:00 – 10:30

## COFFEE/TEA - POSTER VIEWING – EXHIBITS

Exhibition  
Hall

10:30 – 11:00

## KEYNOTE LECTURE #1

### Is endometriosis a pre-neoplastic condition?

Pasteur

Sun-Wei Guo (CN)

Chairs: Paolo Vercellini (IT) & Michel Canis (FR)

11:00 – 11:30

Pasteur

**KEYNOTE LECTURE #2**

How do we improve doctor/patient communication?

David Soriano (IL)

Chairs: Paolo Vercellini (IT) & Michel Canis (FR)

11:30 – 13:00

Pasteur

**BAYER HEALTHCARE SYMPOSIUM**

Shifting the paradigm: a new treatment approach in endometriosis

Chairs: Ludwig Kiesel (DE)

11:30 • **A closer look at progestins in endometriosis treatment**

Felice Petraglia (IT)

11:50 • **Exploring the science of dienogest in endometriosis treatment**

Alfred Mück (DE)

12:10 • **Innovation in endometriosis treatment**

Thomas Strowitzki (DE)

12:30 • **Clinical experience with Dienogest**

12:50 • **Q & A and summary**

13:00 – 14:00

**LUNCH TIME - POSTER VIEWING – EXHIBITS**

Exhibition  
Hall

14:00 – 16:00

Einstein

**SEMINAR #3 (SCIENTIFIC)**  
Endometrium and endometriosis

Chairs: Robert Taylor (USA) & Arnaud Fauconnier (FR)

14:00 • Moderator's lecture: **Caroline Gargett (AU)**

14:20 • **S#3-1 Macrophages increased the colony forming activity of putative endometrial and endometriotic stromal stem cells**

R. W. S. Chan <sup>1, 2</sup>, C. Y. Y. Chan <sup>1</sup>, K. C. L. Lee <sup>1, 2</sup>, E. H. Y. Ng <sup>1, 2</sup>, W. S. B. Yeung <sup>1, 2</sup>

<sup>1</sup>Department of Obstetrics and Gynaecology, <sup>2</sup>Centre of Reproduction, Development and Growth, University of Hong Kong, Hong Kong, China

14:35 • **S#3-2 PPAR-GAMMA receptor ligation reduces eutopic endometrial nerve fiber density in baboons: A prospective, randomized, placebo-controlled study**

D. I. Lebovic <sup>1</sup>, J. Yu <sup>2</sup>, T. D'Hooghe <sup>3</sup>, C. Kyama <sup>4</sup>, I. M. Bird <sup>1</sup>, R. N. Taylor <sup>2</sup>

<sup>1</sup>Obstetrics and Gynecology, University of Wisconsin-Madison, Madison, <sup>2</sup>Obstetrics and Gynecology, Emory University, Atlanta, United States, <sup>3</sup>Obstetrics and Gynecology, Leuven University Fertility Center, Leuven, Belgium, <sup>4</sup>Institute of Primate Research, Nairobi, Kenya

14:50 • **S#3-3 Application of microfluidic technology to establish endometriosis in vitro cell coculture model and the investigation of endometrial stromal cell migration and invasion**

Y. Dai <sup>1</sup>, J. Leng <sup>1</sup>, J. Lang <sup>1</sup>, Z. Dong <sup>1</sup>, X. Jiang <sup>2</sup>

<sup>1</sup>Obstetrics & Gynecology, Peking Union Medical College Hospital, <sup>2</sup>National Center For Nanoscience And Technology, Beijing, China

15:05 • **S#3-4 Steroid sulfatase inhibition decreases endometriosis development in a heterologous murine model**

S. Colette <sup>1</sup>, S. Defrère <sup>1</sup>, J.-C. Lousse <sup>1</sup>, A. Van Langendonck <sup>1</sup>, J.-P. Gotteland <sup>2</sup>, E. Loumaye <sup>2</sup>, J. Donnez <sup>1</sup>

<sup>1</sup>Department of Gynecology, Université Catholique De Louvain, Institut De Recherche Expérimentale Et Clinique, 1200 Brussels, Belgium, <sup>2</sup>Preglem S.A., 1228 Plan-Les-Quates, Geneva, Switzerland

15:20 • **S#3-5 Endometrial expression of neuropilins in women with endometriosis**

A. J. Hey-Cunningham <sup>1</sup>, M. Berbic <sup>1</sup>, C. H. M. Ng <sup>1</sup>, R. Markham <sup>1</sup>, I. S. Fraser <sup>1</sup>

<sup>1</sup>Obstetrics and Gynaecology, The University of Sydney, Sydney, Australia

15:35 Discussion and summary

14:00 – 16:00

Pasteur

**SEMINAR #4 (CLINICAL)**  
Prevention of recurrences

Chairs: Robert Rebar (USA) & Hervé Dechaud (FR)

14:00 • Moderator's lecture: **Carlos Alberto Petta (BR)**

14:20 • **S#4-1 Probiotics inhibit the growth of endometriotic lesions in a murine model**

M. Takamura <sup>1</sup>, Y. Osuga <sup>1</sup>, Y. Urata <sup>1</sup>, G. Izumi <sup>1</sup>, M. Harada <sup>1</sup>, T. Hirata <sup>1</sup>, Y. Hirota <sup>1</sup>, O. Yoshino <sup>1</sup>, K. Koga <sup>1</sup>, Y. Taketani <sup>1</sup>

<sup>1</sup>Obstetrics & Gynecology, University of Tokyo, Tokyo, Japan

14:35 • **S#4-2 May endometriosis be correlated with stressful life events and psychiatric disorders? the role of serotonin transporter gene promoter polymorphism**

S. Resta <sup>1</sup>, D. Yazdanian Masouleh <sup>1</sup>, E. Fuggetta <sup>1</sup>, A. Ticino <sup>1</sup>, P. Storelli <sup>1</sup>, M. G. Porpora <sup>1</sup>

<sup>1</sup>Department Of Gynaecology & Obstetrics And Urology, Sapienza University of Rome, Rome, Italy, Germany, <sup>2</sup>Brigham And Women's Hospital, Boston, <sup>3</sup>University of Illinois, Urbana-Champaign, United States, <sup>4</sup>University of Edinburgh, Edinburgh, United Kingdom, <sup>5</sup>Department of Ob/Gyn & Reproductive Biology, Michigan State University College of Human Medicine, Grand Rapids, United States

14:50 • **S#4-3 Lesion kinetics in a non-human primate model of endometriosis**

P. Hairichian <sup>1</sup>, I. Gashaw <sup>1</sup>, S. Lipskind <sup>2</sup>, A. Braundmeier <sup>3</sup>, J. M. Hastings <sup>4</sup>, M. Olson <sup>5</sup>, A. T. Fazleabas <sup>5</sup>

<sup>1</sup>Target Discovery, Bayer Healthcare, Berlin <sup>1</sup>Target Discovery, Bayer Healthcare, Berlin, Germany, <sup>2</sup>Brigham and Women's Hospital, Boston, <sup>3</sup>University of Illinois, Urbana-Champaign, United States, <sup>4</sup>University of Edinburgh, Edinburgh, United Kingdom, <sup>5</sup>Department of Ob/Gyn & Reproductive Biology, Michigan State University College of Human Medicine, Grand Rapids, United States

**15:05 • S#4-4 A 5-Year experience of ethanol sclerotherapy in recurrent ovarian endometriomas: results on efficacy and fertility outcomes**

C. Yazbeck <sup>1</sup>, M. Koskas <sup>2</sup>, V. Kahn <sup>2</sup>, P. Oger <sup>2</sup>, D. Luton <sup>2</sup>, P. Madelenat <sup>2</sup>

<sup>1</sup>Obstetrics Gynecology & Reproductive Medicine, <sup>2</sup>Bichat Claude Bernard University Hospital, Paris, France

**15:20 • S#4-5 Persistent organic pollutants and endometriosis: importance of biologic media for defining exposure - the endo study**

G. M. Buck Louis <sup>1</sup>, C. M. Perterson <sup>2</sup>, M. Croughan <sup>3</sup>, Z. Chen <sup>4</sup>, R. Sundaram <sup>5</sup>, M. Hediger <sup>6</sup>, J. Stanford <sup>7</sup>, M. Varner <sup>2</sup>, L. Giudice <sup>3</sup>, V. Fujimoto <sup>3</sup> and ENDO Study Working Group Drs. Patrick Parsons and Kannan Kurunthachalam

<sup>1</sup>Division Epidemiology, Statistics And Prevention, National Institutes Of Health, Rockville, <sup>2</sup>Obstetrics & Gynecology, University of Utah, Salt Lake City, <sup>3</sup>Obstetrics & Gynecology, University Of California - San Francisco, San Francisco, <sup>4</sup>Biostatistics & Bioinformatics, NIH, <sup>5</sup>Biostatistics & Bioinformatics, <sup>6</sup>Epidemiology Branch, NICHD, Rockville, <sup>7</sup>Family & Preventive Medicine, University of Utah, Salt Lake City, United States

**15:35 • Discussion and summary**

16:00 – 16:30

**COFFEE/TEA - POSTER VIEWING - EXHIBITS**

Exhibition  
Hall

16:30 – 17:30

**SPECIAL SEMINAR ON THE CLASSIFICATION OF ENDOMETRIOSIS**

Pasteur

**What is the problem with the current classification system and how can we pull various initiatives together to improve this?**

Chairs: Mauricio Abrao (BR) & Alain Audebert (FR)

**16:30 • Introduction to the classification of endometriosis.**

**What is right and what is wrong with the current system?**

Charles Miller (US)

**16:35 • The AAGL 2011 Endometriosis classification**

Charles Miller (US)

**16:50 • Endometriosis Fertility Index (EFI):**

**The new, validated endometriosis staging system**

David Adamson (US)

**17:05 • The ENZIAN classification for deep infiltrating endometriosis**

Hans Rudolf Tinneberg (DE)

**17:20 • Discussion and summary**

17:30 – 18:30 **OLYMPUS SYMPOSIUM**

**Pasteur**

**Cutting edge modalities and new trends in diagnosing endometriosis**

Chair: Mauricio Abrao (BR)

17:30 • **Narrow Band Imaging in laparoscopy**

Martin Farrugia (UK)

17:45 • **Discussion**

17:50 • **Utility of Narrow Band Imaging targeted biopsies in the conservative management of endometrial cancer and atypical hyperplasia**

Valeria Masciullo (IT)

18:05 • **Discussion**

18:10 • **Current strategies to diagnose and treat deep endometriosis**

Mauricio Abrao (BR)

18:25 • **Discussion**

19:30

**Faculté de Médecine**

**GUIDED VISIT of the FACULTY MUSEUM  
and CONGRESS DINNER**

Upon registration

07:00 – 08:00

## BREAKFAST POSTER SESSION P2

Exhibition  
Hall

Topics	Area	Board#
09. <b>Diagnosis</b>	CITADELLE	121 to 165
10. <b>Pain</b>	CITADELLE	166 to 185
11. <b>Quality of life/ sexuality</b>	CITADELLE	186 to 205
12. <b>Surgery</b>	CITADELLE	206 to 249

08:00 – 10:00

## SEMINAR #5 (SCIENTIFIC)

### Pain and pain mechanisms in women with endometriosis

Einstein

Chairs: Ian Fraser (AU) & Claude Mann (FR)

08:00 • Moderator's lecture: Karen Berkley (US)

08:20 • **S#5-1 Altered regional brain morphology in women with endometriosis and chronic pelvic pain**

S. As-Sanie <sup>1</sup>, R. Harris <sup>2</sup>, G. Neshewat <sup>1</sup>, A. Kairys <sup>2</sup>, D. Williams <sup>2</sup>, D. Clauw <sup>2</sup>, T. Schmidt-Wilcke <sup>2</sup>

<sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Anesthesiology, University Of Michigan, Ann Arbor, United States

08:35 • **S#5-2 Oxytocin Receptor (OTR) expression and its relationship with uterine contraction and adenomyosis-related pain**

X. Mao <sup>1</sup>, Y. Zheng <sup>1</sup>, Q. Ma <sup>2</sup>, S.-W. Guo <sup>1</sup>

<sup>1</sup>Institute of Obstetrics And Gynecology, Shanghai Ob/Gyn Hospital, <sup>2</sup>Department of Gynecology, Renji Hospital, Shanghai, China

08:50 • **S#5-3 Pain sensitive micro-RNAs in women with endometriosis**

N. Santanam <sup>1</sup>, C. Kocher <sup>1</sup>, C. Cook <sup>1</sup>, B. Dawley <sup>2</sup>

<sup>1</sup>Pharmacology, Physiology, & Toxicology, <sup>2</sup>Obstetrics & Gynecology, Joan C Edwards School Of Medicine, Marshall Univer, Huntington, United States

09:05 • **S#5-4 Evidence of neurotrophic events due to peritoneal endometriotic lesions**

M. L. Barcena De Arellano <sup>1</sup>, J. Arnold <sup>1</sup>, F. Vercellino <sup>1</sup>, V. Chiantera <sup>1</sup>, A. Schneider <sup>1</sup>, S. Mechsner <sup>1</sup>

<sup>1</sup>Endometriosis Research Centre, Charite Campus Benjamin Franklin, Berlin, Germany

09:20 • **S#5-5 Imbalance of sympathetic and sensory innervation in peritoneal endometriotic lesions**

J. Arnold <sup>1</sup>, M. L. Barcena de Arellano <sup>1</sup>, C. Rüster <sup>1</sup>, S. Mechsner <sup>1</sup>

<sup>1</sup>Department Of Gyneacology, Charite, Campus Benjamin Franklin, Berlin, Germany

09:35 • Discussion and summary

08:00 – 10:00

## SEMINAR #6 (CLINICAL)

### Quality of life and sexuality in women with endometriosis

Pasteur

Chairs: Lone Hummelshoj (UK) & Pierre Mares (FR)

08:00 • Moderator's lecture: **Andreas Ebert (DE)**

08:20 • **S#6-1 Persistent morbidity despite surgical treatment of endometriosis: results from an international patient questionnaire study**

A. A. De Graaff <sup>1</sup>, T. D'Hooghe <sup>2</sup>, G. Dunselman <sup>1</sup>, C. Dirksen <sup>3</sup>, L. Hummelshoj <sup>4</sup>, S. Simoens <sup>5</sup> and the WERF EndoCost Consortium

<sup>1</sup>Obstetrics and Gynaecology, GROW – School For Oncology And Developmental Biology, Maastricht University Medical Centre, Maastricht, Netherlands, <sup>2</sup>Leuven University Fertility Centre, University Hospitals Leuven, Leuven, Belgium,

<sup>3</sup>Clinical Epidemiology And Medical Technology Assessment, Maastricht University Medical Centre, Maastricht, Netherlands, <sup>4</sup>World Endometriosis Research Foundation, London, United Kingdom, <sup>5</sup>Research Centre For Pharmaceutical Care And Pharmaco-Economics, Katholieke Universiteit Leuven, Leuven, Belgium

08:35 • **S#6-2 Does health-related quality of life associated with pelvic pain due to endometriosis improve with laparoscopic surgery? A pilot study**

H. Dewart <sup>1</sup>, P. Dewart <sup>2</sup>, A. Doust <sup>1</sup>, H. Critchley <sup>1</sup>, A. Horne <sup>1</sup>

<sup>1</sup>MRC Centre For Reproductive Health, University Of Edinburgh, <sup>2</sup>Obstetrics and Gynaecology, NHS Lothian, Edinburgh, United Kingdom

08:50 • **S#6-3 Evaluation of sexual satisfaction in women with deep infiltrating endometriosis**

C. Ploger <sup>1</sup>, E. Schor <sup>1</sup>, T. Tripoli <sup>1</sup>, M. J. B. C. Girao <sup>1</sup>, L. C. Gusmão <sup>1</sup>, S. Holtzhacker <sup>1</sup>, H. Sato <sup>1</sup>

Gynecology, Federal University of Sao Paulo, Sao Paulo, Brazil

09:05 • **S#6-4 Sexual functioning after endometriosis surgery including colorectal resection**

M. Setälä <sup>1</sup>, P. Härkki <sup>2</sup>, J. Mäkinen <sup>3</sup>, J. Kössi <sup>4</sup>

<sup>1</sup>Obstetrics and Gynecology, Päijät-Häme Central Hospital, Lahti, <sup>2</sup>Obstetrics and Gynecology, Helsinki University Hospital, Helsinki, <sup>3</sup>Obstetrics and Gynecology, Turku University Hospital, Turku, <sup>4</sup>Surgery, Päijät-Häme Central Hospital, Lahti, Finland

09:20 • **S#6-5 Quality of sex life of women with deep infiltrating endometriosis: is there an improvement after laparoscopic treatment and subsequent combined oral contraceptive therapy?**

G. Montanari <sup>1</sup>, M. Mabrouk <sup>2</sup>, N. Di Donato <sup>1</sup>, S. del Forno <sup>1</sup>, E. Geraci <sup>1</sup>, G. Ferrini <sup>1</sup>, D. Raimondo <sup>1</sup>, G. Giovanardi <sup>1</sup>, S. Alvisi <sup>1</sup>, R. Seracchioli <sup>1</sup>

<sup>1</sup>Minimally Invasive Gynaecological Surgery Unit, S.Orsola Malpighi University Hospital, Bologna, Italy, <sup>2</sup>Department Of Obstetrics And Gynecology, Alexandria University, Alexandria, Egypt

09:35 • Discussion and summary

10:00 – 10:30

## COFFEE/TEA - POSTER VIEWING – EXHIBITS

Exhibition  
Hall

10:30 – 11:00

## KEYNOTE LECTURE #3

### Impact and predictability of endometriosis

Pasteur

Krina Zondervan (UK)

Chairs: Hans Evers (NL) & Bruno Borghese (FR)

11:00 – 11:30

Pasteur

**KEYNOTE LECTURE #4**

**Micro-RNA regulated pathways in endometriosis**

**Maria Ohlsson-Teague (AU)**

Chairs: Hans Evers (NL) & Bruno Borghese (FR)

11:30 – 13:00

Pasteur

**IPSEN SYMPOSIUM**

**Endometriosis: state of the art in 2011**

Chairs: Dong Zhi Yang (CN) & Charles Chapron (FR)

11:40 • **Endometriosis related to infertility: modern management**

Aleksandr Popov (RU)

12:00 • **Endometriosis and pelvic pain: pathogenesis and treatment**

Vincent Anaf (BE)

12:20 • **Endometriosis and recurrences: prevention and treatment**

Philippe Descamps (FR)

12:40 • **Conclusion/discussion**

13:00 – 14:00

Exhibition  
Hall

**LUNCH TIME - POSTER VIEWING – EXHIBITS**

14:00 – 16:00

Einstein

**SEMINAR #7 (SCIENTIFIC)**

**Endometriosis and pregnancy**

Chairs: Hugh Taylor (USA) & Philippe Merviel (FR)

14:00 • **Moderator's lecture: Jan Brosens (UK)**

14:20 • **S#7-1 Endometriosis and post-operative infertility, a prospective study (Auvergne cohort of endometriosis)**

N. Bourdel <sup>1</sup>, D. Lydie <sup>1</sup>, H. Roman <sup>2</sup>, A.-S. Azuar <sup>1</sup>, E. Lagrange <sup>1</sup>, P. Jaffeux <sup>3</sup>, G. Mage <sup>1</sup>, J. L. Pouly <sup>4</sup>, M. Canis <sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, University Hospital Estaing, Clermont-Ferrand, <sup>2</sup>Obstetrics and Gynecology, Rouen University Hospital, Rouen, <sup>3</sup>Department of Medical Information, <sup>4</sup>University Hospital Estaing, Clermont-Ferrand, France

14:35 • **S#7-2 Resistance to progesterone occurs naturally in the endometrial zona basalis, but pathologically in endometriosis: a molecular study involving Coup-TFII and FKBP52**

B. A. Lessey <sup>1</sup>, S. L. Young <sup>2</sup>, J.-W. Jeong <sup>3</sup>, F. J. DeMayo <sup>4</sup>, N. Joshi <sup>3</sup>, A. T. Fazleabas <sup>3</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, Greenville Hospital System University Medical Group, Greenville, <sup>2</sup>Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology, University of North Carolina, Chapel Hill, <sup>3</sup>Department of Obstetrics and Gynecology and Reprod Biol, Michigan State University, Grand Rapids, <sup>4</sup>Department of Molecular and Cellular Biology, Baylor College of Medicine, Houston, United States

**14:50 • S#7-3 The role of progesterone receptors in cultured endometrial cells: simultaneous molecular and pharmacological analysis reveals evidences of in vitro reduced progesterone responsiveness in endometriosis**

P. D'Amora <sup>1</sup>, T. T. Maciel <sup>2</sup>, M. A. Mori <sup>3</sup>, J. P. F. D. O. Kleine <sup>1</sup>, M. B. Salzgeber <sup>1</sup>, J. B. Pesquero <sup>4</sup>, H. Sato <sup>1</sup>, M. J. B. C. Girão <sup>1</sup>, I. D. C. G. Silva <sup>1</sup>, E. Schor <sup>1</sup>

<sup>1</sup>Gynecology, Escola Paulista De Medicina, São Paulo, Brazil, <sup>2</sup>Immunopathologie Rénale, Récepteurs Et Inflammation., Faculté De Médecine - Université Denis Diderot Paris VII, Paris, France, <sup>3</sup>Section On Integrative Physiology And Metabolism, Joslin Diabetes Center, Harvard Medical School, Boston, United States, <sup>4</sup>Biophysics, Escola Paulista De Medicina, São Paulo, Brazil

**15:05 • S#7-4 Long-term surgical and fertility outcomes after segmental colorectal resection in women with severe endometriosis**

L. van der Houwen <sup>1</sup>, A. Lühinger <sup>1</sup>, M. Busard <sup>2</sup>, V. Mijatovic <sup>1</sup>, M. Cuesta <sup>3</sup>, J. van Waesberghe <sup>2</sup>, P. Hompes <sup>1</sup>

<sup>1</sup>reproductive Medicine, <sup>2</sup>radiology, <sup>3</sup>gastrointestinal Surgery, Vu Medical Centre, Amsterdam, Netherlands

**15:20 • S#7-5 Development of a comparative species microarray for rapid translation of endometriosis data from animal models to women**

K. L. Sharpe-Timms <sup>1, 2</sup>, R. Marshall <sup>1, 2</sup>

<sup>1</sup>Obstetrics, Gynecology and Women's Health, <sup>2</sup>Comparative Medicine, Veterinary Pathobiology, The University Of Missouri - Columbia, Columbia, United States

**15:35 • Discussion and summary**

14:00 – 16:00

Pasteur

**SEMINAR #8 (CLINICAL)**  
**Early diagnosis and screening**

Chairs: Stacey Missmer (USA) & Benoit Gallix (FR)

**14:00 Moderator's lecture: Fabio Parazzini (IT)**

**14:20 • S#8-1 Endometriosis associated symptoms in young women (Nukuva)**

P. Suvitie <sup>1</sup>, M. Hallamaa <sup>1</sup>, J. Mäkinen <sup>1</sup>, A. Perheentupa <sup>1</sup>

<sup>1</sup>Ob/Gyn Dept, Turku University Hospital, Turku, Finland

**14:35 • S#8-2 Endometriosis patients' clinical and epidemiological profiles in the United States and Puerto Rico**

J. Fourquet <sup>1</sup>, N. Sinaii <sup>2</sup>, F. Khlayel <sup>2</sup>, C. Alvarez-Garriga <sup>3</sup>, M. Bayona <sup>3</sup>, M. L. Ballweg <sup>4</sup>, P. Stratton <sup>5</sup>, I. Flores <sup>1</sup>

<sup>1</sup>Microbiology, Ponce School of Medicine and Health Sciences, Ponce, Puerto Rico, <sup>2</sup>Biostatistics & Clinical Epidemiology Service, National Institutes of Health Clinical Center, Bethesda, United States, <sup>3</sup>Public Health, Ponce School of Medicine And Health Sciences, Ponce, Puerto Rico, <sup>4</sup>Endometriosis Association, Milwaukee, United States, <sup>5</sup>Program In Reproductive And Adult Endocrinology, National Institute Of Child Health, Bethesda, United States

**14:50 • S#8-3 Panel of plasma biomarkers can predict endometriosis with high sensitivity in patients with ultrasound negative endometriosis**

A. Vodolazkaia <sup>1, 2</sup>, Y. El-Aalamat <sup>3</sup>, D. Popovic <sup>3</sup>, C. Kyama <sup>4</sup>, A. Fassbender <sup>1, 2</sup>, A. Bokor <sup>5</sup>, C. Meuleman <sup>1</sup>, K. Peeraer <sup>1</sup>, C. Tomassetti <sup>1</sup>, T. D'Hooghe <sup>1, 4</sup>, B. De Moor

Department of Electrical Engineering Esat-Scd Ibbt-Kuleuven Future Health Department Leuven Belgium; Huskens Dana Rega Institute For Medical Research Kuleuven Belgium; Schols Dominique Rega Institute For Medical Research

<sup>1</sup>Leuven University Fertility Centre, Uzleuven, <sup>2</sup>Experimental Gynaecology Laboratory, Department of Obstetrics And Gynaecology, <sup>3</sup>Department of Electrical Engineering Esat-Scd Ibbt-Kuleuven Future Health Department, Kuleuven, Leuven, Belgium, <sup>4</sup>Division of Reproductive Biology, Institute Of Primate Research, Nairobi, Kenya, <sup>5</sup>Department of Obstetrics And Gynaecology, Semmelweis University of Medicine, Budapest, Hungary

**15:05 • S#8-4 Are physical findings predictive of the severity of endometriosis?**

P. S. Patel <sup>1</sup>, E. J. C. Dunkley <sup>1</sup>, A. Lam <sup>1, 2</sup>

<sup>1</sup>Centre For Advanced Reproductive Endosurgery, <sup>2</sup>University Of Sydney, Sydney, Australia

**15:20 • S#8-5 Types of symptoms and reasons for first medical visit leading to endometriosis diagnosis in a defined US health plan population.**

K. Upson <sup>1</sup>, V. L. Holt <sup>1</sup>, D. Scholes <sup>1, 2</sup>

<sup>1</sup>Department Of Epidemiology, University Of Washington, <sup>2</sup>Group Health Cooperative, Seattle, Wa, United States

**15:35 • Discussion and summary**

16:00 – 16:30

**COFFEE/TEA - POSTER VIEWING – EXHIBITS**

Exhibition  
Hall

16:30 – 17:30

**DEBATE**

**Endometriomas and infertility**

Pasteur

Chairs: Luk Rombauts (AU) & Jean-Louis Benifla (FR)

16:30

• **Surgery**

Michel Canis (FR)

16:45

• **Discussion**

16:50

• **No surgery**

Juan Antonio Garcia-Velasco (ES)

16:05

• **Discussion**

16:10

• **Rebuttal and vote**

17:30 – 18:30

**WES GENERAL ASSEMBLY**

Pasteur

18:30

**FREE EVENING**

07:00 – 08:00

### BREAKFAST POSTER SESSION P3

Exhibition  
Hall

Topics	Area	Board#
13. <b>Epidemiology</b>	REGISTERED	250 to 255
14. <b>Infertility</b>	REGISTERED	256 to 277
15. <b>Medical treatment</b>	BERLIOZ	278 to 315
16. <b>-omics</b>	REGISTERED	316 to 319
17. <b>Pathophysiology / Aetiology</b>	REGISTERED	320 to 376

08:00 – 10:00

### SEMINAR #9 (SCIENTIFIC)

#### The -omics: new approaches to an old problem

Einstein

Chairs: Ali Akoum (CA) & Samir Hamamah (FR)

08:00 • **Moderator's lecture: Louise Hull (AU)**

08:20 • **S#9-1 Human metabolome associated with endometriosis as revealed by quantitative targeted metabolomics**

K. Huhtinen <sup>1, 2</sup>, A. Vehmas <sup>3</sup>, G. Kastenmüller <sup>4</sup>, C. Prehn <sup>5</sup>, G. Corthals <sup>3</sup>, A. Perheentupa <sup>1, 2</sup>, J. Adamski <sup>5</sup>, M. Poutanen <sup>1, 6</sup>

<sup>1</sup>Department Of Physiology, University of Turku, <sup>2</sup>Department Of Obstetrics And Gynecology, Turku University Hospital,

<sup>3</sup>Turku Center For Biotechnology, Turku, Finland, <sup>4</sup>Institute of Bioinformatics and Systems Biology,

<sup>5</sup>Institute Of Experimental Genetics, Genome Analysis Center, Helmholtz Zentrum München, München, Germany,

<sup>6</sup>Turku Center For Disease Modeling, University of Turku, Turku, Finland

08:35 • **S#9-2 Reverse engineering the immunological network in endometriosis**

M. T. Beste <sup>1</sup>, N. Doyle <sup>1</sup>, D. A. Lauffenburger <sup>2</sup>, K. B. Isaacson <sup>3</sup>, L. G. Griffith <sup>1</sup>

<sup>1</sup>Biological Engineering, <sup>2</sup>Massachusetts Institute of Technology, Cambridge, <sup>3</sup>Center For Minimally Invasive Gynecologic Surgery, Newton Wellesley Hospital, Newton, United States

08:50 • **S#9-3 Novel proteomic insights into the role of oxidative stress in the pathogenesis and function of endometriosis**

C. H. M. Ng <sup>1</sup>, A. J. Hey-Cunningham <sup>1</sup>, M. Berbic <sup>1</sup>, B. Crossett <sup>2</sup>, G. M. Luscombe <sup>1</sup>, R. Markham <sup>1</sup>, I. S. Fraser <sup>1</sup>

<sup>1</sup>Obstetrics, Gynaecology And Neonatology, <sup>2</sup>School Of Molecular Biosciences, The University of Sydney, Sydney, Australia

09:05 • **S#9-4 Combined MRNA microarray and proteomic analysis of eutopic endometrium of women with and without endometriosis**

A. Fassbender <sup>1</sup>, N. Verbeeck <sup>1</sup> on behalf of B. De Moor, D. Nitsch <sup>1</sup> on behalf of Y. Moreau, C. M. Kyama <sup>1</sup>, A. Bokor <sup>1</sup>, A. Vodolazkaia <sup>1</sup>, C. Meuleman <sup>2</sup>, F. Ojeda <sup>1</sup>, E. Waelkens <sup>1</sup>, T. D'Hooghe <sup>2</sup>

<sup>1</sup>KU Leuven, <sup>2</sup>LUFC, Leuven, Belgium

09:20 • **S#9-5 Analysis of lipid profile fingerprint in the endocervical epithelium of women with severe endometriosis. a possible, non-invasive, tool for the diagnosis of endometriosis**

A. Kopelman <sup>1</sup>, T. C. S. Bonetti <sup>1</sup>, P. D'amora <sup>1</sup>, E. G. Lo Turco <sup>2</sup>, R. Bertolla <sup>2</sup>, F. Gozzo <sup>3</sup>, H. Sato <sup>1</sup>, E. Schor <sup>1</sup>, I. D. C. G. Silva <sup>1</sup>, M. J. B. C. Girao <sup>1</sup>

<sup>1</sup>Gynecology, <sup>2</sup>Surgery, Universidade Federal De Sao Paulo, Sao Paulo, <sup>3</sup>Institute of Chemistry, Universidade De Campinas, Campinas, Brazil

09:35 • **Discussion and summary**

08:00 – 10:00

Pasteur

**SEMINAR #10 (CLINICAL)**  
**Infertility and endometriosis**

Chairs: David Healy (AU) & Mette Moen (NO)

08:00 • **Moderator's lecture: Aydin Arici (USA)**

08:20 • **S#10-1 Endometriosis and implantation in recipients of sibling oocytes**

M. Goudakou <sup>1</sup>, Y. Prapas <sup>1</sup>, I. Metalliotakis <sup>2</sup>, A. Kalogeraki <sup>2</sup>, N. Prapas <sup>1</sup>

<sup>1</sup>IVF Reproduction Unit, Lakentro Advanced Medical Center, Thessaloniki, <sup>2</sup>Obstetrics and Gynecology, University of Crete, School of Medicine, Heraklion, Crete, Greece

08:35 • **S#10-2 Is the endometriosis fertility index a good tool to predict pregnancy in patients with surgical documented endometriosis followed by ART management?**

A. Yacoub <sup>1</sup>, C. Ferdinus <sup>2</sup>, P. Mourtialon <sup>1</sup>, S. Girod <sup>1</sup>, M.-N. Huot <sup>1</sup>, S. Douvier <sup>1</sup>, P. Sagot <sup>1</sup>

<sup>1</sup>Gynecology, Teaching Hospital, <sup>2</sup>Epidemiology of Population Center, Teaching Hospital, Dijon, France

08:50 • **S#10-3 Comparison of follicular density and tissue histology of ovarian cortex from ovaries with and without endometriomas**

M. Kitajima <sup>1, 2</sup>, S. Defrère <sup>1</sup>, S. Colette <sup>1</sup>, M.-M. Dolmans <sup>1</sup>, J. Squifflet <sup>1</sup>, H. Masuzaki <sup>2</sup>, A. Van Langendonck <sup>1</sup>, J. Donnez <sup>1</sup>

<sup>1</sup>Department of Gynecology, Institut De Recherche Expérimentale Et Clinique, Université Catholique De Louvain, Brussels, Belgium, <sup>2</sup>Department of Obstetrics And Gynecology, Nagasaki University School of Medicine, Nagasaki, Japan

09:05 • **S#10-4 Spontaneous pregnancy loss in endometriosis: When is the process initiated and what causes it?**

K. L. Sharpe-Timms <sup>1</sup>, J. A. Birt <sup>1, 2</sup>, J. A. Stilley <sup>1, 2</sup>, M. Sabharwal <sup>1</sup>

<sup>1</sup>Obstetrics, Gynecology and Women's Health, <sup>2</sup>Animal Science, The University of Missouri - Columbia, Columbia, United States

09:20 • **S#10-5 The IVF-lube trial: lipiodol uterine bathing effect for enhancing the results of in vitro fertilisation, a pilot randomised trial.**

S. J. Reilly <sup>1, 2</sup>, A. W. Stewart <sup>3</sup>, L. R. Prentice <sup>1</sup>, N. P. Johnson <sup>1, 2, 3</sup>

<sup>1</sup>Fertility Plus Clinic, Auckland District Health Board, Auckland, <sup>2</sup>Repromed Auckland, Auckland, <sup>3</sup>University of Auckland, Auckland, New Zealand

09:35 • **Discussion and summary**

10:00 – 10:30

Exhibition  
Hall

**COFFEE/TEA - POSTER VIEWING – EXHIBITS**

10:30 – 11:30

Joffre 1

**FREE COMMUNICATIONS FC#1**

**Epidemiology**

Chairs: Ioannis Metalliotakis (GR) & Patrick Madelenat (FR)

10:30 • **FC#1-1 The relation between endometriosis and obesity: results from the nurses health study ii**

D. K. Shah <sup>1</sup>, K. F. Berry <sup>1</sup>, S. A. Missmer <sup>1, 2, 3</sup>

<sup>1</sup>Department of Obstetrics, Gynecology, and Reproductive Biology, Brigham and Women's Hospital, <sup>2</sup>Channing Laboratory, Department of Medicine, Brigham and Women's Hospital and Harvard Medical School, <sup>3</sup>Department of Epidemiology, Harvard School of Public Health, Boston, United States

10:40 • **FC#1-2 Intrauterine and infant exposures and endometriosis risk**

K. Upson <sup>1</sup>, V. L. Holt <sup>1</sup>, D. Scholes <sup>1, 2</sup>

<sup>1</sup>Department of Epidemiology, University of Washington, <sup>2</sup>Group Health Cooperative, Seattle, United States

**10:50 • FC#1-3 Predictive factors of intestinal deep endometriosis among the women with endometriosis**

L. Campin <sup>1</sup>, M.-C. Lafay-Pillet <sup>1</sup>, B. Borghese <sup>1</sup>, B. Dousset <sup>1</sup>, M. Leconte <sup>1</sup>, P. Santulli <sup>1</sup>, D. De Ziegler <sup>1</sup>, C. Chapron <sup>1</sup>

<sup>1</sup>Université Paris Descartes, CHU Cochin, Paris, France

**11:00 • FC#1-4 Endogenous steroid hormone concentrations and risk of endometriosis in the nurses' health study ii**

F. Mu <sup>1</sup>, S. Missmer <sup>1, 2, 3</sup>

<sup>1</sup>Department of Epidemiology, Harvard School of Public Health, <sup>2</sup>Channing Laboratory, <sup>3</sup>Department of Obstetrics, Gynecology, and Reproductive Biology, Brigham and Women's Hospital and Harvard Medical School, Boston, United States

**11:10 • FC#1-5 Anthropometric features and the risk of endometriosis in the E3N cohort**

M. Kvaskoff <sup>1</sup>, A. Bijon <sup>1</sup>, F. Clavel-Chapelon <sup>1</sup>, M.-C. Boutron-Ruault <sup>1</sup>, S. Mesrine <sup>1</sup>

<sup>1</sup>"Nutrition, Hormones and Women's Health" Team, Inserm U1018, Centre for Research in Epidemiology and Population Health (CESP), Gustave Roussy Institute, Villejuif, France

**11:20 • Discussion and summary**

10:30 – 11:30

**FREE COMMUNICATIONS FC#2**

Einstein

**Pain**

Chairs: Pamela Stratton (US) & Paul Sagot (FR)

**10:30 • FC#2-1 Ovarian endometrioma: severe pelvic pain is associated with deeply infiltrating endometriosis**

P. Santulli<sup>1, 2, 3</sup>, B. Borghese <sup>1, 2, 3</sup>, D. de Ziegler <sup>1</sup>, J. C. Noel <sup>4</sup>, V. Anaf <sup>5</sup>, C. Souza <sup>1</sup>, M. C. Lafay-Pillet <sup>1</sup>, C. Chapron <sup>1, 2, 3</sup>

<sup>1</sup>Department of Gynecology Obstetrics Ii And Reproductive Medicine, Université Paris Descartes, Ap- Hp, Centre Hospitalier Universitaire Cochin Saint Vincent De Paul, <sup>2</sup>CNRS (Umr 8104), Institut Cochin, Université Paris Descartes, <sup>3</sup>Unité De Recherche U1016, Inserm, Paris, France, <sup>4</sup>Department of Gynecopathology, <sup>5</sup>Department of Gynecology, Academic Hospital Erasme, Université Libre De Bruxelles, Bruxelles, Belgium

**10:40 • FC#2-2 Low level of serum eicosapentaenoic acid in endometriosis patients with severe pain**

S. Netsu <sup>1</sup>, K. Odagiri <sup>2</sup>, H. Fujiwara <sup>3</sup>, J. Mitsushita <sup>1</sup>, M. Sakata <sup>1</sup>, R. Konno <sup>1</sup>

<sup>1</sup>Obstetrics and Gynaecology, Jichi Medical University, Saitama Medical Center, Saitama, <sup>2</sup>Obstetrics and Gyneacology, Naze Tokushukai Hospital, Kagoshima, <sup>3</sup>Obstetrics and Gyneacology, Jichi Medical University, Tochigi, Japan

**10:50 • FC#2-3 Focal peritoneal dysfunction and endometriosis: a new theory for pelvic pain**

B. A. Lessey <sup>1</sup>, G. A. Bushnell <sup>2</sup>, S. E. Miller <sup>3</sup>, T. A. Price <sup>4</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Division of Reproductive Endocrinology, University Medical Group Greenville Hospital System, Greenville, <sup>2</sup>Clemson University, Clemson, <sup>3</sup>Department of Pathology, Duke University Health System, <sup>4</sup>Department of Obstetrics and Gynecology, Division of Reproductive Endocrinology and Infertility, Duke University, Durham, United States

**11:00 • FC#2-4 Correlation between electrophysiological pain parameters and peritoneal fluid inflammatory cytokine concentrations in endometriosis patients with chronic pelvic pain**

A. Y. Nezir <sup>1</sup>, N. A. Bersinger <sup>2</sup>, L. Arendt-Nielsen <sup>3</sup>, O. K. Andersen <sup>3</sup>, M. D. Mueller <sup>2</sup>, M. Curatolo <sup>1</sup>

<sup>1</sup>Anaesthesiology and Pain Therapy, <sup>2</sup>Obstetrics and Gynaecology, University of Berne, Berne, Switzerland, <sup>3</sup>Centre for Sensory-Motor Interaction, University Department of Health Science And Technology, Aalborg, Denmark

**11:10 • FC#2-5 Perception of pelvic pain in women with endometriosis: a focus group study**

M. Fuldeore <sup>1</sup>, S. Hass <sup>1</sup>, K. Chwalisz <sup>1</sup>, K. Gano <sup>2</sup>, C. O'Brien <sup>2</sup>

<sup>1</sup>Abbott Laboratories, Abbott Park, <sup>2</sup>Neurocrine Biosciences, San Diego, United States

**11:20 • Discussion and summary**

10:30 – 11:30

Joffre A

**FREE COMMUNICATIONS FC#3**

**Genetics and -omics**

Chairs: Krina Zondervan (UK) & Lionel Reyftmann (FR)

**10:30 • FC#3-1 Identification of genetic variants associated with endometriosis using a pooling-based genome-wide association study**

B. Borghese<sup>1, 2, 3</sup>, J. Tost<sup>4</sup>, M. de Surville<sup>4</sup>, F. Busato<sup>4</sup>, F. Letourneur<sup>2, 3</sup>, F. Mondon<sup>2, 3</sup>, D. Vaiman<sup>2, 3</sup>, C. Chapron<sup>1, 2, 3</sup>

<sup>1</sup>Service De Gynécologie Obstétrique<sup>2</sup> Et Médecine De La Reproduction, Groupe Hospitalier Cochin - Saint-Vincent De Paul, Ap-Hp, Université Paris Descartes, <sup>2</sup>Institut Cochin, Université Paris Descartes, Cnrs (Umr 8104), <sup>3</sup>Inserm, U1016, Paris, <sup>4</sup>Laboratory For Epigenetics, Cea – Institut De Génomique, Centre National De Génotypage, Evry, France

**10:40 • FC#3-2 Identification of a novel endometrial gene associated with menstruation, endometriosis and adenomyosis**

T. Maruyama<sup>1</sup>, T. Kajitani<sup>1</sup>, H. Oda<sup>1</sup>, K. Miyazaki<sup>1</sup>, S. Uchida<sup>1</sup>, A. Yamasaki<sup>1</sup>, H. Asada<sup>1</sup>, H. Uchida<sup>1</sup>, Y. Yoshimura<sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, Keio University School of Medicine, Tokyo, Japan

**10:50 • FC#3-3 Influence of peritoneal fluid on micrnas related to angiogenesis and angiogenic and proteolytic factors expression in primary cell culture of endometrial cells from patients with endometriosis**

A. Braza-Boïls<sup>1</sup>, J. Gilabert-Estellés<sup>2</sup>, L. A. Ramón<sup>1</sup>, J. Gilabert<sup>3</sup>, M. Chirivella<sup>4</sup>, F. España<sup>1</sup>, A. Estellés<sup>1</sup>

<sup>1</sup>Research Center, <sup>2</sup>Gynecology Department, University and Polytechnic Hospital La Fe, <sup>3</sup>Gynecology Department, Arnau De Vilanova Hospital, <sup>4</sup>Anatomopathology Department, University and Polytechnic Hospital La Fe, Valencia, Spain

**11:00 • FC#3-4 Use of proteinchip technology to identify urine biomarkers in patients with and without endometriosis: a preliminary study**

H. Liu<sup>1</sup>, L. Wang<sup>1</sup>, M. Liao<sup>2</sup>

<sup>1</sup>Obstet Gynecol, Peking Union Medical College, <sup>2</sup>Obstet Gynecol, Peking Union Medical College Hospital, Beijing, China

**11:10 • FC#3-5 The complementary genomic and proteomic analysis of late secretory phase eutopic endometrium in women with and without endometriosis**

C. H. M. Ng<sup>1</sup>, H. Barrera Villa Zevallos<sup>1</sup>, A. J. Hey-Cunningham<sup>1</sup>, M. Berbic<sup>1</sup>, B. Crossett<sup>2</sup>, G. M. Luscombe<sup>1</sup>, R. Markham<sup>1</sup>, I. S. Fraser<sup>1</sup>

<sup>1</sup>Obstetrics, Gynaecology and Neonatology, <sup>2</sup>School of Molecular Biosciences, The University of Sydney, Sydney, Australia

**11:20 • Discussion and summary**

10:30 – 11:30

Pasteur

**FREE COMMUNICATIONS FC#4**

**Medical treatment**

Chairs: Naoki Terakawa (JP) & Dominique De Ziegler (FR)

**10:30 • FC#4-1 Past oral contraception indicated for treating severe primary dysmenorrhea is associated with endometriosis especially deep infiltrating endometriosis.**

C. Chapron<sup>1</sup>, C. Souza<sup>1</sup>, B. Borghese<sup>1</sup>, M.-C. Lafay-Pillet<sup>1</sup>, P. Santulli<sup>1</sup>, F. Goffinet<sup>1</sup>, I. Steuli<sup>1</sup>

<sup>1</sup>CHU Cochin, Paris, France

**10:40 • FC#4-2 Elagolix, a novel oral GNRH antagonist, significantly reduced endometriosis-associated pelvic pain: results for the placebo-controlled, double-blind period of a randomized phase 2 study**

B. Carr<sup>1</sup>, K. Chwalisz<sup>2</sup>, R. Jimenez<sup>3</sup>, J. Burke<sup>3</sup>, P. Jiang<sup>2</sup>, C. O'Brien<sup>3</sup>

<sup>1</sup>University of Texas Southwestern Medical Center, Dallas, <sup>2</sup>Abbott, Abbott Park, <sup>3</sup>Neurocrine Biosciences, San Diego, United States

- 10:50 • FC#4-3** Curcumin supplementation improves abnormal folliculogenesis, oocyte maturation and embryo quality in experimental endometriosis in mice  
H. Hendarto <sup>1</sup>, J. Y. Anas <sup>1</sup>, R. Dwiningsih <sup>1</sup>, R. Widjiati <sup>2</sup>  
<sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Laboratory of In Vitro Fertilization Faculty of Veterinary University of Airlangga, Surabaya, Indonesia
- 11:00 • FC#4-4** Analysis of cytokines in the peritoneal fluid of endometriosis patients after downregulation treatment with GNRH analogue  
P. Kostov <sup>1</sup>, N. A. Bersinger <sup>1</sup>, M. D. Mueller <sup>1</sup>  
<sup>1</sup>Obstetrics and Gynaecology, University of Berne, Berne, Switzerland
- 11:10 • FC#4-5** New natural therapies assessment for the treatment of endometriosis  
A. G. Ricci <sup>1</sup>, C. N. Olivares <sup>1</sup>, M. A. Bilotas <sup>1</sup>, G. F. Meresman <sup>1</sup>, R. I. Barañao <sup>1</sup>  
<sup>1</sup>Instituto De Biología Y Medicina Experimental, Ciudad Autónoma De Buenos Aires, Argentina
- 11:20 • Discussion and summary**

11:30 – 13:00

Pasteur

## SYMPOSIUM BAYER HEALTHCARE

**Endometriosis: sharing perspectives to improve patient management strategies**

Chairs: Lone Hummelshoj (UK) & Neil Johnson (NZ)

### Unmet needs in endometriosis: what are the key issues today ...

- 11:30 • ... from the clinical perspective?**  
Edgardo Somigliana (IT)
- 11:45 • ... from the clinical/epidemiological perspective?**  
Aisha de Graaff (NL)
- 12:00 • ... from the patient perspective?**  
Hanne Vedsted Hansen (DK)
- New perspectives to improve patient management strategies**
- 12:15 • Considering the patient pathway**  
Lisbet Coulton (UK)
- 12:30 • Panel discussion:**  
**What more can we do to effectively integrate the patient perspective into clinical management strategies for endometriosis?**

13:00 – 14:00

Exhibition  
Hall

**LUNCH TIME- POSTER VIEWING – EXHIBITS**

14:00 – 15:30

Joffre B

**FREE COMMUNICATIONS FC#5**  
**Pathophysiology and aetiology**

Chairs: Ronald Batt (US) & Bernard Hédon (FR)

**14:00 • FC#5-1 The micro-RNA MIR-145 inhibits endometriotic cell proliferation and invasiveness by targeting JAM-A, fascin, and the pluripotency factors OCT4, SOX2, and KLF4**

M. Götte<sup>1</sup>, M. Adammek<sup>1</sup>, N. Kässens<sup>1</sup>, A. Starzinski-Powitz<sup>2</sup>, L. Kiesel<sup>1</sup>  
<sup>1</sup>Gynecology and Obstetrics, Muenster University Hospital, Muenster, <sup>2</sup>Biology, University of Frankfurt, Frankfurt, Germany

**14:10 • FC#5-2 Hypothalamic-pituitary-adrenal responses in women with chronic pelvic pain associated with endometriosis**

J. A. L. Gemmill<sup>1</sup>, N. Sinaii<sup>2</sup>, I. Khachikyan<sup>1</sup>, E. Japp<sup>1</sup>, G. Chrousos<sup>1</sup>, J. Segars<sup>1</sup>, P. Stratton<sup>1</sup>  
<sup>1</sup>Program in Reproductive and Adult Endocrinology, Nidhd/Nih, <sup>2</sup>Biostatistics and Clinical Epidemiology Service, CC/NIH, Bethesda, United States

**14:20 • FC#5-3 Suppression of endometriosis-like lesion development in a TGFB1-/- SCID mouse model of endometriosis**

M. Z. Johan<sup>1</sup>, W. V. Ingman<sup>1</sup>, S. A. Robertson<sup>1</sup>, M. L. Hull<sup>1</sup>  
<sup>1</sup>Research Centre for Reproductive Health, The Robinson Institute, The University of Adelaide, Adelaide, Australia

**14:30 • FC#5-4 Massive ectopic endometrial necrosis occurs before development of induced endometriosis in baboons**

C. M. Kyama<sup>1, 2, 3</sup>, H. Falconer<sup>4</sup>, S. Cuneo<sup>1</sup>, D. Chai<sup>1</sup>, P. Moerman<sup>5</sup>, J. M. Mwenda<sup>1</sup>, T. M. D'Hooghe<sup>1, 3</sup>  
<sup>1</sup>Department of Reproductive Health & Biology, Insitute of Primate Research, Karen-Nairobi, Kenya, <sup>2</sup>Experimental Gynaecology Laboratory, Department of Obstetrics & Gynaecology, University Hospital Gasthuisberg, Leuven, <sup>3</sup>Leuven University Fertility Center, Department of Obstetrics & Gynaecology, University Hospital Gasthuisberg, Leuven, Belgium, <sup>4</sup>Division for Obstetrics and Gynaecology, Department of Woman and Child Health, Karolinska Institute, Stockholm, Sweden, <sup>5</sup>Department of Pathology, University Hospital Gasthuisberg Leuven, Belgium

**14:40 • FC#5-5 Depletion of neutrophils inhibited the development of endometriotic lesions in a murine endometriosis model**

M. Takamura<sup>1</sup>, Y. Osuga<sup>1</sup>, Y. Urata<sup>1</sup>, G. Izumi<sup>1</sup>, M. Harada<sup>1</sup>, T. Hirata<sup>1</sup>, Y. Hirota<sup>1</sup>, O. oshino<sup>1</sup>, K. Koga<sup>1</sup>, Y. Taketani<sup>1</sup>  
<sup>1</sup>Obstetrics & Gynecology, University of Tokyo, Tokyo, Japan

**14:50 • FC#5-6 Paired-box gene 2 downregulation in endometriosis correlates with low epidermal growth factor receptor level**

A. A. de Graaff<sup>1</sup>, B. Delvoux<sup>1</sup>, T. D'Hooghe<sup>2</sup>, C. Kyama<sup>2</sup>, G. Dunselman<sup>1</sup>, A. Romano<sup>1</sup>  
<sup>1</sup>Obstetrics and Gynaecology, Grow- School for Oncology and Developmental Biology, Maastricht University Medical Centre, Maastricht, Netherlands, <sup>2</sup>Leuven University Fertility Centre, University Hospital Gasthuisberg Leuven, Leuven, Belgium

**15:00 • FC#5-7 Functional relevance of somatostatin receptors in endometriotic lesions**

A. Fasciani<sup>1</sup>, P. Quilici<sup>2</sup>, A. Fioravanti<sup>3</sup>, I. Magnoni<sup>3</sup>, J. Oliviero<sup>2</sup>, F. Repetti<sup>1</sup>, G. Bocci<sup>3</sup>  
<sup>1</sup>Genetic, Perinatal and Gynecological Sciences, Div. Gynecology - Galliera Hospital, <sup>2</sup>Division of Pathology, Galliera Hospital, Genoa, <sup>3</sup>Division of Pharmacology and Chemotherapy, University of Pisa, Pisa, Italy

**15:10 • FC#5-8 Hypermethylation of the CPG island span from exon ii to third intron activates steroidogenic factor-1 in the stromal cells of endometriosis**

Q. Xue<sup>1</sup>, Q. P. Liao<sup>1</sup>, Y. F. Zhou<sup>1</sup>, Y. Xu<sup>1</sup>, S. E. Bulun<sup>2</sup>  
<sup>1</sup>Ob/Gyn, First Hospital of Peking University, Beijing, China, <sup>2</sup>Ob/Gyn, Northwestern University, Chicago, United States

**15:20 • Discussion and summary**

14:00 – 15:30

Einstein

**FREE COMMUNICATIONS FC#6**  
**Communication and diagnosis**

Chairs: Kathy Sharpe-Timms (US) & Antoine Maubon (FR)

**14:00 • FC#6-1 Uterine junctional zone pathology: “the utero-spirotome” a new approach in diagnosis?**

S. Gordts <sup>1</sup>, R. Campo <sup>1</sup>, S. Gordts <sup>1</sup>, J.-P. Bogers <sup>2</sup>, J. Janssen <sup>3</sup>, P. Puttemans <sup>1</sup>

<sup>1</sup>L.I.F.E., Leuven, <sup>2</sup>AML, Antwerp, <sup>3</sup>Medinvents, Hasselt, Belgium

**14:10 • FC#6-2 Can we predict pouch of douglas obliteration in women with suspected endometriosis using a new real-time transvaginal ultrasound technique: the “sliding sign”?**

S. Reid <sup>1</sup>, S. Winder <sup>1</sup>, C. Lu <sup>1</sup>, G. Reid <sup>2</sup>, G. Condous <sup>1</sup>

<sup>1</sup>Acute Gynaecology, Early Pregnancy and Advanced Endosurgery Unit, University of Sydney, Nepean Hospital, <sup>2</sup>Sydney Women's Endosurgery Centre, Sydney, Australia

**14:20 • FC#6-3 The role of routine postoperative transvaginal ultrasound after bowel preparation, pelvic MRI and anti-müllerian hormone following extensive laparoscopic surgery for deep infiltrating endometriosis in infertile women**

L. P. Chamie <sup>1</sup>, R. M. Pereira <sup>2</sup>, D. M. F. Ribeiro <sup>3</sup>, R. Blasbalg <sup>4</sup>, E. L. Motta <sup>5</sup>, P. C. Serafini <sup>6</sup>

<sup>1</sup>Radiology, Fleury Medicina E Saude, <sup>2</sup>Surgery, Huntington Medicina Reprodutiva, <sup>3</sup>Surgery, Private Practice, <sup>4</sup>Radiology, Department Radiology University Sao Paulo, <sup>5</sup>Gynecology, Medical School Federal University Sao Paulo, <sup>6</sup>Gynecology, Reproductive Medicine, Medical School University Sao Paulo, Sao Paulo, Brazil

**14:30 • FC#6-4 Early intervention for endometriosis. The ‘Me’ programme - A New Zealand model**

D. Bush <sup>1</sup>, M. East<sup>1</sup>, S. Jones<sup>1</sup>, E. Havell<sup>1</sup>

<sup>1</sup>Endometriosis New Zealand, Christchurch, New Zealand

**14:40 • FC#6-5 Low negative laparoscopy rate through comprehensive menstrual and pelvic pain screening within a dedicated centre for endometriosis**

M. A. Parker <sup>1</sup>, A. Sneddon <sup>2</sup>, O. Adham <sup>1</sup>, D. Ellwood <sup>2</sup>

<sup>1</sup>Canberra Endometriosis Centre, The Canberra Hospital, Act Health, <sup>2</sup>Anu Medical School, Australian National University, Canberra, Australia

**14:50 • FC#6-6 Dutch endometriosis patients prefer information above sympathy from the Dutch endometriosis foundation**

B. D. De Bie Rocks <sup>1</sup>, A. Nap <sup>2</sup>, J. V. Dijk <sup>1</sup>

<sup>1</sup>Endometriose Stichting, Sittard, <sup>2</sup>Ziekenhuis Rijnstate, Arnhem, Netherlands

**15:00 • FC#6-7 The international Endocare Questionnaire (ECQ) study evaluating the Patient-Centeredness of Specialist Endometriosis Care (PCEC) in Europe**

E. A. F. Dancet <sup>1</sup>, L. Ameye <sup>1</sup>, W. Sermeus <sup>1</sup>, M. Welkenhuysen <sup>1</sup>, K. Zondervan <sup>2</sup>, C. De Cicco <sup>3</sup>, D. Timmerman <sup>1</sup>, T. D'Hooghe <sup>1</sup>

<sup>1</sup>KULeuven, Leuven, Belgium, <sup>2</sup>University of Oxford, Oxford, United Kingdom, <sup>3</sup>Università Cattolica Del Sacro Cuore, Rome, Italy

**15:10 • FC#6-8 Endometriosis diagnosis: might the general practitioner replace the community gynaecologist? A survey of physicians practicing in a region of France**

A. Quibel <sup>1</sup>, H. Roman <sup>1</sup>, L. Marpeau <sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, Rouen University Hospital, Rouen, France

**15:20 • Discussion and summary**

14:00 – 15:30

Pasteur

**FREE COMMUNICATIONS FC#7**

**Surgery**

Chairs: Anton Langebrekke (NO) & Hervé Fernandez (FR)

- 14:00 • FC#7-1 Digestive functional outcomes of the surgical management of deep endometriosis infiltrating the rectum: radical versus symptom guided approach. Results of a comparative study**  
H. Roman <sup>1</sup>, M. Vassilieff <sup>1</sup>, B. Resch <sup>1</sup>, V. Bridoux <sup>1</sup>, E. Huet <sup>2</sup>, H. Khalil <sup>2</sup>, F. Michot <sup>2</sup>, L. Marpeau <sup>1</sup>, J.-J. Tuech <sup>2</sup>  
<sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Digestive Surgery, Rouen University Hospital, Rouen, France
- 14:10 • FC#7-2 Nerve-sparing laparoscopic eradication of deep endometriosis with segmental rectal and parametrial resection: The negrar method.**  
M. Ceccaroni <sup>1</sup>, R. Clarizia <sup>1</sup>, G. Ruffo <sup>2</sup>, F. Bruni <sup>1</sup>, G. Roviglione <sup>1</sup>, L. Minelli <sup>3</sup>  
<sup>1</sup>Gynecologic Oncologic Division, International School of Surgical Anatomy, <sup>2</sup>general Surgery, <sup>3</sup>Gynecology and Obstetrics, Sacred Heart Hospital, Negrar (Verona), Italy
- 14:20 • FC#7-3 Prospective assessment after excision of moderate-severe endometriosis with or without bowel resection and reanastomosis**  
C. Meuleman <sup>1</sup>, C. Tomassetti <sup>1</sup>, A. D'Hoore <sup>2</sup>, A. Wolthuis <sup>2</sup>, B. Van Cleynenbreugel <sup>3</sup>, A. Laenen <sup>4</sup>, F. Penninckx <sup>2</sup>, I. Vergote <sup>5</sup>, T. D'Hooghe <sup>1</sup>  
<sup>1</sup>Leuven University Fertility Centre, <sup>2</sup>Abdominal Surgery, <sup>3</sup>Urology, University Hospitals Leuven, <sup>4</sup>Interuniversity Centre for Biostatistics and Statistical Bioinformatics, <sup>5</sup>Obstetrics and Gynaecology, University Hospitals Leuven, Leuven, Belgium
- 14:30 • FC#7-4 Ten years of experience in surgical treatment of deep endometriosis: An analysis of 900 consecutive cases**  
G. Ruffo <sup>1</sup>, A. Sartori <sup>1</sup>, S. Partelli <sup>1</sup>, S. Crippa <sup>1</sup>, L. Minelli <sup>2</sup>, M. Falconi <sup>1</sup>  
<sup>1</sup>Department of General Surgery, <sup>2</sup>Department of Obstetrics And Gynecology, Sacro Cuore Don Calabria, Verona, Italy
- 14:40 • FC#7-5 Comparison between resection, bipolar coagulation and plasmajet : A preliminary animal study**  
N. Bourdel <sup>1</sup>, W. Essamet <sup>2</sup>, O. Tarta <sup>3</sup>, H. Roman <sup>4</sup>, R. Botchorisvili <sup>1</sup>, P. Dechelotte <sup>2</sup>, G. Mage <sup>1</sup>, M. Canis <sup>1</sup>  
<sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Department of Pathology, University Hospital Estaing, Clermont-Ferrand, <sup>3</sup>Department of Pathology, <sup>4</sup>Obstetrics and Gynecology, Rouen University Hospital, Rouen, France
- 14:50 • FC#7-6 Retrospective analysis of robot-assisted versus standard laparoscopy in the surgical treatment of pelvic pain indicative of endometriosis**  
J. F. Dulemba <sup>1</sup>, H. B. Hubert <sup>2</sup>, C. L. Pelzel <sup>3</sup>  
<sup>1</sup>The Womens Centre, Denton, <sup>2</sup>Medicine, Stanford University School of Medicine, Stanford, <sup>3</sup>Caring for Women, Denton, United States
- 15:00 • FC#7-7 Postoperative pain relief after laparoscopic endometriosis excision: a randomised study of superior hypogastric plexus block versus placebo.**  
L. Reyftmann <sup>1, 2</sup>, A. Liew <sup>1</sup>, T. Aust <sup>1</sup>, G. Cario <sup>1</sup>, D. Rosen <sup>1</sup>, D. Chou <sup>1</sup> on behalf of SWEC  
<sup>1</sup>Sydney Womens Endosurgery Centre, St George Private Hospital, Kogarah, Australia, <sup>2</sup>Pole Naissance Et Pathologies De La Femme, CHU A. De Villeneuve, Montpellier, France
- 15:10 • FC#7-8 Fertility after colorectal resection for endometriosis: results of a prospective study comparing laparoscopy to open surgery**  
E. darai <sup>1</sup>, B. Lesieur <sup>1</sup>, G. Dubernard <sup>1</sup>, R. rouzier <sup>1</sup>, M. bazot <sup>1</sup>, M. Ballester <sup>1</sup>  
<sup>1</sup>Tenon University Hospital, Paris, France
- 15:20 • Discussion and summary**

14:00 – 15:30

Joffre 1

**FREE COMMUNICATIONS FC#8**

**Endometrium**

Chairs: Gerard Dunselman (NL) & Charles Chapron (FR)

**14:00 • FC#8-1 Endometrial-derived pluripotent mesenchymal stem cells in women with endometriosis and chronic pelvic pain have higher growth rates than health volunteers**

I. Khachikyan <sup>1</sup>, T. Kino <sup>1</sup>, N. Sinaii <sup>2</sup>, E. Wolff<sup>1</sup>, A. C. Gonzalez <sup>1</sup>, P. Stratton <sup>1</sup>

<sup>1</sup>Program in Reproductive and Adult Endocrinology, NICHD, NIH, <sup>2</sup>Biostatistics and Clinical Epidemiology Service, CC, NIH, Bethesda, United States

**14:10 • FC#8-2 Nuclear Factor-Kappab (NF-KB) activation and P65 expression patterns in the endometrium of healthy women and endometriosis patients throughout the menstrual cycle**

R. Gonzalez-Ramos <sup>1</sup>, J. Rocco <sup>1</sup>, C. Rojas <sup>1</sup>, C. Alvarado-Diaz <sup>1</sup>, H. Sovino <sup>1</sup>, P. Kohen <sup>1</sup>, A. Muñoz <sup>1</sup>, L. Devoto <sup>1</sup>

<sup>1</sup>Instituto De Investigaciones Materno Infantil, Hospital San Borja Arriaran, Universidad De Chile, Santiago, Chile

**14:20 • FC#8-3 Sphingosine pathway deregulation in endometriotic tissues**

P. Santulli <sup>1, 2</sup>, L. Marcellin <sup>1, 2</sup>, B. Borghese <sup>1, 2</sup>, D. Vaiman <sup>2</sup>, C. Chapron <sup>1, 2</sup>, C. Mehats <sup>2</sup>

<sup>1</sup>Department of Gynecology Obstetrics II and Reproductive Medicine, Université Paris Descartes, AP- HP, Cochin Saint Vincent De Paul, <sup>2</sup>Université Paris Descartes, CNRS (UMR 8104), Inserm, Unité De Recherche U1016, Institut Cochin, Paris, France

**14:30 • FC#8-4 Activation of sphingosine pathway to apoptosis in eutopic endometrial stromal cells from woman with endometriosis**

D. Gawron <sup>1</sup>, M. S. Gabryś <sup>2</sup>, L. Terpiłowski <sup>3</sup>, A. Chrobak <sup>4</sup>

<sup>1</sup>Department of Protein Biotechnology, University of Wrocław, <sup>2</sup>First Department of Gynecology and Obstetrics, <sup>3</sup>Department of Gynecology And Obstetrics, Faculty of Health Science, Wrocław Medical University, <sup>4</sup>Laboratory of Reproductive Immunology, IITD, Wrocław, Poland

**14:40 • FC#8-5 Cancelled**

**14:50 • FC#8-6 Aromatase expression in the endometrium of symptomatic patients in whom laparoscopy revealed no signs of endometriosis**

H. Maia Jr. <sup>1</sup>, J. Casoy <sup>1</sup>, C. Haddad <sup>1</sup>, E. M. Coutinho <sup>2</sup>

<sup>1</sup>Research, <sup>2</sup>President, Ceparh, Salvador, Brazil

**15:00 • FC#8 -7 Simvastatin and resveratrol reduce estrogen receptor alpha/ estrogen receptor beta ratio in human endometrial stromal cells in the presence of inflammatory environment**

A. Sokalska <sup>1, 2</sup>, A. Cress <sup>1</sup>, K. L. Bruner-Tran <sup>3</sup>, K. G. Osteen <sup>3</sup>, A. J. Duleba <sup>1</sup>

<sup>1</sup>Ob/Gyn, University of California Davis, Sacramento, United States, <sup>2</sup>Ob/Gyn, University of Medical Sciences, Poznan, Poland, <sup>3</sup>Women's Reproductive Health Research Center, Vanderbilt University School of Medicine, Nashville, United States

**15:10 • FC#8 -8 PC6 is critical for endometrial receptivity via regulation of EBP50**

L. Rombauts <sup>1</sup>, L. Salamonsen <sup>2</sup>, G. Nie <sup>2</sup>

<sup>1</sup>Dept. O&G, Monash University, <sup>2</sup>Prince Henry's Institute of Medical Research, Melbourne, Australia

**15:20 • Discussion and summary**

15:30 – 16:00

Pasteur

**KEYNOTE LECTURE #5**  
Surgery for endometriosis related pain

**Michel Müller (CH)**

Chairs: Liselotte Mettler (DE) & Léon Boubli (FR)

16:00 – 16:20

Pasteur

**KEYNOTE LECTURE #6**  
Research directions in endometriosis for the next three years

**Peter Rogers (AU)**

Chairs: David Adamson (US) & Nicolas Bersinger (CH)

16:20 – 16:45

Pasteur

**CLOSING CEREMONY**  
(Awards and WCE2014)

## Scientific Programme **THURSDAY 8 SEPTEMBER**

*Attendance by invitation only*

**Faculté de Médecine\***  
**Amphithéâtre anatomicum**

\* 2 rue Ecole de Médecine, Montpellier



**08:00 – 16:00** **POST-CONGRESS WORKSHOP**  
**Montpellier 2011 consensus on the clinical management  
of endometriosis**

**World Endometriosis Society**

Chair: Neil Johnson (NZ)



# POSTERS

Posters will be on display during the entire congress  
and there will be 3 poster breakfast sessions focusing on specific topics.

Exhibit

## BREAKFAST POSTER SESSIONS 07:00 – 08:00

MONDAY 5 SEPTEMBER 2011		SESSION P1	
Topic	Area	Board #	Page
01. <b>ART</b>	EINSTEIN	1 to 8	38
02. <b>Cancer</b>	EINSTEIN	9 to 13	38 to 39
03. <b>Deep endometriosis</b>	EINSTEIN	14 to 40	39 to 41
04. <b>Endometrium</b>	CITADELLE	41 to 55	41 to 43
05. <b>Environmental factors</b>	CITADELLE	56 to 61	43
06. <b>Genetics</b>	LOUISVILLE	62 to 95	43 to 46
07. <b>Prevention and recurrence</b>	CITADELLE	96 to 102	46 to 47
08. <b>Other</b>	BARCELONE	103 to 120	47 to 48

TUESDAY 6 SEPTEMBER 2011		SESSION P2	
Topic	Area	Board #	Page
09. <b>Diagnosis</b>	CITADELLE	121 to 165	49 to 52
10. <b>Pain</b>	CITADELLE	166 to 186	53 to 54
11. <b>Quality of Life/Sexuality</b>	CITADELLE	187 to 205	54 to 56
12. <b>Surgery</b>	CITADELLE	206 to 249	56 to 59

WEDNESDAY 7 SEPTEMBER 2011		SESSION P3	
Topic	Area	Board #	Page
13. <b>Epidemiology</b>	REGISTERED	250 to 255	60
14. <b>Infertility</b>	REGISTERED	256 to 277	60 to 62
15. <b>Medical Treatment</b>	BERLIOZ	278 to 315	62 to 65
16. <b>-omics</b>	REGISTERED	316 to 319	66
17. <b>Pathophysiology/Aetiology</b>	REGISTERED	320 to 376	66 to 71

- Poster presenters are requested to proceed to the Congress Secretariat, where they will be given hanging materials.
- Hanging and removal of Posters
  - Hanging > Sunday 4 September from 14:00 until 20:00
  - Dismantling > Wednesday 7 September by 17:00 at the latest
- During the three poster sessions presenters should be by their poster(s) so that delegates can discuss it, ask questions, and get more information.

Topic	Area	Board #
01. <b>ART</b>	EINSTEIN	1 to 8

**P1-1**

**Effect Of CO Enzyme Q10 On Embryo Development In Endometriosis**

F. Ali<sup>1</sup>, Gamal I<sup>2</sup>, S.na El Shayp<sup>3</sup>, S. Shaker<sup>4</sup>

<sup>1</sup>Heliopolis Research Center, <sup>2</sup>Egyptian Institute Of Energy And Nuclear Power, <sup>3</sup>Veterinary Faculty Of Medicine Kafr El Shekh ,

<sup>4</sup>National Research Center. Cairo, Egypt.

<sup>1</sup>obstetrics And Gynecology, Heliopolis Research Center, Cairo, Egypt

**P1-2**

**Three Step Protocol For The Management Of Patients With Recurrent Endometrioma In Assisted Reproductive Techniques (Art)-A Retrospective Study**

C. Ashraf<sup>1</sup>, L. K. Baisetti<sup>1</sup>, A. Paisal<sup>1</sup>, S. Ramakrishnan<sup>1</sup>

<sup>1</sup>Assisted Reproductive Unit, Craft Hospital And Research Center, Kodangallur, Thrissur district, India

**P1-3**

**Benefit Of Ovarian Stimulation/Intra-Uterine Insemination After Laparoscopic Treatment Of Endometriosis Stage I/II**

M. Cayrac<sup>1</sup>, H. Dechaud<sup>2</sup>, B. Hedon<sup>2</sup>

<sup>1</sup>University Hospital, Nimes, <sup>2</sup>University Hospital, Montpellier, France

**P1-4**

**Follicular Fluid Thioredoxin And Thioredoxin Binding Protein-2 Concentrations In Infertile Patients With Endometriosis**

Y. S. Choi<sup>1</sup>, Y. M. Choi<sup>1</sup>, K. J. Lim<sup>1</sup>, Y. E. Jeon<sup>2</sup>, S. K. Seo<sup>1</sup>, S. Cho<sup>2</sup>, B. S. Lee<sup>2</sup>

<sup>1</sup>Obstetrics and Gynecology, Severance Hospital, Yonsei University College of Medicine, <sup>2</sup>Obstetrics and Gynecology, Gangnam Severance Hospital, Yonsei University College of Medicine, Seoul, Republic Of Korea

**P1-5**

**Evaluation Of In Vitro Development Of Embryos Originating From Either IVF Or ICSI In The Yale IVF Programme**

I. Matalliotakis<sup>1</sup>, H. Cakmak<sup>1</sup>, D. Sakkas<sup>1</sup>, M. Matalliotakis<sup>2</sup>, D. Kappou<sup>3</sup>, A. Arici<sup>4</sup>

<sup>1</sup>OBG, Yale University, New Haven, United States, <sup>2</sup>Semmelweis University, Budapest, Hungary, <sup>3</sup>OBG, University of Crete, Heraklion Crete, Greece, <sup>4</sup>OBG, Yale University, Budapest, United States

**P1-6**

**Outcome Of Assisted Reproductive Technologies In Patients With Endometriosis Seeking A Pregnancy: Impact Of Oocyte And Embryo Donation**

J. Suñol<sup>1</sup>, A. Lopez-Muñiz<sup>1</sup>, B. Peramo<sup>1</sup>, M. Lopez-teijon<sup>1</sup>

<sup>1</sup>Institut Marques, Barcelona, Spain

**P1-7**

**GNRH Antagonist Versus Long GnRH Agonist Protocol In Patients With Endometriosis Undergoing IVF: A Randomized Controlled Trial**

C. Vincens<sup>1</sup>, C. Dechanet<sup>1</sup>, H. Dechaud<sup>1</sup>, B. Hedon<sup>1</sup>

<sup>1</sup>CHU ADV, MONTPELLIER, France

Topic	Area	Board #
02. <b>Cancer</b>	EINSTEIN	9 to 13

**P1-9**

**Plasminogen Activator Inhibitor-1 (PAI-1) 4g/5g Polymorphism And Endometrial Cancer. Influence Of PAI-1 Polymorphism On Tissue PAI-1 Antigen And Mrna Expression And Tumor Severity**

J. Gilabert-Estellés<sup>1</sup>, L. A. Ramón<sup>2</sup>, A. Braza-Boils<sup>2</sup>, J. Gilabert<sup>3</sup>, M. Chirivella<sup>4</sup>, F. España<sup>2</sup>, A. Estellés<sup>2</sup>

<sup>1</sup>Gynecology Department, <sup>2</sup>Research Center, Hospital Universitario y Politécnico La Fe, <sup>3</sup>Gynecology Department, Hospital Arnau de Vilanova, <sup>4</sup>Anatomopathology Department, Hospital Universitario y Politécnico La Fe, Valencia, Spain

**P1-10**

**Endometriosis And Skin Cancer Risk In The French E3N Prospective Cohort**

M. Kvaskoff<sup>1</sup>, A. Bijon<sup>1</sup>, S. Lorrain<sup>1</sup>, S. Mesrine<sup>1</sup>, F. Clavel-Chapelon<sup>1</sup>, M.-C. Boutron-Ruault<sup>1</sup>

<sup>1</sup>"Nutrition, Hormones and Women's Health" Team, Inserm U1018, Centre for Research in Epidemiology and Population Health(CESP), Gustave Roussy Institute, Villejuif, France

**P1-11****An Immunohistochemical Study Of Ki-67 (Mib1) Expression In The Peritoneal Fluid Of Women With Endometriosis In Comparison With Ovarian Cancer Patients**C. Matalliotaki <sup>1</sup>, D. Kappou <sup>2</sup>, D. Tamiolakis <sup>3</sup>, P. Petraki <sup>3</sup>, M. Matalliotakis <sup>4</sup>, A. Kalogeraki <sup>3</sup>, I. Matalliotakis <sup>2</sup><sup>1</sup>Biology, <sup>2</sup>OBG, <sup>3</sup>Department of Cytopathology, University of Crete, Heraklion Crete, Greece, <sup>4</sup>Semmelweis University, Budapest, Hungary**P1-12****Endometriosis, DNA Repair Capacity, And Breast Cancer Risk**J. Matta <sup>1</sup>, L. Morales <sup>1</sup>, H. Acosta <sup>1</sup>, W. Vargas <sup>1</sup>, C. A. Garriga <sup>2</sup>, I. Flores <sup>3</sup>, J. B. Monteiro <sup>3</sup>, M. Bayona <sup>2</sup><sup>1</sup>Pharmacology, <sup>2</sup>Public Health, <sup>3</sup>Microbiology, PONCE SCHOOL OF MEDICINE, Ponce, Puerto Rico**P1-13****Loss Of Expression Of ARID1A (BAF250A) In Endometriosis**E. P. Samartzis <sup>1</sup>, N. Samartzis <sup>1</sup>, A. Noske <sup>2</sup>, K. J. Dedes <sup>1</sup>, D. Fink <sup>1</sup>, P. Imesch <sup>1</sup><sup>1</sup>Clinic of Gynecology, <sup>2</sup>Institute of Pathology, UNIVERSITY HOSPITAL OF ZURICH, Zürich, Switzerland

Topic	Area	Board #
03. <b>Deep endometriosis</b>	EINSTEIN	14 to 40

**P1-14****Low Soluble HLA-G Levels In The Serum And Peritoneal Fluid Of Women With Deep Endometriosis**B. Thiele <sup>1</sup>, M. Bellodi-Privato <sup>1</sup>, S. Podgaec <sup>1</sup>, P. Bellelis <sup>1</sup>, M. L. C. Marin <sup>1</sup>, M. S. Abrão <sup>1</sup><sup>1</sup>Department of Obstetrics and Gynecology, University of São Paulo Medical School, USP, São Paulo, Brazil**P1-15****Undifferentiated Histologic Pattern Of Endometriosis In Deep Infiltrative Lesions In The Recto-Sigmoid**L. F. C. Fernandes <sup>1</sup>, S. Podgaec <sup>1</sup>, J. A. Dias Jr <sup>1</sup>, F. M. Carvalho <sup>2</sup>, A. Silva <sup>1</sup>, M. S. Abrão <sup>1</sup><sup>1</sup>Department of Obstetrics and Gynecology, University of São Paulo Medical School, <sup>2</sup>Department of Pathology, University of São Paulo Medical School, USP, São Paulo, Brazil**P1-16****Cellular Kinetics Is Altered In Patients With Deep Endometriosis Of The Recto-Sigmoid**M. A. Bassi <sup>1</sup>, S. Podgaec <sup>1</sup>, N. D'Amico <sup>1</sup>, V. Arias <sup>2</sup>, M. S. Abrão <sup>1</sup><sup>1</sup>Department of Obstetrics and Gynecology, Sao Paulo Medical School, USP, <sup>2</sup>Department of Pathology, Perola Bygton Hospital, São Paulo, Brazil**P1-17****Laparoscopic Treatment Of Deep Endometriosis**P. Alexandr <sup>1</sup>, and A.A. Popov, K.V. Krasnopol'skaya, M.R. Ramazanov,<sup>1</sup>Endoscopic Surgery, Moscow Reg. Research Institute of O/G, Moscow, Russian Federation**P1-18****Digestive Endometriosis: Benefits Of The Couple Mri-Ultrasound**E. Aubert <sup>1</sup>, N. Ragu <sup>1</sup>, H. Dechaud <sup>2</sup>, B. Gallix <sup>1</sup><sup>1</sup>Imaging Department, CHU Saint Eloi, <sup>2</sup>Obstetrics & Gynaecology Department, CHU Arnaud de Villeneuve, Montpellier, France**P1-19****Urinary Dysfunction After Colorectal Resection For Endometriosis: Results Of A Prospective Randomized Trial Comparing Laparoscopy To Open Surgery**M. Ballester <sup>1</sup>, E. Chéreau <sup>2</sup>, G. Dubernard <sup>2</sup>, C. coutant <sup>2</sup>, M. Bazot <sup>3</sup>, E. darai <sup>2</sup><sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Tenon University Hospital, Paris, France, <sup>3</sup>Radiology, Tenon University Hospital, Paris, France**P1-20****Evaluation Of Pre- And Postoperative Urinary Dysfunction By Urodynamic Tests And Electromyography In Women With Deep Infiltrating Endometriosis**M. Ballester <sup>1</sup>, G. Dubernard <sup>1</sup>, E. Wafo <sup>1</sup>, G. Amarenco <sup>2</sup>, E. Darai <sup>1</sup><sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Neuro-urology and Electrophysiological Explorations, Tenon University Hospital, Paris, France**P1-21****Robot-Assisted Laparoscopic Resection Of Deep Pelvic Infiltrating Endometriosis Surgery**P. Collinet <sup>1</sup>, V. Bot-Robin <sup>1</sup>, A. Ladaique <sup>1</sup>, L. Zini <sup>2</sup>, C. Rubod <sup>1</sup><sup>1</sup>Pôle de gynécologie, Hôpital Jeanne de Flandre, <sup>2</sup>Service d'Urologie, Hôpital Claude Huriez, CHRU, Lille, France

### P1-22

#### **DNA Damage Induced By Oxidative Stress In Advanced Stage Of Endometriosis - Preliminary Results**

L. Carvalho<sup>1</sup>, S. Rakesh<sup>1</sup>, C. Biscotti<sup>2</sup>, B. Nutter<sup>3</sup>, M. S. Abrão<sup>4</sup>, T. Falcone<sup>1</sup>

<sup>1</sup>Center for Reproductive Medicine, Obstetrics and Gynecology and Women's Health Institute, <sup>2</sup>Pathology & Lab Medicine, Anatomic Pathology, <sup>3</sup>Institute of Quantitative Health Sciences, CLEVELAND CLINIC, Cleveland, United States, <sup>4</sup>Department of Obstetrics and Gynecology, São Paulo University, São Paulo, Brazil

### P1-23

#### **Metalloproteinase And TGF- $\beta$ Expression After Treatment Of Endometriosis With Mononuclear Stem Cells In Rats**

P. D. C. Maestrelli<sup>1</sup>, L. C. Guarita-Souza<sup>1</sup>, J. C. Francisco<sup>1</sup>, L. de Noronha<sup>1</sup>, V. F. Do Amaral<sup>2</sup>

<sup>1</sup>Center for Health and Biological Sciences, <sup>2</sup>Gynecology, Center for Health and Biological Sciences, Pontificia Universidade Catolica Do Parana, Curitiba, Brazil

### P1-24

#### **Return Of Bowel Function After Laparoscopy For Deep Infiltration Endometriosis: Preliminary Study Of 18 Cases**

M. B. Barcellos<sup>1</sup>, M. C. Medeiros<sup>1</sup>, C. C. Kexfe<sup>1</sup>, M. D. F. Fonseca<sup>2</sup>, L. G. Pignataro<sup>1</sup>, M. Lamblet<sup>1</sup>, C. P. Crispi<sup>1</sup>

<sup>1</sup>Servico de Ginecologia, <sup>2</sup>Servico de Anestesiologia, IFF-FIOCRUZ MS-BRAZIL, Rio de Janeiro, Brazil

### P1-25

#### **Diagnostic Values Of Standardized Questionnaire, Ultrasonography And Magnetic Resonance Imaging In The Presurgical Diagnosis Of Deep Infiltrating Endometriosis**

C. Muratorio<sup>1</sup>, C. Huchon<sup>1, 2</sup>, P. Labauge<sup>3</sup>, A. Roséfort<sup>1</sup>, A. Fauconnier<sup>1, 2</sup>

<sup>1</sup>Department of Gynaecology and Obstetrics, CHI Poissy-St-Germain, Poissy, <sup>2</sup>University Versailles Saint-Quentin en Yvelines, Versailles, <sup>3</sup>Department of radiology, CHI Poissy-St-Germain, Poissy, France

### P1-26

#### **Segmental Colorectal Resection For Digestive Deep Infiltrating Endometriosis: Laparoscopy Versus Open Surgery Retrospective Study Of 65 Patients**

J. Figurelli<sup>1</sup>, P. Collinet<sup>1</sup>, C. Rubod<sup>1</sup>, L. Boulanger<sup>1</sup>, G. Piessen<sup>2</sup>

<sup>1</sup>Gynecology, University Center, Lille, <sup>2</sup>General Surgery, University Center, Lille, France

### P1-27

#### **Feasibility Of Robot-Assisted Laparoscopy For Deep Pelvic Endometriosis: French Multicentric Retrospective Study About 53 Cases**

P. Collinet<sup>1</sup>, A. Ladaïque<sup>1</sup>, F. Muet<sup>2</sup>, C. Rubod<sup>1</sup>, P. Leguevaque<sup>3</sup>

<sup>1</sup>Hôpital Jeanne de Flandre, CHRU de Lille, Lille, <sup>2</sup>Clinique Belledonne, Grenoble, <sup>3</sup>Chirurgie Générale Et Gynécologique, Hôpital de Rangueil, Toulouse, France

### P1-28

#### **Ureteral Endometriosis And Loss Of Renal Function: Mechanisms And Interpretations**

A. Langebrekke<sup>1</sup>, E. Qvigstad<sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, Oslo Univ Hospital, Oslo, Norway

### P1-29

#### **Pelvic MRI Value For Posterior Cul-De-Sac Obliteration In Deep Pelvic Endometriosis**

S. Macario<sup>1</sup>, M. chassang<sup>1</sup>, S. novellas<sup>2</sup>, J. delotte<sup>2</sup>, P. chevallier<sup>2</sup>

<sup>1</sup>Radiology, <sup>2</sup>Archet Hospital, Nice, France

### P1-30

#### **Nerve Fibre Populations Within Peritoneal Lesions In A Non-human Primate Model Of Endometriosis**

F. Manconi<sup>1</sup>, A. T. Fazleabas<sup>2</sup>, R. Markham<sup>1</sup>, I. S. Fraser<sup>1</sup>

<sup>1</sup>Obstetrics And Gynaecology, The University Of Sydney, Sydney, Australia, <sup>2</sup>Obstetrics, Gynecology & Reproductive Biology, Michigan State University, East Lansing, Michigan, United States

### P1-31

#### **Pelvic Endovaginal Ultrasound After Bowel Preparation In Patients With Pelvic Pain**

R. G. C. Lopes<sup>1</sup>, D. D. B. Depes<sup>1</sup>, S. S. M. Diniz<sup>1</sup>, A. M. G. Pereira<sup>1</sup>

<sup>1</sup>Gynecological Videoendoscopy, Hospital Do Servidor Publico Estadual - Hspe, São Paulo, Brazil

### P1-32

#### **Magnetic Resonance Imaging Versus Double Contrast Barium Enema For The Assessment Of Rectal Or Colonic Localization Of Endometriosis**

G. Restaino<sup>1</sup>, M. Ciuffreda<sup>1</sup>, M. Missere<sup>1</sup>, M. Occhionero<sup>1</sup>, A. Pierro<sup>1</sup>, G. Sallustio<sup>1</sup>

<sup>1</sup>Radiology, Catholic University Campobasso, Campobasso, Italy

**P1-33****Pathophysiological Approach To Bowel Dysfunction After Segmental Colorectal Resection For Deep Endometriosis Infiltrating The Rectum**

H. Roman<sup>1</sup>, L. Armengol-Debeir<sup>2</sup>, G. Savoye<sup>2</sup>, J.-J. Tuech<sup>3</sup>, M. Vassiliev<sup>1</sup> and Digestive Tract Research Group, Rouen University

<sup>1</sup>Obstetrics And Gynecology, <sup>2</sup>Gastroenterology, <sup>3</sup>Digestive Surgery, Rouen University Hospital, Rouen, France

**P1-34****Treatment Of Endometriosis With Local Injection Of Acetylsalicylic Acid (ASA) - Experimental Study In Rabbits**

R. Saad-Hossne<sup>1</sup>, M. A. Rodrigues<sup>2</sup>, J. M. Siqueira<sup>1</sup>, E. S. Ioriati<sup>1</sup>, L. Rossini<sup>3</sup>

<sup>1</sup>Surgery, <sup>2</sup>Pathology, Paulista State University - Botucatu Medical School, Botucatu, <sup>3</sup>Surgery, Santa Casa Medical School, Sao Paulo, Brazil

**P1-35****Correlation Of Pre-Operative Target Organ Sonography (TOS) With Emphasis On Deep Infiltrating Lesions And Laparoscopic Findings: A New Non-Invasive Scoring System For Pelvic Endometriosis**

J. L. Salgado<sup>1, 2</sup>, N. Bracero<sup>3</sup>, F. Rivera<sup>4</sup>, N. Ramírez de Arellano<sup>5</sup>, A. D. Vélez<sup>1</sup>, A. M. Avilés<sup>1</sup>, N. Cobos<sup>6</sup>, L. Colón<sup>1</sup>

<sup>1</sup>Endometriosis Clinic, Minimally Invasive Surgery and Endometriosis Center of Puerto Rico, San Juan, <sup>2</sup>Obstetrics and Gynecology, Universidad Central del Caribe, School of Medicine, Bayamon, <sup>3</sup>Infertility Clinic, Genes Fertility Institute, <sup>4</sup>Surgery, Yanfer Surgical Group, <sup>5</sup>Sonography Department, Minimally Invasive Surgery and Endometriosis Center of Puerto Rico, San Juan, <sup>6</sup>Medical Student, Universidad Central del Caribe School of Medicine, Bayamon, Puerto Rico

**P1-36****Aromatase Inhibitor Plus GnRh Analogue In The Treatment Of Deep Endometriosis In Patients No Responder To Other Medical Therapies**

F. Scarpellini<sup>1</sup>, M. Sbracia<sup>1</sup>

<sup>1</sup>CERM, CERM, Rome, Italy

**P1-37****Evaluation Of Pelvic Floor Disorders In Women With Deep Endometriosis**

A. P. D. S. Bispo<sup>1</sup>, C. Ploger<sup>1</sup>, A. F. Loureiro<sup>1</sup>, H. Sato<sup>1</sup>, M. J. B. C. Girão<sup>1</sup>, M. G. Sartori<sup>1</sup>, E. Schor<sup>1</sup>

<sup>1</sup>Gynecology, Federal University of Sao Paulo, Sao Paulo, Brazil

**P1-38****Implication Of Rage-En-Rage Axis In The Pathophysiology Of Endometriosis**

I. Sharma<sup>1</sup>, V. Dhawan<sup>1</sup>, S. C. Saha<sup>2</sup>, L. K. Dhaliwal<sup>2</sup>

<sup>1</sup>Experimental Medicine & Biotechnology, <sup>2</sup>Obstetrics & Gynecology, PGIMER, Chandigarh, India

**P1-39****Endometriosis Of The Round Ligament Of The Uterus**

C. P. Crispi<sup>1</sup>, C. A. P. D. Souza on behalf of IFF - FIOCRUZ, M. A. P. Oliveira<sup>3</sup>, L. Cardeman<sup>1</sup>, H. Sato<sup>2</sup>, E. Schor<sup>2</sup>

<sup>1</sup>ginecologia, IFF - FIOCRUZ - Videoscopia Ginecológica, Rio de Janeiro, <sup>2</sup>ginecologia, Federal University of São Paulo Brazil - UNIFESP, São Paulo, <sup>3</sup>ginecologia, State University of Rio de Janeiro UERJ, Rio de Janeiro, Brazil

**P1-40****IVF Outcome After Extensive Versus Conservative Surgery For Deep Endometriosis**

C. Yazbeck<sup>1</sup>, L. M. Bontoux<sup>1</sup>, V. Kahn<sup>1</sup>, M. Koskas<sup>1</sup>, D. Luton<sup>1</sup>, P. Madelenat<sup>1</sup>

<sup>1</sup>Obstetrics Gynecology & Reproductive Medicine, Bichat Claude Bernard University Hospital, Paris, France

Topic	Area	Board #
04. <b>Endometrium</b>	CITADELLE	41 to 55

**P1-41****Myometrial And Endometrial Innervation In Women With Benign Gynaecological Disease**

M. I. Al-Jefout<sup>1, 2</sup>, K. Black<sup>2, 3</sup>, G. Luscombe<sup>2</sup>, R. Markham<sup>2</sup>, R. Rodgers<sup>2</sup>, N. Tokushige<sup>2</sup>, I. Fraser<sup>2, 3</sup>

<sup>1</sup>Obstetrics & Gynaecology, Mutah University, Mutah, Jordan, <sup>2</sup>Obstetrics & Gynaecology, Queen Elizabeth II Research Institute for Mothers and Infants, <sup>3</sup>Obstetrics & Gynaecology, Royal Prince Alfred Hospital, Sydney, Australia

**P1-42****Menstrual Endometrial Vasculature Changes In An Immunodeficient Mouse Model**

M.-L. Alvarez Gonzalez<sup>1</sup>, C. Galant<sup>2</sup>, A. Beliard<sup>3</sup>, E. Marbaix<sup>2</sup>, J. M. Foidart<sup>3</sup>, M. Nisolle<sup>3</sup>

<sup>1</sup>LBTD, ULg, Liège, <sup>2</sup>UCL, Bruxelles, <sup>3</sup>ULg, Liège, Belgium

**P1-43****Lipoxin A4 Is A Novel Estrogen Receptor Modulator**

I. Gori<sup>1</sup>, C. Pellegrini<sup>2</sup>, R. Kumar<sup>2</sup>, C. Achdari<sup>3</sup>, R. Russell<sup>3</sup>, G. Canny<sup>3</sup>

<sup>1</sup>University Hospital of Lausanne, <sup>2</sup>Dept. of Gynecology and Obstetrics, University Hospital, <sup>3</sup>Dept. of Gynecology and Obstetrics, University Hospital of Lausanne, Lausanne, Switzerland

**P1-44**

**Microarray Analysis Of Interleukin-1 Receptor 2-Deficient Microdissected Endometrial And Endometriotic Epithelial Glands Show Marked Changes In Angiogenic, Immune And Cell Growth Pathways**

A. Akoum<sup>1</sup>, K. Khoufache<sup>1</sup>, Z. M. Johan<sup>2</sup>, M. J. Jasper<sup>2</sup>, M. Van der Hoek<sup>3</sup>, E. Calvo<sup>4</sup>, M. Al-Akoum<sup>1</sup>, L. M. Hull<sup>2</sup>, S. A. Robertson<sup>2</sup>

<sup>1</sup>Obstetrics And Gynecology, Laval University, Quebec, Canada, <sup>2</sup>School of Paediatrics and Reproductive Health, <sup>3</sup>Adelaide Microarray Centre, University of Adelaide, Adelaide, Australia, <sup>4</sup>Anatomy and Physiology, LAVAL UNIVERSITY, Quebec, Canada

**P1-45**

**Origin Of Blood Vessels In Endometriosis Induced In A Heterologous Murine Model**

S. Defrere<sup>1</sup>, L. Taburiaux<sup>1</sup>, S. Colette<sup>1</sup>, J. Verhaeghe<sup>1</sup>, J. Donnez<sup>1</sup>, A. Van Langendonck<sup>1</sup>

<sup>1</sup>Department of Gynecology, Université Catholique de Louvain, Institut de Recherche Expérimentale et Clinique, 1200, Brussels, Belgium

**P1-46**

**Molecular Mechanisms Induced By LOX Overexpression In Endometrial And Endometriotic Cell Lines**

P. Baez-Vega<sup>1</sup>, D. Peterse<sup>2</sup>, A. Fazleabas<sup>2</sup>, I. Flores<sup>1, 2</sup>

<sup>1</sup>Microbiology, Ponce School Of Medicine And Health Sciences, Ponce, Puerto Rico, <sup>2</sup>Ob/Gyn, Michigan State University, Grand Rapids, United States

**P1-47**

**Fibroblast Activation Markers In Ectopic And Eutopic Endometrium From Women With Endometriosis**

L. Fu<sup>1, 2</sup>, M. Amir<sup>3</sup>, P. A. Rogers<sup>1</sup>, J. E. Girling<sup>1</sup>

<sup>1</sup>Obstetrics and Gynaecology, The University Of Melbourne, <sup>2</sup>Obstetrics and Gynaecology, Monash University and the Monash Institute of Medical Research, <sup>3</sup>Monash Medical Centre, Melbourne, Australia

**P1-48**

**Proteins That Promote Intracellular Iron Influx And Accumulation Are Increased In Secretory Endometrium From Patients With Endometriosis**

C. Alvarado-Diaz<sup>1</sup>, C. Rojas<sup>1</sup>, M. T. Nuñez<sup>2</sup>, H. Sovino<sup>1</sup>, J. Rocco<sup>1</sup>, L. Devoto<sup>1</sup>, R. Gonzalez-Ramos<sup>1</sup>

<sup>1</sup>instituto De Investigaciones Materno Infantil, Hospital San Borja Arriaran, Universidad De Chile, <sup>2</sup>Instituto de Dinámica Celular y Biotecnología, Facultad De Ciencias, Universidad De Chile, Santiago, Chile

**P1-49**

**Endometrial Expression Of Potent Lymphangiogenic Growth Factors VEGF-C And VEGF-D In Women With Endometriosis**

A. J. Hey-Cunningham<sup>1</sup>, C. H. M. Ng<sup>1</sup>, M. Berbic<sup>1</sup>, R. Markham<sup>1</sup>, I. S. Fraser<sup>1</sup>

<sup>1</sup>Obstetrics and Gynaecology, The University Of Sydney, Sydney, Australia

**P1-50**

**Expression Of G-Protein-Coupled Estradiol Receptor1 (GPER1) And C-FOS In Human Eutopic Endometria. Effect Of Specific Estradiol Receptor (ER) Agonists On C-FOS mRNA And Cell Viability In Vitro**

C. Johnson<sup>1</sup>, G. Araya<sup>1</sup>, M. Pino<sup>1</sup>, J. Castro<sup>1</sup>, P. Hidalgo<sup>1</sup>, M. Torres<sup>1</sup>, A. Fuentes<sup>1, 2</sup>, H. Sovino<sup>1, 2</sup>, F. Gabler<sup>3</sup>, A. Boric<sup>1</sup>

<sup>1</sup>IDIMI, University Of Chile, <sup>2</sup>San Borja Arriaran Clinical Hospital, <sup>3</sup>Pathology Department, University Of Chile, Santiago, Chile

**P1-51**

**Endometrial-Derived Pluripotent Mesenchymal Stem Cells In Women With Endometriosis And Chronic Pelvic Pain Have Higher Growth Rates Than Health Volunteers**

I. Khachikyan<sup>1</sup>, T. Kino<sup>1, 2</sup>, N. Sinaii<sup>3</sup>, E. Wolff<sup>1, 2</sup>, A. C. Gonzalez<sup>1, 2</sup>, P. Stratton<sup>1, 2</sup>

<sup>1</sup>Program in Reproductive and Adult Endocrinology, <sup>2</sup>PRAE, NICHD, NIH, <sup>3</sup>Biostatistics and Clinical Epidemiology Service, CC, NIH, Bethesda, United States

**P1-52**

**Are Estrogen Oxidative And Conjugate Metabolizing Enzymes Dysregulated In Endometrium Of Women With Endometriosis?**

C. A. Piccinato<sup>1, 2, 3</sup>, R. M. Neme<sup>1, 4</sup>, J. C. Rosa e Silva<sup>2, 3</sup>, V. B. Pazzini<sup>1</sup>, A. C. R. K. Goldberg<sup>1</sup>, G. S. Hidalgo<sup>2, 3</sup>, J. Meola<sup>2, 3</sup>, H. F. Brudniewski<sup>1, 4</sup>, R. A. Ferriani<sup>2, 3</sup>

<sup>1</sup>Hospital Israelita Albert Einstein, São Paulo, <sup>2</sup>Departamento de Ginecologia e Obstetrícia, FMRP-USP, Ribeirão Preto, <sup>3</sup>National Institute of Hormones and Women's Health, CNPq, <sup>4</sup>Centro de Endometriose São Paulo, São Paulo, Brazil

**P1-53**

**Altered Expression Of Activin, Cripto And Follistatin In The Endometrium Of Women With Endometrioma**

A. L. L. Rocha<sup>1, 2</sup>, P. Carrarelli<sup>2</sup>, R. Novembri<sup>2</sup>, L. Sabbioni<sup>2</sup>, S. Luisi<sup>2</sup>, F. M. Reis<sup>1</sup>, F. Petraglia<sup>2</sup>

<sup>1</sup>Gynecology and Obstetrics, Federal University Of Minas Gerais, Belo Horizonte, Brazil, <sup>2</sup>Department of Pediatrics, Obstetrics and Reproductive Medicine, Università di Siena, Siena, Italy

**P1-54****Reduced Expression Of Hoxa11 In The Mid-Luteal Endometrium From Women With Endometriosis-Associated Infertility**M. Szczepańska <sup>1</sup>, P. Wirstlein <sup>2</sup>, M. Łuczak <sup>3</sup>, J. Skrzypczak <sup>2</sup>, P. Jagodziński <sup>3</sup><sup>1</sup>Department of Obstetrics, Gynecology and Gynecological Oncology, Division of Reproduction, <sup>2</sup>Department of Obstetrics, Gynecology and Gynecological Oncology, Division of Reproduction, <sup>3</sup>Department of Biochemistry and Molecular Biology, Poznan Medical University of Science Poland., Poznań, Poland**P1-55****MEIS1 Down-Regulated In Ectopic Endometrial Cells Of Endometriosis And Reduced Apoptosis**W. W. Wang <sup>1</sup>, Y. Li <sup>1</sup>, Y. Z. Wu <sup>1</sup><sup>1</sup>Obstetrics and Gynecology, Tongji Hospital, Huazhong University Of Science And Technology, Wuhan, China

Topic	Area	Board #
05. Environmental factors	CITADELLE	56 to 61

**P1-56****Ultraviolet Radiation Exposure And The Risk Of Endometriosis In A Prospective Cohort Of US Women**M. Kvaskoff <sup>1, 2</sup>, J. Han <sup>1, 2</sup>, S. Missmer <sup>1, 2</sup><sup>1</sup>Channing Laboratory, Department of Medicine, Brigham & Women's Hospital and Harvard Medical School, <sup>2</sup>Department of Epidemiology, Harvard School of Public Health, Boston, United States**P1-57****Deep Endometriosis Is Associated With Very Low Body Mass Index**M.-C. Lafay Pillet <sup>1</sup>, A. Schneider <sup>1</sup>, B. Borghese <sup>1</sup>, P. Santulli <sup>1</sup>, C. Souza <sup>2</sup>, I. Streuli <sup>1</sup>, D. de Ziegler <sup>1</sup>, C. Chapron <sup>1</sup><sup>1</sup>OB GYN, Université Paris Descartes, Faculté de Médecine, AP HP, CHU Cochin, Paris, France, <sup>2</sup>OB GYN, Serviço de Ginecologia e Obstetrícia, Hospital de Clínicas de Porto Alegre (HCPA), Coordenação de Aperfeiçoamento de Pessoal de Nível Superior (CAPES), Brazil, Porto Alegre, Brazil**P1-58****Analysis Of Dibenzo-P-Dioxins, Polychlorinated Dibenzofurans And Dioxin-Like Polychlorinated Biphenyls In Deep Infiltrating Endometriosis Patients**F. Carmona <sup>1</sup>, M. A. Martínez-Zamora <sup>1</sup>, J. Parera <sup>2</sup>, E. Abad <sup>2</sup>, M. Abalos <sup>2</sup>, M. T. Galceran <sup>3</sup>, J. Rivera <sup>2</sup>, J. Balasch <sup>1</sup><sup>1</sup>Institut Clínic of Gynecology, Obstetrics and Neonatology, Hospital Clínic of Barcelona, <sup>2</sup>Laboratory of dioxins, Mass spectrometry laboratory, Department of ecotechnologies., IIQAB-CSIC, <sup>3</sup>Department of analytical chemistry., University of Barcelona., Barcelona, Spain**P1-59****PCDD/DFS, PCBS, And PBDES In Korean Endometriosis Patients**Y. J. Ok <sup>1</sup>, G. J. Cho <sup>2</sup>, J. H. Kim <sup>3</sup>, N. J. Park <sup>3</sup>, M. J. Oh <sup>2</sup>, J.-Y. Hur <sup>2</sup>, G. Ok <sup>3</sup>, J.-H. Shin <sup>2</sup><sup>1</sup>Faculty of Agricultural and Environmental science, McGill School of Environment, McGill University, Montreal, Canada, <sup>2</sup>Dept. of Obstetrics & Gynecology, Korea University College of Medicine, Seoul, <sup>3</sup>Graduate School of Earth Environmental Engineering and Dioxin Research Center, Pukyong National University, Busan, Korea, Republic Of**P1-61****Glutathione S-Transferase Polymorphisms And Risk Of Endometriosis Associated With Polychlorinated Biphenyls Exposure In Italian Women: A Gene-Environment Interaction**M. G. Porpora <sup>1</sup>, D. Yazdanian Masouleh <sup>1</sup>, S. Resta <sup>1</sup>, E. Fuggetta <sup>1</sup>, A. Ticino <sup>1</sup>, E. De Felip <sup>2</sup>, E. Testai <sup>3</sup><sup>1</sup>Department of Gynaecology & Obstetrics and Urology, Sapienza University of Rome, <sup>2</sup>Department of the Environment and Primary Prevention, Unit of Toxicological Chemistry, <sup>3</sup>Department of the Environment and Primary Prevention, Unit of Mechanisms of Toxicity, National Institute for Health, Roma, Italy

Topic	Area	Board #
06. Genetics	LOUISVILLE	62 to 95

**P1-62****Identification Of Differentially Methylated Genes In Endometriosis**D. Zimbar <sup>1,\*</sup>, M. S. Abrão <sup>2</sup>, S. Podgaec <sup>2</sup>, A. T. Fabro <sup>3</sup>, J. P. Monteiro <sup>1</sup>, A. Silva <sup>3</sup>, S. R. Rogatto <sup>4</sup>, C. A. Rainho <sup>1</sup><sup>1</sup>Department of Genetics, Biosciences Institute, UNESP – Botucatu – SP, UNESP, Botucatu, <sup>2</sup>Department of Gynecology and Obstetrics, USP – Sao Paulo – SP, USP, São Paulo, <sup>3</sup>Department of Pathology, Faculty of Medicine, UNESP – Botucatu – SP, <sup>4</sup>Department of Genetics, Biosciences, UNESP, Botucatu, Brazil**P1-63****Genetic Profiling Of Endometriosis**C. Adelfalk <sup>1</sup>, T. Buchholz <sup>1</sup><sup>1</sup>Gyn-Gen-Lehel, Munich, Germany**P1-64****SNP Screening Using Small Amplicon Genotyping (SAG) In Patients With Endometriosis**S. Akira <sup>1</sup>, A. Watanabe <sup>2</sup>, A. Fujita <sup>2</sup>, K. Watanabe <sup>1</sup>, T. Takeshita <sup>1</sup>, T. Shimada <sup>2</sup>, H. Zembutsu <sup>3</sup>, Y. Nakamura <sup>3</sup><sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Biochemistry and Molecular Biology, Nippon Medical School, <sup>3</sup>Laboratory of Molecular Medicine, Human Genome Center, Institute of Medical Science, The University of Tokyo, Tokyo, Japan

**P1-65****Genome Wide Association Study Suggest Novel Loci Predisposing Women To Develop Endometriosis**H. Albertsen<sup>1</sup>, R. Chettier<sup>1</sup>, P. Farrington<sup>1</sup>, K. Ward<sup>1</sup><sup>1</sup>Juneau Biosciences, Salt Lake City, United States**P1-66****Differential Expression Analysis Of ID-2 And SMOC-2 Genes In Ectopic And Eutopic Endometrium In Women With And Without Endometriosis In The Proliferative Phase Of The Menstrual Cycle**F. M. Araujo<sup>1</sup>, J. Meola<sup>1</sup>, J. C. Rosa e Silva<sup>1</sup>, G. S. Hidalgo<sup>1</sup>, C. C. P. Paz<sup>1</sup>, O. B. Poli Neto<sup>1</sup>, F. J. Cândido dos Reis<sup>1</sup>, R. A. Ferriani<sup>1</sup>, A. A. Nogueira<sup>1</sup><sup>1</sup>Gynecology and Obstetrics, University Of São Paulo, Ribeirão Preto, Brazil**P1-67****Differential Expression Analysis Prep Gene In Ectopic And Eutopic Endometrium In Women With And Without Endometriosis In The Proliferative Phase Of The Menstrual Cycle**F. M. Araujo<sup>1</sup>, J. Meola<sup>1</sup>, J. C. Rosa e Silva<sup>1</sup>, G. S. Hidalgo<sup>1</sup>, C. C. P. Paz<sup>1</sup>, O. B. Poli Neto<sup>1</sup>, F. J. Candido dos Reis<sup>1</sup>, R. A. Ferriani<sup>1</sup>, A. A. Nogueira<sup>1</sup><sup>1</sup>Gynecology and Obstetrics, University Of São Paulo, Ribeirão Preto, Brazil**P1-68****Analysis Of The Genetic Expression Of Neurotrophins In The Endometrium Of Patients With And Without Endometriosis**H. Barrera Villa Zevallos<sup>1, 2, 3</sup>, D. Lai<sup>3</sup>, J. Arthur<sup>4</sup>, C. H. M. Ng<sup>1</sup>, R. Markham<sup>1</sup>, I. S. Fraser<sup>1</sup><sup>1</sup>Queen Elizabeth II Research Institute for Mothers and Infants, The University Of Sydney, Sydney, Australia, <sup>2</sup>Consejo Nacional de Ciencia y Tecnología, CONACYT, Mexico City, Mexico, <sup>3</sup>The Bosch Institute, <sup>4</sup>Children's Medical Research Institute, The University Of Sydney, Sydney, Australia**P1-69****FOXP3 Variant As A Genetic Risk Factor For Infertility-Related Endometriosis**G. M. André<sup>1</sup>, B. Bianco<sup>1</sup>, F. L. Vilarino<sup>1</sup>, J. S. Teles<sup>1</sup>, D. M. Christofolini<sup>1</sup>, C. P. Barbosa<sup>1</sup><sup>1</sup>gynecology and obstetrics, Faculdade De Medicina Do ABC, São Paulo, Brazil**P1-70****Genetic Polymorphisms Of DNMT3L Are Associated With Endometrioma: Potential Implication Of DNMT3L In Hypermethylation Of Chromosomal Ends**B. Borghese<sup>1, 2, 3</sup>, P. Santulli<sup>1, 2, 3</sup>, D. Héquet<sup>1, 2, 3</sup>, G. Pierre<sup>1</sup>, C. Chapron<sup>1, 2, 3</sup>, D. Vaiman<sup>2, 3</sup><sup>1</sup>Service de Gynécologie Obstétrique 2 et Médecine de la Reproduction, Groupe Hospitalier Cochin - Saint-Vincent de Paul, AP-HP, Université Paris Descartes, <sup>2</sup>Institut Cochin, Université Paris Descartes, CNRS (UMR 8104), <sup>3</sup>Inserm, U1016, Paris, France**P1-71****Apolipoprotein E Polymorphisms And Spontaneous Pregnancy Loss In Endometriosis Patients**M. S. Collazo<sup>1</sup>, T. Porrata-Doria<sup>2</sup>, I. Flores<sup>1</sup>, S. Acevedo<sup>3</sup><sup>1</sup>Microbiology, <sup>2</sup>Biochemistry, <sup>3</sup>Physiology, Pharmacology, and Toxicology, Ponce School of Medicine and Health Sciences, Ponce, United States**P1-72****Polymorphisms 4G/5G Of The PAI-1 Gene And Endometriosis-Related Infertility**R. P. Goncalves Filho<sup>1</sup>, C. P. Barbosa<sup>1</sup>, B. Bianco<sup>1</sup>, D. M. Christofolini<sup>1</sup>, A. Brandes<sup>1</sup>, T. Lerner<sup>1</sup><sup>1</sup>Human Reproduction, ABC Faculty of Medicine, Santo Andre, Brazil**P1-73****Up-Regulation Of CCR1 In Endometriotic Implants: An Inflammatory Molecula**G. S. Hidalgo<sup>1</sup>, J. C. Rosa e Silva<sup>1</sup>, J. Meola<sup>1</sup>, C. C. Paz<sup>2</sup>, R. A. Ferriani<sup>1</sup><sup>1</sup>Gynecology and Obstetrics, <sup>2</sup>Genetics, SCHOOL OF MEDICINE OF RIBEIRAO PRETO- USP, Ribeirão Preto, Brazil**P1-74****Overexpression Of TAGLN Gene In Endometriotic Lesions May Be Related To The Development And Conservation Of Ectopic Implants**G. S. Hidalgo<sup>1</sup>, J. Meola<sup>1</sup>, J. C. Rosa e Silva<sup>1</sup>, C. C. Paz<sup>2</sup>, R. A. Ferriani<sup>1</sup><sup>1</sup>Gynecology and Obstetrics, <sup>2</sup>Genetics, School Of Medicine Of Ribeirao Preto- USP, Ribeirão Preto, Brazil**P1-75****Association Of The Interferon- $\gamma$  Gene (CA)N Repeat Polymorphism With Endometriosis**K. R. Hwang<sup>1</sup>, J. J. Kim<sup>2</sup>, Y. M. Choi<sup>3</sup>, G. H. Lee<sup>4</sup>, T. H. Lee<sup>5</sup>, S. H. Yoon<sup>6</sup><sup>1</sup>Obstetrics and Gynecology, Seoul National University Boramae Hospital, <sup>2</sup>Obstetrics and Gynecology, Healthcare System Gangnam Center, Seoul National University Hospital, <sup>3</sup>Obstetrics and Gynecology, Seoul National University Hospital, <sup>4</sup>Obstetrics and Gynecology, Seoul Medical Center, Seoul, <sup>5</sup>Obstetrics and Gynecology, Kyungpook National University School of Medicine, Daegu, <sup>6</sup>Obstetrics and Gynecology, Dongguk University Ilsan Hospital, Goyang, Korea, Republic Of Korea**P1-76****Prioritizing Candidate Genes For Endometriosis In A Region Of Significant Linkage Using Targeted Next Generation Sequencing**J. Lin<sup>1</sup>, A. P. Morris<sup>2</sup>, S. H. Kennedy<sup>1</sup>, J. W. Kemnitz<sup>3</sup>, J. Rogers<sup>4</sup>, K. T. Zondervan<sup>1, 2</sup><sup>1</sup>Nuffield Dept. of Obstetrics and Gynaecology, <sup>2</sup>Wellcome Trust Centre for Human Genetics, University of Oxford, Oxford, United Kingdom, <sup>3</sup>Wisconsin National Primate Research Center, University of Wisconsin-Madison, Madison, <sup>4</sup>Human Genome Sequencing Center, Baylor College of Medicine, Houston, United States

**P1-77****SPARC, SPARCL1 And CALD1 Genes Are Up-Regulated In Endometriotic Lesions**J. Meola <sup>1</sup>, J. C. Rosa e Silva <sup>1</sup>, G. S. Hidalgo <sup>1</sup>, C. C. P. Paz <sup>2</sup>, R. A. Ferriani <sup>1</sup><sup>1</sup>Department of Gynecology and Obstetric, <sup>2</sup>Department of Genetics, School of Medicine of Ribeirao Preto - University of Sao Paulo, Ribeirao Preto, Brazil**P1-78****Characterization Of Histone Modification Patterns In Endometriosis**J. B. Monteiro <sup>1</sup>, M. Bayona <sup>2</sup>, M. Colón-Díaz <sup>1</sup>, M. Garcia <sup>3</sup>, M. Collazo <sup>1</sup>, J. Laboy <sup>4</sup>, C. A. Garriga <sup>2</sup>, E. Seto <sup>5</sup>, I. Flores <sup>1</sup><sup>1</sup>Microbiology, <sup>2</sup>Public Health, Ponce School Of Medicine, Ponce, <sup>3</sup>Clinical Anatomical Pathology, Hato Rey Patology, Hato Rey, <sup>4</sup>Department of Obstetrics and Gynecology, Ponce School Of Medicine, Ponce, Puerto Rico, <sup>5</sup>Molecular Oncology, H. Lee Moffitt Cancer Center, Tampa-Florida, United States**P1-79****DNA Sequence Data Identifies Novel Variants In WNT4 More Strongly Associated With Endometriosis Risk**G. W. Montgomery <sup>1</sup>, D. R. Nyholt <sup>2</sup>, S. Macgregor <sup>3</sup>, J. N. Painter <sup>1</sup>, A. P. Morris <sup>4</sup>, S. A. Treloar <sup>5</sup>, S. H. Kennedy <sup>6</sup>, S. A. Missmer <sup>7</sup>, K. T. Zondervan <sup>4</sup><sup>1</sup>Molecular Epidemiology, <sup>2</sup>Neurogenetics Laboratory, <sup>3</sup>Queensland Statistical Genetics Laboratory, Queensland Institute of Medical Research, Brisbane, Australia, <sup>4</sup>Genetic and Genomic Epidemiology Unit, Wellcome Trust Centre for Human Genetics, Oxford, United Kingdom, <sup>5</sup>Centre for Military and Veterans' Health, University of Queensland, Brisbane, Australia, <sup>6</sup>Nuffield Department of Obstetrics and Gynaecology, University of Oxford, Oxford, United Kingdom, <sup>7</sup>Department of Obstetrics, Gynecology and Reproductive Biology, Brigham and Women's Hospital and Harvard Medical School, Boston, United States**P1-80****Aberrant Immunoreactivity Of Deoxyribonucleic Acid Methyltransferases (DNMTs) And Histone Deacetylases (HDACS) In Adenomyosis**J. Nie <sup>1</sup>, X. Liu <sup>1</sup>, S.-W. Guo <sup>1</sup><sup>1</sup>Shanghai OB/GYN Hospital of Fudan University, Shanghai, China**P1-81****High-Density Fine-Mapping Of A Chromosome 10Q26 Linkage Peak Suggests Association Between Endometriosis And Variants Close To CYP2C19**J. Painter <sup>1</sup>, D. Nyholt <sup>1</sup>, A. Morris <sup>2</sup>, Z. Zhao <sup>1</sup>, S. Kennedy <sup>3</sup>, S. Treloar <sup>4</sup>, K. Zondervan <sup>5</sup>, G. Montgomery <sup>1</sup><sup>1</sup>Molecular Epidemiology, QUEENSLAND INSTITUTE OF MEDICAL RESEARCH, Brisbane, Australia, <sup>2</sup>Wellcome Trust Centre for Human Genetics, <sup>3</sup>Nuffield Department of Obstetrics and Gynaecology, University of Oxford, Oxford, United Kingdom, <sup>4</sup>Centre for Military and Veterans' Health, University of Queensland, Brisbane, Australia, <sup>5</sup>Wellcome Trust Centre for Human Genetics, University of Queensland, Oxford, United Kingdom**P1-82****Common Genetic Variants Underlie Endometriosis And Obesity-Related Traits**N. Rahmioglu <sup>1</sup>, H. Harris <sup>2</sup>, S. Macgregor <sup>3</sup>, A. P. Morris <sup>1</sup>, G. Montgomery <sup>3</sup>, S. A. Missmer <sup>2</sup>, C. M. Lindgren <sup>1</sup>, K. T. Zondervan <sup>1</sup> and The International EndoGene Consortium, The GIANT Consortium<sup>1</sup>Wellcome Trust Centre for Human Genetics, University of Oxford, Oxford, United Kingdom, <sup>2</sup>Brigham and Women's Hospital, Harvard Medical School, Boston, United States, <sup>3</sup>Queensland Institute for Medical Research, Herston, Queensland, Australia**P1-83****Micrnas Related To Angiogenesis Expression In Endometrial Cancer**L. A. Ramón <sup>1</sup>, A. Braza-Boils <sup>1</sup>, J. Gilabert-Estellés <sup>2</sup>, J. Gilabert <sup>3</sup>, F. España <sup>1</sup>, M. Chirivella <sup>4</sup>, A. Estellés <sup>1</sup><sup>1</sup>Research Center, <sup>2</sup>Gynecology Department, Hospital Universitario y Politécnico La Fe, <sup>3</sup>Gynecology Department, Hospital Arnau de Vilanova, <sup>4</sup>Anatomopathology Department, Hospital Universitario y Politécnico La Fe, Valencia, Spain**P1-84****Cancer-Related Genes Screening In Patients With Endometriosis**J. C. Rosa-E-Silva <sup>1</sup>, D. B. Dentillo <sup>1</sup>, J. Meola <sup>1</sup>, D. G. Pinheiro <sup>1</sup>, W. A. Silva Jr <sup>1</sup>, R. A. Ferriani <sup>1</sup><sup>1</sup>Gynecology And Obstetrics, School Of Medicine Of Ribeirão Preto, Ribeirão Preto, Brazil**P1-85****Analysis Of The Differential Expression Of The ID2 And SMOC2 Genes In Ectopic And Eutopic Endometrium Of Women With And Without Endometriosis In The Proliferative Phase Of The Menstrual Cycle**J. C. Rosa-E-Silva <sup>1</sup>, F. M. Araujo <sup>1</sup>, J. Meola <sup>1</sup>, G. S. Hidalgo <sup>1</sup>, C. C. P. Paz <sup>1</sup>, O. B. Poli-Neto <sup>1</sup>, F. J. Candido-dos-Reis <sup>1</sup>, R. A. Ferriani <sup>1</sup>, A. A. Nogueira <sup>1</sup><sup>1</sup>Gynecology And Obstetrics, School Of Medicine Of Ribeirão Preto, Ribeirão Preto, Brazil**P1-86****Analysis Of The Differential Expression Of The Prelp Gene In Ectopic And Eutopic Endometrium In Women With And Without Endometriosis In The Proliferative Phase Of The Menstrual Cycle**J. C. Rosa-E-Silva <sup>1</sup>, F. M. Araujo <sup>1</sup>, J. Meola <sup>1</sup>, G. S. Hidalgo <sup>1</sup>, C. C. P. Paz <sup>1</sup>, O. B. Poli-Neto <sup>1</sup>, F. J. Candido-dos-Reis <sup>1</sup>, R. A. Ferriani <sup>1</sup>, A. A. Nogueira <sup>1</sup><sup>1</sup>Gynecology And Obstetrics, School Of Medicine Of Ribeirão Preto, Ribeirão Preto, Brazil**P1-87****High-Density Snp-Array Analysis- No Evidence Of Genomic Alterations In Endometriosis Patients**M. Saare <sup>1</sup>, D. Sõritsa <sup>2</sup>, L. Järva <sup>2</sup>, K. Vaidla <sup>3</sup>, P. Palta <sup>4</sup>, M. Laan <sup>5</sup>, H. Karro <sup>1</sup>, A. Sõritsa <sup>6</sup>, A. Salumets <sup>1</sup>, M. Peters <sup>1</sup><sup>1</sup>Department of Obstetrics and Gynecology, University Of Tartu, <sup>2</sup>Tartu University Hospital's Women's Clinic, <sup>3</sup>Competence Centre on Reproductive Medicine and Biology, <sup>4</sup>Institute of Molecular and Cell Biology, <sup>5</sup>Department of General and Molecular Pathology, University of Tartu, <sup>6</sup>Elite Clinic, Tartu, Estonia

**P1-88****Performance Of Peripheral (Serum And Molecular) Blood Markers For Diagnosis Of Endometriosis**

M. mabrouk<sup>1</sup>, A. elmakky<sup>2</sup>, G. montanari<sup>3</sup>, S. del forno<sup>3</sup>, E. geraci<sup>3</sup>, S. alvisi<sup>3</sup>, D. raimondo<sup>3</sup>, G. ferrini<sup>3</sup>, G. giovanardi<sup>3</sup>, R. Seracchioli<sup>3</sup>

<sup>1</sup>Department of obstetrics and Gynaecology, Alexandria University, Alexandria, Egypt, <sup>2</sup>Department of Molecular Biology, Hystology and Embriology, <sup>3</sup>Minimally Invasive Gynaecological Surgery Unit, S.Orsola-malpighi University Hospital, Bologna, Italy

**P1-89****High Throughput Genome-Wide Study In Intestinal Deep Endometriosis**

C. G. T. Silveira<sup>1, 2</sup>, M. S. Abrão<sup>3</sup>, S. Podgaec<sup>3</sup>, R. L. Amorim<sup>2, 4</sup>, M. A. C. Domingues<sup>5</sup>, S. A. Drigo<sup>6</sup>, S. R. Rogatto<sup>2, 6</sup>

<sup>1</sup>Department of Genetics, Institute of Biosciences, State University of Sao Paulo (UNESP), <sup>2</sup>NeoGene Laboratory, Department of Urology, School of Medicine, UNESP, Botucatu, <sup>3</sup>Endometriosis Division, Obstetrics and Gynecology Department, Sao Paulo University, São Paulo, <sup>4</sup>Veterinary Pathology Service, School of Veterinary Medicine and Animal Science, UNESP, <sup>5</sup>Department of Pathology, School of Medicine, UNESP, Botucatu, <sup>6</sup>CIPE - Department of Research, AC Camargo Hospital, São Paulo, Brazil

**P1-90****PLGF And HIF1-Alpha Polymorphisms Are Associated With Endometriosis In Caucasian Women**

A. Vodolazkaia<sup>1, 2</sup>, B. T. Yesilyurt<sup>3</sup>, A. Fassbender<sup>1, 2</sup>, C. Kyama<sup>4</sup>, A. Bokor<sup>5</sup>, D. Lambrechts<sup>3</sup>, T. D'Hooghe<sup>1</sup>

<sup>1</sup>Leuven University Fertility Centre, Department of Obstetrics & Gynaecology, University Hospital Gasthuisberg, Leuven, <sup>2</sup>Experimental Gynaecology Laboratory, Department of Obstetrics & Gynaecology, KU Leuven, <sup>3</sup>Vesalius Research Centrum, VIB-KU Leuven, Leuven, Belgium, <sup>4</sup>Division of Reproductive Biology, Institute of Primate Research, Nairobi, Kenya, <sup>5</sup>Department of Obstetrics & Gynaecology, Semmelweis University of Medicine, Budapest, Hungary

**P1-91****Analysis Of MMP14 And CTSL1 Gene Polymorphisms In Women With And Without Endometriosis In Taiwan**

W.-C. V. Yang<sup>1, 2, 3</sup>, H.-H. Chang<sup>1</sup>, H.-W. Chen<sup>4</sup>, C.-R. Tzeng<sup>3, 5</sup>

<sup>1</sup>Graduate Institute of Biomedical Materials and Engineering, <sup>2</sup>Center for Translational Medicine, Taipei Medical University, <sup>3</sup>Center for Reproductive Medicine, Taipei Medical University Hospital, <sup>4</sup>Graduate Institute of Toxicology, National Taiwan University, <sup>5</sup>Department of Obstetrics and Gynecology, Taipei Medical University, Taipei, Taiwan, China

**P1-92****Association Of The IL-6-634C/G Gene Polymorphism With Susceptibility To Endometriosis**

L. Zong<sup>1</sup>, T. mao<sup>1</sup>, Y. wang<sup>1</sup>, Y. fu<sup>2</sup>

<sup>1</sup>Department of Gynecology and Obstetrics, Hospital of Integrated Traditional Chinese Medicine and Western Medicine, school of Traditional Chinese Medicine, Southern Medical University, <sup>2</sup>Department of Biochemistry, College of Life Sciences, Sun Yat-Sen University, GuangZhou, China

**P1-93****No Association Between AHR1661G/A And ARNT567G/C Polymorphisms With Endometriosis**

L. Zong<sup>1</sup>, Y. wang<sup>1</sup>, T. mao<sup>1</sup>, Y. fu<sup>2</sup>

<sup>1</sup>Department of Gynecology and Obstetrics, Hospital of Integrated Traditional Chinese Medicine and Western Medicine, school of Traditional Chinese Medicine, Southern Medical University, <sup>2</sup>Department of Biochemistry, College of Life Sciences, Sun Yat-Sen University, GuangZhou, China

**P1-94****No Association Of Single Nucleotide Polymorphism In CYP17 ER WITH Endometriosis Risk In Southern Chinese Women.**

L. Zong<sup>1</sup>, X. zhao<sup>1</sup>, Y. wang<sup>1</sup>, T. mao<sup>1</sup>, Y. fu<sup>2</sup>

<sup>1</sup>Department of Gynecology and Obstetrics, Hospital of Integrated Traditional Chinese Medicine and Western Medicine, school of Traditional Chinese Medicine, Southern Medical University, <sup>2</sup>Department of Biochemistry, College of Life Sciences, Sun Yat-Sen University, GuangZhou, China

**P1-95****Immunological, Histological And Chanical Features Of Tumor Tissue In Women With Adenomyosis.**

O. A. Zotova<sup>1</sup>, N. Artymuk<sup>1</sup>

<sup>1</sup>OB/GYN Department №2, Kemerovo State Medical Academy, Kemerovo, Russian Federation

Topic	Area	Board #
07. <b>Prevention and recurrence</b>	CITADELLE	96 to 102

**P1-96****Recurrence Of Endometriosis After Laparoscopic Surgery In Adolescents**

Y. J. Cho<sup>1</sup>, J. M. Kim<sup>1</sup>, K. Y. Joo<sup>1</sup>, H. S. Lee<sup>1</sup>, J. H. Woo<sup>1</sup>, S. Y. Lee<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, Cheil General Hospital & Women's Healthcare Center, College of Medicine, Kwandong University, Seoul, Korea, Republic Of Korea

**P1-97****Sequential Administration Of Gonadotropin-Releasing Hormone Agonist Followed By Dienogest Maintains The Relief Of Endometriosis-Associated Pelvic Pain**

J. Kitawaki<sup>1</sup>, I. Kusuki<sup>1</sup>, K. Yamanaka<sup>1</sup>, I. Suganuma<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, KYOTO PREFECTURAL UNIVERSITY OF MEDICINE, Graduate School of Medical Science, Kyoto, Japan

**P1-98****Efficacy And Compliance Difficulties Of Oral Contraceptive Use After Laparoscopic Surgery In Preventing Endometrioma Recurrence**

H. Kobori<sup>1</sup>, A. Watari<sup>1</sup>, T. Yamamoto<sup>1</sup>

<sup>1</sup>Gynecology, Koshigaya Municipal Hospital, Koshigaya, Japan

**P1-99****Role Of Surgical And Medical Therapy In Treating Abdominal Wall Endometriosis**X. Liu<sup>1</sup>, J. Nie<sup>1</sup>, S.-W. Guo<sup>1</sup><sup>1</sup>Shanghai OB/GYN Hospital of Fudan University, Shanghai, China**P1-100****Follow-Up Of Recurrent Pattern Of Endometrioma For 10 Years**S.-T. Oh<sup>1</sup>, M.-K. Cho<sup>1</sup>, M.-J. Oh<sup>1</sup> and Korean Endometriosis Society<sup>1</sup>Department. of Obstetrics and Gynecology, Chonnam University Medical School, Gwangju, Korea, Republic Of Korea**P1-101****Risk Factors For Recurrence Of Ovarian Endometriosis After Laparoscopic Treatment**A. M. G. Pereira<sup>1</sup>, R. G. C. Lopes<sup>1</sup>, D. D. B. Depes<sup>1</sup>, M. S. R. Carvalho<sup>1</sup><sup>1</sup>Gynecological Videoendoscopy, Hospital Do Servidor Publico Estadual - Hsps, São Paulo, Brazil**P1-102****A New Concept Of The Pathogenesis Of Endometriosis. Substantiation Of The Prophylaxis**A. Tikhomirov<sup>1</sup><sup>1</sup>Obstetrics and Gynecology, Moscow Medical Stomatological State University, Moscow, Russian Federation

Topic	Area	Board #
08. <b>Other</b>	BARCELONE	103 to 120

**P1-103****Endometriosis Organisations – A Pivotal Role In The Endometriosis Community  
Endometriosis New Zealand As A Model**D. Bush<sup>1</sup>, N. Johnson, M. East, S. Jones, E. Havell<sup>1</sup>Endometriosis New Zealand, Christchurch, New Zealand**P1-104****Does The Histological Classification Of Endometriosis Change According To Anatomical Location?  
An Analysis Of 215 Samples**M. M. Carneiro<sup>1</sup>, D. M. Rodrigues<sup>2</sup>, P. S. Gouvea<sup>3</sup>, I. D. Filogonio<sup>2</sup>, L. P. Costa<sup>4</sup>, L. R. Machado<sup>2</sup>, I. Avila<sup>2</sup><sup>1</sup>Gynecology and Obstetrics Department, UFMG Universidade Federal De Minas Gerais- UFMG, <sup>2</sup>Gynecologic Clinic, <sup>3</sup>Pathology Clinic,<sup>4</sup>Coloproctology Clinic, Biocor Hospital, Belo Horizonte, Brazil**P1-105****Endometriosis And Relationships: An Inclusive Look At The Joint Journey Of Suffers And Their Partners**A. D. Dance<sup>1</sup><sup>1</sup>Master of Arts in Women's Studies, Suffolk University, Boston, United States**P1-106****The Expression Of Lysine-Specific Demethylase 1 (LSD1) In The Human Cyclic Endometrium  
And Endometriosis**D. Ding<sup>1</sup>, S. Guo<sup>2</sup>, X. Liu<sup>2</sup><sup>1</sup>Ob/Gyn, <sup>2</sup>Shanghai Ob/Gyn Hospital, Shanghai, China**P1-107****Bone Marrow Derived-Mononuclear Stem Cells Transplantation In The Treatment Of Surgically-Induced  
Endometriosis In An Animal Model**W. Kondo<sup>1</sup>, E. A. dal Lago<sup>1</sup>, J. C. Francisco<sup>1</sup>, L. de Noronha<sup>1</sup>, L. C. Guarita-Souza<sup>1</sup>, V. F. Do Amaral<sup>2, 3</sup>,  
and Rossana Baggio Simeoni, Ana Paula Camargo Martins, Marina Luise Viola de Azevedo, Carolina Chaves Ferreira,  
Priscila Maestrelli<sup>1</sup>Center For Health And Biological Sciences, <sup>2</sup>Gynecology Center For Health And Biological Scienc, Pontificia Universidade Catolica Do Parana,<sup>3</sup>Obstetrics And Gynecology, Federal University Of Parana, Curitiba, Brazil**P1-108****Endometriosis In Obstetric Emergency**J. O. D. A. Falcão Jr<sup>1, 2</sup>, W. E. Silva Jr<sup>2</sup>, A. C. D. S. Rezende<sup>2</sup><sup>1</sup>Obstetrics And Gynecology Group, Federal University Of São João Del Rei, Divinópolis, <sup>2</sup>obstetrics And Gynecology Group, Mater Dei Hospital, Belo Horizonte, Brazil**P1-109****Utilization Of Health Services Among Endometriosis Patients Followed By Primary Care Physicians  
And Gynecologists In Puerto Rico**J. Fourquet<sup>1</sup>, M. Bayona<sup>2</sup>, C. Alvarez-Garriga<sup>2</sup>, X. Gao<sup>3</sup>, W. Rivera-Sáez<sup>4</sup>, I. Flores<sup>1</sup><sup>1</sup>Microbiology, <sup>2</sup>Public Health, Ponce School of Medicine and Health Sciences, Ponce, Puerto Rico, <sup>3</sup>Health Outcomes Research, Pharmerit, Bethesda, United States, <sup>4</sup>Health Guidance, Humana Puerto Rico, San Juan, Puerto Rico**P1-110****TGF-BETAS Stimulate Secretion Of PAI-1 And MMP2 Of Endometrial And Endometriotic Cells  
Via SMAD2/3 And ERK1/2**C. Sui<sup>1</sup>, D. Zoltan<sup>1</sup>, K. Hersemeyer<sup>1</sup>, H.-R. Tinneberg<sup>1</sup>, L. Konrad<sup>1</sup><sup>1</sup>Department of Gynecology and Obstetrics, University Of Giessen, Giessen, Germany

**P1-111****Constitutive And TNF-Induced Activation Of Transcriptional Factors NF-KB And AP-1 In Adenomyosis**

B. Li<sup>1</sup>, X. Liu<sup>1</sup>, S.-W. Guo<sup>1</sup>

<sup>1</sup>Shanghai Ob/Gyn Hospital, Fudan University, shanghai, China

**P1-112****Spontaneous Postpartum Hemoperitoneum In Primipara With Decidualized Pelvic Endometriosis: Case Report**

M. Mabrouk<sup>1, 2</sup>, C. Alboni<sup>3</sup>, G. Gibertini<sup>4</sup>, S. Neri<sup>5</sup>, C. Tondi<sup>4</sup>, I. Algeri<sup>6</sup>, F. Pazzoni<sup>6</sup>, S. Malmusi<sup>6</sup>, G. Ghirardini<sup>1</sup>

<sup>1</sup>Ob& Gyn, New Civil Hospital of Sassuolo, Sassuolo, Modena, Italy, <sup>2</sup>Ob& Gyn, Alexandria University, Alexandria, Egypt, <sup>3</sup>OB& GYN, New Civil Hospital of Sassuolo, Modena, Italy, <sup>4</sup>Surgery, New Civil Hospital of Sassuolo, Sassuolo, Modena, <sup>5</sup>Surgery, New Civil Hospital of Sassuolo, Sassuolo, Modena, <sup>6</sup>Ob& Gyn, New Civil Hospital of Sassuolo, Sassuolo, Modena, Italy

**P1-113****Serologic Autoimmune Abnormalities In Endometriosis Patients**

M. A. Martínez-Zamora<sup>1</sup>, J. L. C. Coloma<sup>1</sup>, F. Carmona<sup>1</sup>, O. Viñas<sup>2</sup>, G. Espinosa<sup>3</sup>, R. Cervera<sup>3</sup>, D. Tassies<sup>4</sup>, J. C. Reverter<sup>4</sup>, J. Balasch<sup>1</sup>

<sup>1</sup>Institut Clínic of Gynecology, Obstetrics and Neonatology, <sup>2</sup>Immunology Service, <sup>3</sup>Autoimmune diseases Unit, <sup>4</sup>Haemotherapy and Haemostasis Unit, Hospital Clínic of Barcelona, Barcelona, Spain

**P1-114****Cell Proliferation Effect Of GNRH Agonist On Pathologic Lesions Of Women With Endometriosis, Adenomyosis And Uterine Myoma**

O. Jo<sup>1</sup>, K. Khan<sup>1</sup>, M. Kitajima<sup>1</sup>, K. Hiraki<sup>1</sup>, A. Fujishita<sup>2</sup>, H. Masuzaki<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, Nagasaki University School of Medicine, <sup>2</sup>Department of Obstetrics and Gynecology, Nagasaki Saiseikai Hospital, Nagasaki, Japan

**P1-115****Minimally Invasive Laparoscopic Management Of Ureteral Endometriosis. Analysis Of 36 Cases With A Mean Follow Up Of 18 Months**

R. M. Neme<sup>1, 2</sup>, H. F. Brudniewski<sup>1, 2</sup>, W. J. Chen<sup>1</sup>, O. G. Kaufmann<sup>1, 2</sup>

<sup>1</sup>Centro de Endometriose, <sup>2</sup>Albert Einstein Hospital, São Paulo, Brazil

**P1-116****Endosalpingiosis Is Not A Variant Of Endometriosis**

L. R. Prentice<sup>1, 2</sup>, N. Johnson<sup>1, 2</sup>, A. Stewart<sup>2</sup>, S. Mohiuddin<sup>1</sup>

<sup>1</sup>Fertility Plus Clinic, Auckland District Health Board, <sup>2</sup>University of Auckland, Auckland, New Zealand

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G. M. D. S. S. Safe<sup>1, 2</sup>, J. D. V. Safe<sup>1</sup>

<sup>1</sup>Endometriosis, Safeendometriose, Belo Horizonte, <sup>2</sup>Gynecologie, Unec, Caratinga, Brazil

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M. V. Samoylova<sup>1</sup>, V. Benyuk<sup>1</sup>, O. Tanko<sup>2</sup>, E. Blagoveshchenskiy<sup>2</sup>

<sup>1</sup>Obstetrics and gynecology #3, National O.O. Bogomolets Medical University, Kyiv, <sup>2</sup>Obstetrics and Gynecology #2, Kharkiv National Medical University, Kharkiv, Ukraine

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G. mignemi<sup>1</sup>, D. raimondo<sup>1</sup>, C. facchini<sup>1</sup>, S. del forno<sup>1</sup>, G. montanari<sup>1</sup>, C. vicenzi<sup>1</sup>, S. alvisi<sup>1</sup>, E. geraci<sup>1</sup>, M. mabrouk<sup>2</sup>, R. Seracchioli<sup>1</sup>

<sup>1</sup>Minimally Invasive Gynaecological Surgery Unit, S.Orsola-Malpighi University Hospital, Bologna, Italy, <sup>2</sup>Department of Obstetrics and Gynaecology, Alexandria University, Alexandria, Egypt

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**Patients With Endometriosis Of The Rectosigmoid Have A Higher Percentage Of Natural Killer Cells In Peripheral Blood. A Novel Biomarker For Advanced Disease?**

J. A. Dias Jr<sup>1</sup>, S. Podgaec<sup>1</sup>, R. Oliveira<sup>2</sup>, L. V. Rizzo<sup>3</sup>, E. C. Baracat<sup>1</sup>, M. S. Abrão<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, São Paulo University, São Paulo, Brazil, USP, <sup>2</sup>RDO Diagnósticos Médicos, São Paulo, Brazil, <sup>3</sup>Albert Einstein Jewish Institute for Education and Research, São Paulo, Brazil

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**Transvaginal Ultrasound With Bowel Preparation Is A Reliable Method For Pre-Operative Staging Of Endometriosis**

M. S. Abrão<sup>1</sup>, M. O. C. Gonçalves<sup>2</sup>, J. A. Dias Jr<sup>1</sup>, L. A. Mattos<sup>2</sup>, S. Podgaec<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, University of São Paulo Medical School, Brazil, USP, <sup>2</sup>Digimagem and RDO Medical Diagnosis, São Paulo, Brazil

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**Diagnostic Accuracy Of Magnetic Resonance Imaging (MRI) And Added Value Of Transvaginal Ultrasonography (US) In Deep Pelvic Endometriosis**

M. Aubret<sup>1</sup>, D. Da Ines<sup>2</sup>, V. petitcolin<sup>2</sup>, J. M. garcier<sup>2</sup>, N. bourdel<sup>2</sup>, K. jardon<sup>2</sup>, M. canis<sup>2</sup>

<sup>1</sup>CHU Gabriel Montpied, <sup>2</sup>CHU Estaing, Clermont-Ferrand, France

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**Rectosigmoid Endometriosis: What Imaging Modalities Are Useful To The Surgeon?**

A. Pellot<sup>1</sup>, E. Petit<sup>1,2</sup>, O. Marty<sup>1</sup>, V. Molinié<sup>1</sup>, V. Duchatelle<sup>1</sup>, E. Sauvanet<sup>1</sup>, J. Loriau<sup>1</sup>

<sup>1</sup>Groupe hospitalier Paris Saint-Joseph, <sup>2</sup>CIMI, Paris, France

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**Luminex Multiplexing Analysis Of Cytokines In Peritoneal Fluid Of Endometriosis Patients As A Function Of The Menstrual Cycle Stage**

N. A. Bersinger<sup>1</sup>, H. Dechaud<sup>2</sup>, B. McKinnon<sup>3</sup>, M. D. Mueller<sup>1</sup>

<sup>1</sup>Obstetrics and Gynaecology, University of Berne, Berne, Switzerland, <sup>2</sup>Obstetrics and Gynaecology, University of Montpellier, Berne, France, <sup>3</sup>Clinical Research, University of Berne, Berne, Switzerland

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**Evaluation Of MR Diffusion-Weighted Imaging In Differentiating Endometriosis Infiltrating The Bowel From Colorectal Carcinoma**

M. P. H. Busard<sup>1</sup>, I. C. Pieters-van den Bos<sup>1</sup>, V. Mijatovic<sup>2</sup>, C. van Kuijk<sup>1</sup>, M. C. G. Bleeker<sup>3</sup>, J. H. T. M. van Waesberghe<sup>1</sup>

<sup>1</sup>Radiology, <sup>2</sup>Reproductive Medicine, <sup>3</sup>Pathology, VU Medical Center, Amsterdam, Netherlands

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**Deep Infiltrating Endometriosis Of The Bowel: Mr Imaging As A Method To Predict Muscular Invasion**

M. P. H. Busard<sup>1</sup>, L. E. E. van der Houwen<sup>2</sup>, M. C. G. Bleeker<sup>3</sup>, I. C. Pieters-van den Bos<sup>1</sup>, M. A. Cuesta<sup>4</sup>, C. van Kuijk<sup>1</sup>, V. Mijatovic<sup>2</sup>, P. G. A. Hompes<sup>2</sup>, J. H. T. M. van Waesberghe<sup>1</sup>

<sup>1</sup>Radiology, <sup>2</sup>Reproductive Medicine, <sup>3</sup>Pathology, <sup>4</sup>Gastrointestinal Surgery, VU Medical Center, Amsterdam, Netherlands

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**Mr Imaging Of Bladder Endometriosis And Its Relationship With The Anterior Uterine Wall: Experience In A Tertiary Referral Centre**

M. P. H. Busard<sup>1</sup>, V. Mijatovic<sup>2</sup>, A. B. Luchinger<sup>2</sup>, M. C. G. Bleeker<sup>3</sup>, I. C. Pieters-van den Bos<sup>1</sup>, R. Schats<sup>2</sup>, C. van Kuijk<sup>1</sup>, P. G. A. Hompes<sup>2</sup>, J. H. T. M. van Waesberghe<sup>1</sup>

<sup>1</sup>Radiology, <sup>2</sup>Reproductive Medicine, <sup>3</sup>Pathology, VU Medical Center, Amsterdam, Netherlands

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M. A. Chakra<sup>1</sup>, A. Hestiantoro<sup>1</sup>, A. A. Jusuf<sup>2</sup>

<sup>1</sup>Obstetric and Gynecologic Department, <sup>2</sup>Histology Department, Faculty of Medicine University of Indonesia, Jakarta Pusat, Indonesia

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S. Cho<sup>1</sup>, Y. S. Choi<sup>1</sup>, Y. E. Jeon<sup>1</sup>, K. J. Im<sup>1</sup>, Y. M. Choi<sup>1</sup>, H. Y. Kim<sup>1</sup>, S. K. Seo<sup>1</sup>, B. S. Lee<sup>1</sup>

<sup>1</sup>Obstetrics & Gynecology, Yonsei University College of Medicine, Seoul, Korea, Republic Of Korea

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**Oxidative Stress In Evolution Of Adenomyosis**

N. Codreanu<sup>1</sup>

<sup>1</sup>State Medical And Pharmaceutical University "Nicolae Testemitanu", Chisianu, Moldova

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C. Edgren<sup>1</sup> and S. Salminen, H. Pasuri, J. Virtanen, A. Perheentupa, J. Mäkinen

<sup>1</sup>OB/GYN, Turku University Hospital, Turku, Finland

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**Plasma SELDI-TOF MS Proteomic Analysis For The Diagnosis Of Ultrasound Negative Endometriosis**

A. Fassbender<sup>1</sup>, E. Waelkens<sup>1</sup>, N. Verbeeck<sup>1</sup>, C. Kyama<sup>1</sup>, A. Bokor<sup>1</sup>, A. Vodolazkaia<sup>1</sup>, C. Meuleman<sup>2</sup>, F. Ojeda<sup>1</sup>, B. De Moor<sup>1</sup>, T. D'Hooghe<sup>2</sup>

<sup>1</sup>KULeuven, <sup>2</sup>LUFC, Leuven, Belgium

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N. Fratelli<sup>1</sup>, M. Scioscia<sup>1,\*</sup>, E. Bassi<sup>1</sup>, M. Musola<sup>1</sup>, L. Minelli<sup>1</sup>, G. Trivella<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynaecology, Sacro Cuore Don Calabria General Hospital, Negrar (VR), Italy

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**Serum HE4 Concentration Is Not Dependent On Menstrual Cycle Or Hormonal Treatment In Endometriosis Patients**

M. Hallamaa<sup>1,2</sup> and P. Suvitie, K. Huhtinen, J. Matomäki, H. Kujari, M. Setälä, P. Härkki, J. Jalkanen, M. Poutanen, A. Perheentupa

<sup>1</sup>Obstetrics and gynecology, Turku University Hospital, <sup>2</sup>Physiology, University of Turku, Turku, Finland

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A. Horne<sup>1</sup>, S. McDonald<sup>1</sup>, S. Jack<sup>2</sup>, M. Birkett<sup>3</sup>, J. Logan<sup>3</sup>, J. Pickett<sup>3</sup>, S. Bhattacharya<sup>4</sup>, P. Fowler<sup>5</sup>

<sup>1</sup>MRC Centre for Reproductive Health, University of Edinburgh, Edinburgh, <sup>2</sup>Obstetrics and Gynaecology, Aberdeen Royal Infirmary, Aberdeen, <sup>3</sup>Rothamsted Research, Harpenden, <sup>4</sup>Applied Health Sciences, <sup>5</sup>Centre for Reproductive Endocrinology and Medicine, University of Aberdeen, Aberdeen, United Kingdom

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**Is Experience Of Sonographers Sufficient To Diagnose Deep Infiltrating Endometriosis And Bowel Involvement By TVUS?**

A. Rosefort<sup>1</sup>, C. Huchon<sup>1,2</sup>, S. estrade<sup>1,2</sup>, C. muratorio<sup>1</sup>, J.-P. Bernard<sup>1</sup>, A. Fauconnier<sup>1,2</sup>

<sup>1</sup>Department of Gynaecology and Obstetrics, CHI Poissy-St-Germain, Poissy, <sup>2</sup>University Versailles Saint-Quentin en Yvelines, Versailles, France

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**Correlation Between Clinical Features And Endometriotic Lesions In Vesico-Uterine Pouch**

T. M. Igarashi<sup>1</sup>, A. Komura<sup>1</sup>, K. Terada<sup>1</sup>, T. Nagasaka<sup>1</sup>, M. Miyashita<sup>1</sup>, Y. Nakamura<sup>1</sup>, N. Ochiai<sup>1</sup>, K. Nakagawa<sup>1</sup>, S. Yabe<sup>1</sup>, S.-G. Liang<sup>1</sup>

<sup>1</sup>Ob/Gyn, Teikyo University Chiba Medical Center, Ichihara, Japan

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A. Kondo<sup>1</sup>, E. Nakamura<sup>1</sup>, K. Goya<sup>1</sup>, H. Ishimoto<sup>1</sup>, S. Izumi<sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, Tokai University School Of Medicine, Isehara, Japan

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**MRI Findings Of Deeply Infiltrating Endometriosis With Surgical And Pathological Correlation**

Y. T. Lim<sup>1</sup>, Y. J. Kim<sup>2</sup>, D. J. Chung<sup>2</sup>, Y. S. Kim<sup>2</sup>, J. M. Lee<sup>2</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, <sup>2</sup>Department of Radiology, The Catholic University Of Korea, Seoul, Korea

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A. D. Ebert<sup>1</sup>, G. Halis<sup>2</sup>, S. Mechsner<sup>3</sup>, K.-W. Schweppe<sup>4</sup>, P. Sydow<sup>5</sup>, A. Schmitz<sup>6</sup>, J. Kraetzschmar<sup>6</sup>, H. Schmitz<sup>6</sup>, K. Machens<sup>6</sup>, D. Hornung<sup>7</sup>

<sup>1</sup>Vivantes Humboldt-Klinikum, <sup>2</sup>Kinderwunsch- und Endometriosezentrum Berlin, <sup>3</sup>Charité-Universitätsmedizin, CBF, Klinik für Gynäkologie, Berlin, <sup>4</sup>Endometriose-Zentrum Ammerland, Westerstede, <sup>5</sup>PraxisKlinik für Fertilität, <sup>6</sup>Bayer Healthcare Pharmaceuticals, Berlin, <sup>7</sup>Endometriosezentrum Lübeck, Universität Schleswig-Holstein, Lübeck, Germany

**P2-142****Endothelial Progenitor Cells In Endometriosis**K. May<sup>1</sup>, C. Becker<sup>1</sup><sup>1</sup>Nuffield Department of Obstetrics and Gynaecology, University of Oxford, Oxford, United Kingdom**P2-143****Targeted Nanoparticles For The Early Diagnosis Of Endometriosis**T. A. Newman<sup>1</sup>, N. Shreeve<sup>1</sup>, J. Bailey<sup>1</sup>, K. Zisimopoulou<sup>1</sup>, A. Johnston<sup>2</sup>, K. Sadek<sup>1</sup>, Y. Cheong<sup>1</sup><sup>1</sup>Medicine, <sup>2</sup>Biological Sciences, University Of Southampton, Southampton, United Kingdom**P2-144****A Unique Plasma Microrna Expression Profile Is Identified In Women With Endometriosis**V. Nisenblat<sup>1</sup>, C. Print<sup>2</sup>, S. Evans<sup>3</sup>, M. Ohlsson-Teague<sup>1</sup>, S. Robertson<sup>1</sup>, L. Hull<sup>1</sup><sup>1</sup>The Robinson Institute, University of Adelaide, Adelaide, Australia, <sup>2</sup>New Zealand Bioinformatics Institute, Auckland, New Zealand, <sup>3</sup>The University of Adelaide, Adelaide, Australia**P2-145****Endometriosis Of The Liver**B. Oriol<sup>1</sup>, V. Seifert-Klauss<sup>1</sup>, M. Kiechle<sup>1</sup><sup>1</sup>Klinikum rechts der Isar der TUM, Munich, Germany**P2-146****Evaluation Of CA-125 And Soluble CD-23 In Patients With Pelvic Endometriosis**I. M. D. L. Ramos<sup>1</sup>, S. Podgaec<sup>1</sup>, R. D. Oliveira<sup>2</sup>, P. Fagundes<sup>1</sup>, E. C. Baracat<sup>1</sup>, M. S. Abrão<sup>1</sup><sup>1</sup>Department of Obstetrics and Gynecology, São Paulo University, USP, <sup>2</sup>RDO Diagnósticos Médicos, São Paulo, Brazil**P2-147****Value Of 3T Pelvic MRI Imaging In The Pre-Operative Assessment Of Deep Infiltrating Endometriosis**B. Lanka<sup>1</sup>, L. Ravikanti<sup>2</sup>, V. P. Singh<sup>2</sup><sup>1</sup>Radiology, <sup>2</sup>Gynaecology, Waikato Hospital, Hamilton, New Zealand**P2-148****Can We Predict Ovarian Fixation Using Pre-Operative Real-Time Transvaginal Ultrasound In Women Undergoing Laparoscopy For Endometriosis?**S. Reid<sup>1</sup>, S. Winder<sup>1</sup>, C. Lu<sup>1</sup>, G. Reid<sup>2</sup>, G. Condous<sup>1</sup><sup>1</sup>Acute Gynaecology, Early Pregnancy and Advanced Endosurgery Unit, University of Sydney, Nepean Hospital, <sup>2</sup>Sydney Women's Endosurgery Centre, Sydney, Australia**P2-149****Is There A Relationship Between Site-Specific Tenderness At Pre-Operative Transvaginal Ultrasound And Endometriosis Location At Laparoscopy?**S. Reid<sup>1</sup>, S. Winder<sup>1</sup>, C. Lu<sup>1</sup>, G. Reid<sup>2</sup>, G. Condous<sup>1</sup><sup>1</sup>Acute Gynaecology, Early Pregnancy and Advanced Endosurgery Unit, University of Sydney, Nepean Hospital, <sup>2</sup>Sydney Women's Endosurgery Centre, Sydney, Australia**P2-150****Can We Predict Posterior Compartment Deep Infiltrating Endometriosis (DIE) Using Office Sonovaginography (SVG) In Women Undergoing Laparoscopy For Chronic Pelvic Pain?**S. Reid<sup>1</sup>, S. Winder<sup>1</sup>, C. Lu<sup>1</sup>, G. Reid<sup>2</sup>, G. Condous<sup>1</sup><sup>1</sup>Acute Gynaecology, Early Pregnancy and Advanced Endosurgery Unit, University of Sydney, Nepean Hospital, <sup>2</sup>Sydney Women's Endosurgery Centre, Sydney, Australia**P2-151****Sonovaginography: Redefining The Concept Of A "Normal Pelvis" On Transvaginal Ultrasound Pre-Laparoscopic Intervention For Suspected Endometriosis**S. Reid<sup>1</sup>, S. Winder<sup>1</sup>, C. Lu<sup>1</sup>, G. Reid<sup>2</sup>, G. Condous<sup>1</sup><sup>1</sup>Acute Gynaecology, Early Pregnancy and Advanced Endosurgery Unit, University of Sydney, Nepean Hospital, <sup>2</sup>Sydney Women's Endosurgery Centre, Sydney, Australia**P2-152****Magnetic Resonance Imaging Of Pelvic Endometriosis. Effect Of Reader's Experience On Accuracy And Interobserver Variability**G. Restaino<sup>1</sup>, M. Missere<sup>1</sup>, G. Maselli<sup>1</sup>, G. Carone<sup>2</sup>, F. Legge<sup>2</sup>, G. Sallustio<sup>1</sup><sup>1</sup>Radiology, <sup>2</sup>Gynecological Oncology, Catholic University Campobasso, Campobasso, Italy**P2-153****The Value Of Transvaginal Ultrasound (TVUS) With Vaginal Gel Distension In The Diagnosis Of Deep Infiltrating Endometriosis (DIE)**P. A. Ribeiro<sup>1</sup>, A. L. De Nicola<sup>1</sup>, H. S. Abdalla Ribeiro<sup>1</sup>, L. Rossini<sup>2</sup>, M. Ramin<sup>3</sup><sup>1</sup>Obstetrics And Gynecology, <sup>2</sup>Peroral Endoscopy, <sup>3</sup>Radiology, Santa Casa Medical School, Sao Paulo, Brazil

**P2-154****Serum Activin A And Follistatin Levels In Women With Peritoneal, Ovarian And Deep Infiltrating Endometriosis**

F. M. Reis<sup>1</sup>, S. Luisi<sup>2</sup>, M. S. Abrão<sup>3</sup>, A. L. L. Rocha<sup>1, 2</sup>, P. Viganò<sup>4</sup>, C. P. Rezende<sup>1</sup>, P. Florio<sup>2</sup>, F. Petraglia<sup>2</sup>

<sup>1</sup>Gynecology and Obstetrics, Federal University Of Minas Gerais, Belo Horizonte, Brazil, <sup>2</sup>Department of Pediatrics, Obstetrics and Reproductive Medicine, Università di Siena, Siena, Italy, <sup>3</sup>Endometriosis Unit, University of São Paulo, São Paulo, Brazil, <sup>4</sup>Center for Research in Obstetrics and Gynecology, Milan, Italy

**P2-155****Computed Tomography-Based Virtual Colonoscopy And Conservative Surgery Of The Deep Endometriosis Infiltrating The Rectum And The Sigmoid Colon: Effects Of Shaving And Disc Excision On The Digestive Tract Stenosis**

M. Vassilief<sup>1</sup>, H. Roman<sup>1</sup>, C. Savoye-Collet<sup>2</sup>, O. Suaud<sup>2</sup>, C. Da Costa<sup>2</sup>, H. Belhiba<sup>2</sup>, V. Bridoux<sup>3</sup>, J.-J. Tuech<sup>3</sup>, L. Marpeau<sup>1</sup>

<sup>1</sup>Obstetrics And Gynecology, <sup>2</sup>Radiology, <sup>3</sup>Digestive Surgery, Rouen University Hospital, Rouen, France

**P2-156****Endometriosis Diagnosis By Gadofosveset-Trisodium Enhanced Magnetic Resonance Imaging**

M. Schreinemacher<sup>1</sup>, B. Delvoux<sup>2</sup>, S. Xanthoulea<sup>3</sup>, J. Slenter<sup>4</sup>, W. Backes<sup>4</sup>, H. Evers<sup>2</sup>, G. Dunselman<sup>2</sup>, A. Romano<sup>2</sup>

<sup>1</sup>Surgery, <sup>2</sup>Obstetrics and Gynaecology, <sup>3</sup>Plastic Surgery, <sup>4</sup>Radiology, Maastricht University and Medical Centre, Maastricht, Netherlands

**P2-157****Relationship Neutrophil/Lymphocyte And CA-125 In The Diagnosis Of Endometriosis In Women With Chronic Pelvic Pain**

J. C. Rosa-E-Silva<sup>1</sup>, R. M. F. Daher<sup>1</sup>, O. B. Poli Neto<sup>1</sup>, W. P. Martins<sup>1</sup>, F. J. Candido-dos-Reis<sup>1</sup>, A. A. Nogueira<sup>1</sup>

<sup>1</sup>Gynecology And Obstetrics, School Of Medicine Of Ribeirão Preto, Ribeirão Preto, Brazil

**P2-158****Sensitivity Of Fine Needle Aspiration Guided By Transrectal Ultrasound (TRUS-FNA) Or Endoscopic Ultrasound (EUS-FNA) In The Histological Diagnosis Of Intestinal Endometriosis**

L. G. B. Rossini<sup>1, 2</sup>, R. Colaiacovo<sup>1</sup>, M. S. Assef<sup>1</sup>, N. C. Schneider<sup>1</sup>, S. S. Filippi<sup>1</sup>, G. C. Rossini<sup>3</sup>, F. C. Martins<sup>4</sup>,

P. A. A. G. Ribeiro<sup>5</sup> and CFBEUS (French-Brazilian Center of Endoscopic Ultrasound)

<sup>1</sup>Endoscopy, Faculdade de Medicina Santa Casa de São Paulo, <sup>2</sup>Endoscopy, Hospital Sírio Libanês, <sup>3</sup>Universidade Santo Amaro, <sup>4</sup>surgery, <sup>5</sup>Gynecology, Faculdade de Medicina Santa Casa de São Paulo, São Paulo, Brazil

**P2-159****Role Of Three-Dimensional Anorectal Ultrasonography In The Assessment Of Deep Pelvic Endometriosis**

D. Galletto<sup>1</sup> on behalf of Centro de Referencia em endometriose, D. M. D. R. Lima<sup>1</sup>, U. E. Sagae<sup>1</sup>, M. W. Bonatto<sup>1</sup>, T. M. Tanaka<sup>1</sup>, N. Cavalli<sup>1</sup>, L. M. Sagae<sup>1</sup> and Centro De referencia em endometriose

<sup>1</sup>Centro de Referencia em Endometriose, Hospital Genesis, Cascavel - Parana, Brazil

**P2-160****Diagnostic Value Of Serum MCP-1 Level And GSTM1 Gene Polymorphism In Egyptian Women With Endometriosis**

M. E. E. Salem<sup>1</sup>, D. A. Salem<sup>2</sup>, E. M. Obaya<sup>2</sup>, M. M. Mostafa<sup>2</sup>

<sup>1</sup>Obstetrics and Gynaecology, <sup>2</sup>Biochemistry, Kasr Alainy Hospital, Cairo University, Cairo, Egypt

**P2-161****Comparison Of Uterus Volume Measurements In Patients With Adenomyosis Using Two-Dimensional And Three-Dimensional Ultrasound**

H. Y. Cho<sup>1</sup>, S. K. Seo<sup>1</sup>, S. Cho<sup>1</sup>, Y. S. Choi<sup>1</sup>, B. S. Lee<sup>1</sup>

<sup>1</sup>Obstetrics & Gynecology, Yonsei University Health System, Seoul, Korea

**P2-162****The Development Of Mice Anti-Human Gremlin 1 Monoclonal Antibody Available To Elisa Assay For Peripheral Blood Examination**

G. Sha<sup>1</sup>, J. Lang<sup>1</sup>, J. Leng<sup>1</sup>, Y. Dai<sup>1</sup>, X. Zhang<sup>2</sup>

<sup>1</sup>Ob & Gyn, Peking Union Medical College Hospital, <sup>2</sup>Ob & Gyn, Beijing Chaoyang Hospital, Beijing, China

**P2-163****The Modern View To Diagnostic Of Adenomyosis**

A. Sorokina<sup>1</sup>, V. Radzinsky<sup>1</sup>, M. Khamoshina<sup>1</sup>, G. Totchiev<sup>1</sup>, R. Ziganshin<sup>2</sup>, G. Arapidi<sup>2</sup>, S. Morozov<sup>3</sup>

<sup>1</sup>Department of Obstetrics and Gynecology with the course of Perinatology, Medical faculty People's Friendship University of Russia,

<sup>2</sup>Proteomics laboratory, Shemyakin-Ovchinnikov Institute of Bioorganic Chemistry Russian Academy of Sciences,

<sup>3</sup>Laboratory of clinical immunology, Clinical hospital №29, Moscow, Russian Federation

**P2-164****Diagnostic Performance Of 29 Serum Cytokines And CA125 In Endometriosis**

P. Suvitie<sup>1</sup> and K. Huhtinen, T. Vahlberg, H. Kujari, M. Setälä, P. Härkki, J. Jalkanen, M. Poutanen, A. Perheentupa

<sup>1</sup>OB/GYN and Physiology Dept, Turku University Hospital, Turku, Finland

**P2-165****Any Differences Are There In Ovarian Endometriosis Between Different Age Groups?**

R. Zhou<sup>1</sup>, L. WEI<sup>1</sup>

<sup>1</sup>Peking University People's Hospital, Beijing, China

Topic	Area	Board #
10. Pain	CITADELLE	166 to 186

### P2-166

#### Non-Cystic Intraparenchymatous Ovarian Endometriosis Is Associated With Acyclic Pelvic Pain

L. F. C. Fernandes<sup>1</sup>, S. Podgaec<sup>1</sup>, J. A. Dias Jr<sup>1</sup>, F. M. Carvalho<sup>2</sup>, A. C. Poppe<sup>1</sup>, L. F. Henrique<sup>1</sup>, M. S. Abrão<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, University of São Paulo Medical School, <sup>2</sup>Department of Pathology, University of São Paulo Medical School, USP, São Paulo, Brazil

### P2-167

#### Characterisation Of Sympathetic And Sensory Nerve Fibers In Adenomyosis

M. L. Barcena De Arellano<sup>1</sup>, J. Oldeweme<sup>1</sup>, J. Bartley<sup>1</sup>, U. Reichelt<sup>2</sup>, S. Mechsner<sup>1</sup>

<sup>1</sup>Endometriosis research centre, <sup>2</sup>Department of Pathology, Charite Campus Benjamin Franklin, Berlin, Germany

### P2-168

#### Detection Of PGP9.5 By Immunohistochemistry And Quantitative PCR In Eutopic Endometrium From Women With And Without Endometriosis

N. Tokushige<sup>1</sup>, B. McKinnon<sup>2</sup>, H. Barrera Villa Zevallos<sup>3</sup>, M. D. Mueller<sup>4</sup>, I. S. Fraser<sup>3</sup>, N. A. Bersinger<sup>4</sup>

<sup>1</sup>Pain Management Research, Kolling Institute of Medical Research, University of Sydney, Sydney, Australia, <sup>2</sup>Clinical Research, University of Berne, Berne, Switzerland, <sup>3</sup>Queen Elizabeth II Research Institute for Mothers and Infants, University of Sydney, Sydney, Australia, <sup>4</sup>Obstetrics and Gynaecology, University of Berne, Berne, Switzerland

### P2-169

#### Novel Peritoneal Fluid Markers And Their Correlation With Endometriosis And Different Types Of Pain

N. A. Bersinger<sup>1</sup>, B. McKinnon<sup>2</sup>, P. Kostov<sup>1</sup>, A. Kuhn<sup>1</sup>, M. D. Mueller<sup>1</sup>

<sup>1</sup>Obstetrics and Gynaecology, <sup>2</sup>Clinical Research, University of Berne, Berne, Switzerland

### P2-170

#### Employers, Endometriosis And Pelvic Pain: To What Extent Does Pelvic Pain Impact On Employment?

J. Birch<sup>1</sup>, J. Hough<sup>1</sup>, J. Birch<sup>1</sup>, J. Harvey<sup>1</sup>, M. Zaragoza<sup>1</sup>, E. Gill<sup>1</sup>, R. Zillwood<sup>1</sup>

<sup>1</sup>Pelvic Pain Support Network, Poole, United Kingdom

### P2-171

#### To What Extent Are Patient Views And Preferences Regarding Medication For Endometriosis Taken Into Account During Consultations With Health Professionals ?

J. Birch<sup>1</sup>, J. Hough<sup>1</sup>, J. Birch<sup>1</sup>, J. Harvey<sup>1</sup>, M. Zaragoza<sup>1</sup>, E. Gill<sup>1</sup>, R. Zillwood<sup>1</sup>

<sup>1</sup>Pelvic Pain Support Network, Poole, United Kingdom

### P2-172

#### Long Term Predictors Of Pain Following Surgery For Endometriosis

E. T. Carey<sup>1</sup>, M. T. Siedhoff<sup>1</sup>, L. Vinikoor<sup>2</sup>, S. As-Sanie<sup>3</sup>, D. A. Zolnoun<sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Epidemiology, University of North Carolina, Chapel Hill, <sup>3</sup>Obstetrics and Gynecology, University of Michigan, Ann Arbor, United States

### P2-173

#### Fibromyalgia And Chronic Fatigue Syndrome Screening Among Superficial And Deep Infiltrating Endometriosis Patients

J. L. Coloma<sup>1</sup>, M. A. Martínez-Zamora<sup>1</sup>, F. Carmona<sup>1</sup>, A. Collado<sup>2</sup>, J. Balasch<sup>1</sup>

<sup>1</sup>Institut Clínic of Gynecology, Obstetrics and Neonatology, <sup>2</sup>Rheumatology Service, Hospital Clínic of Barcelona, Barcelona, Spain

### P2-174

#### The Anatomical Distribution Of Pelvic Deep Infiltrating Endometriosis And Its Relationship With Pain Symptoms

Y. Dai<sup>1</sup>, J. Leng<sup>1</sup>, J. Lang<sup>1</sup>

<sup>1</sup>Obstetrics & Gynecology, Peking Union Medical College Hospital, Beijing, China

### P2-175

#### Women's-Based And Physicians'-Based Descriptions Of Symptoms Of Endometriosis: A Qualitative Study

A. Fauconnier<sup>1</sup>, P. Panel<sup>2</sup>, H. Roman<sup>3</sup>, P. Decamps<sup>4</sup>

<sup>1</sup>Department of Gynaecology & Obstetrics, Centre Hospitalier Intercommunal de Poissy – Saint-Germain, University of Versailles Saint-Quentin (UVSQ), Poissy, <sup>2</sup>Department of Gynaecology & Obstetrics, Centre Hospitalier de Versailles, Le Chesnay, <sup>3</sup>Department of Gynaecology and Obstetrics, Centre Hospitalier Universitaire "Charles Nicolle", Rouen, <sup>4</sup>Gynaecology and Obstetrics, CHU Angers, Angers, France

### P2-176

#### The High Expression Of Brain-Derived Neurotrophic Factor (BDNF) And Truncated Tyrosine Kinase B Receptor (TRKB) In Ovarian Endometriomas

Y. Goto<sup>1</sup>, Y. Kametani<sup>2</sup>, Y. Nishijima<sup>1</sup>, T. Hirasawa<sup>1</sup>, T. Muramatsu<sup>1</sup>, M. Mikami<sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Immunology, Tokai University School Of Medicine, Kanagawa, Japan

**P2-177****Treatment Of Mouse Endometriosis With An Anti-L1CAM MAB (L1 Cell Adhesion Molecule, CD 171)**D. Hornung<sup>1</sup>, P. Hunold<sup>2</sup>, F. Koester<sup>1</sup>, H.-P. Altevogt<sup>3</sup>, D. Finas<sup>1</sup><sup>1</sup>Gynecology and Obstetrics, <sup>2</sup>Radiology and Nuclear Medicine, University Of Schleswig-Holsten, Campus Luebeck, Luebeck, <sup>3</sup>German Cancer Research Center, University of Heidelberg, Heidelberg, Germany**P2-178****Nerve Fibers In The Eutopic Endometrium Of Endometriosis Patients Do Not Correlate With Pain**A. L. Hsu<sup>1, 2</sup>, M. Quezado<sup>3</sup>, M. Raffeld<sup>3</sup>, N. Sinaii<sup>4</sup>, J. Segars<sup>1</sup>, P. Stratton<sup>1</sup><sup>1</sup>Program in Reproductive and Adult Endocrinology, NICHD, NIH, Bethesda, MD, <sup>2</sup>Obstetrics and Gynecology, George Washington University School of Medicine and Health Sciences, Washington, DC, <sup>3</sup>Department of Pathology, NCI, <sup>4</sup>Biostatistics and Clinical Epidemiology Service, Clinical Center, NIH, Bethesda, MD, United States**P2-179****Expression Of Nerve Growth Factor And Its Two Receptors: TRKA And P75NTR In Eutopic Endometrium Of Patients With Endometriosis**X. Li<sup>1</sup>, J. LENG<sup>1</sup>, J. LANG<sup>1</sup><sup>1</sup>Obstetrics and Gynecology, Peking Union Medical College Hospital, Beijing, China**P2-180****Pain In Women With Ovarian Endometrioma Is Mostly Associated With Coexisting Peritoneal Lesions**K. Khan<sup>1</sup>, M. Kitajima<sup>1</sup>, K. Hiraki<sup>1</sup>, A. Fujishita<sup>2</sup>, T. Ishimaru<sup>3</sup>, H. Masuzaki<sup>1</sup><sup>1</sup>Department of Obstetrics and Gynecology, Nagasaki University, <sup>2</sup>Department of Obstetrics and Gynecology, Nagasaki Saiseikai Hospital, <sup>3</sup>Department of Obstetrics and Gynecology, Sasebo Chuo Hospital, Nagasaki, Japan**P2-181****Expression Of Neurokinin 1 MRNA And Its Relationship To Menstrual Pain In Endometriotic Lesions**J. Evers<sup>1</sup>, B. D. Mckinnon<sup>2</sup>, N. A. Bersinger<sup>1, 2</sup>, M. D. Mueller<sup>1</sup><sup>1</sup>Department of Obstetrics and Gynaecology, <sup>2</sup>Department of Clinical Research, University of Bern, Bern, Switzerland**P2-182****Evaluation Of The Prevalence Of Chronic Constipation And Irritable Bowel Syndrome In Women With Endometriosis**C. Ploger<sup>1</sup>, S. Miszputen<sup>2</sup>, M. J. B. C. Girão<sup>1</sup>, A. P. D. S. Bispo<sup>1</sup>, A. F. Loureiro<sup>1</sup>, K. Gerencer<sup>1</sup>, G. Kamergorodsky<sup>1</sup>, L. C. Gusmão<sup>1</sup>, E. Schor<sup>1</sup><sup>1</sup>Gynecology, <sup>2</sup>Gastroenterology, Federal University of São Paulo, São Paulo, Brazil**P2-183****Laparoscopic Excision Of Posterior Deep Infiltrating Endometriosis Nodules: Early Results Using A Comprehensive Pain And Quality Of Life (QOL) Questionnaire**A. Protopapas<sup>1</sup>, G. Giannoulis<sup>1</sup>, I. Chatzipapas<sup>1</sup>, S. Athanasiou<sup>1</sup>, D. Haidopoulos<sup>1</sup>, A. Mousiolis<sup>1</sup>, D. Loutradis<sup>1</sup>, A. Antsaklis<sup>1</sup><sup>1</sup>Obstetrics & Gynecology, University Of Athens, Athens, Greece**P2-185****Why r-AFS Classification Needs To Be Revisited? Results On A Prospective Series Of 525 Patients With Histologically Proven Endometriosis**A. Revaux<sup>1</sup>, B. Borghese<sup>1</sup>, C. De Souza<sup>1</sup>, P. Santulli<sup>1</sup>, M.-C. Laffay-Pillet<sup>1</sup>, H. Foulot<sup>1</sup>, D. De Ziegler<sup>1</sup>, C. Chapron<sup>1</sup><sup>1</sup>Department of Gynecology Obstetrics II and Reproductive Medicine, Assistance Publique-Hôpitaux de Paris, Centre Hospitalier Universitaire (CHU) Cochin Saint Vincent de Paul, Paris, France**P2-186****Oxidized Lipids And Pain In Endometriosis**N. Santanam<sup>1</sup>, J. Fahrman<sup>1</sup>, C. Crain<sup>1</sup>, C. Cook<sup>1</sup>, H. King<sup>1</sup>, B. Dawley<sup>2</sup><sup>1</sup>Pharmacology, Physiology, & Toxicology, <sup>2</sup>Gynecology & Obstetrics, Joan C Edwards School Of Medicine, Marshall Univer, Huntington, United States

Topic	Area	Board #
11. Quality of life/Sexuality	CITADELLE	187 to 205

**P2-187****Quality Of Life After Segmental Resection Of The Rectosigmoid By Videolaparoscopy In Patients With Deep Endometriosis**M. A. Bassi<sup>1, 2</sup>, S. Podgaec<sup>1</sup>, J. A. Dias Jr<sup>1</sup>, N. D'Amico-Filho<sup>2</sup>, C. A. Petta<sup>3</sup>, M. S. Abrão<sup>1</sup><sup>1</sup>Department of Obstetrics and Gynecology, University of São Paulo Medical School, São Paulo, Brazil, USP, <sup>2</sup>Hospital Samaritano, São Paulo, <sup>3</sup>Department of Obstetrics and Gynecology, University of Campinas Medical School, UNICAMP, Campinas, Brazil**P2-188****Endometriosis Health Profile – 30 Scores In Brazilian Women With Deep Infiltrating Endometriosis**L. Aragao<sup>1</sup> and Marlon de Freitas Fonseca, Camilla Gabriely, Daniel Liberman, Felipe Ventura Sessa, Márcia Anselmo Rodrigues, Claudio Peixoto Crispi<sup>1</sup>Gynecology, Instituto Fernandes Figueira, Rio de Janeiro, Brazil

**P2-189****Surgical Treatment Of Bowel Endometriosis: Evaluation Of Symptoms And Quality Of Life By A Self-Assessment Questionnaire From A Continuous Series Of 41 Patients**

P. Panel<sup>1</sup>, E. Bailly<sup>1</sup> and Renouvel F, Lethoic A, Zacharopoulou C, Niro J, Fauconnier A

<sup>1</sup>Gynecology & Obstetrics, Centre hospitalier de Versailles, Le Chesnay, France

**P2-190****Elagolix, A Novel Oral GnRH Antagonist Improves Quality Of Life In Women With Endometriosis-Associated Pelvic Pain**

B. Carr<sup>1</sup>, M. Fuldeore<sup>2</sup>, K. Chwalisz<sup>2</sup>, P. Jiang<sup>2</sup>, J. Burke<sup>3</sup>, C. O'Brien<sup>3</sup>, S. Hass<sup>2</sup>

<sup>1</sup>University of Texas Southwestern Medical Center, Dallas, <sup>2</sup>Abbott, Abbott Park, <sup>3</sup>Neurocrine Biosciences, San Diego, United States

**P2-191****Endometriosis And Quality Of Life – An Interdisciplinary Study**

J. M. Curto<sup>1</sup>, M. Tilli<sup>1</sup>, E. Rolla<sup>1</sup>, A. Gonzalez Romero<sup>2</sup>, M. F. Niño<sup>1</sup>, V. Alfaro<sup>3</sup>

<sup>1</sup>UBA, CABA, Argentina, <sup>2</sup>Sociologia, UBA, <sup>3</sup>UNC, CABA, Argentina

**P2-192****Measuring The Impact Of Endometriosis On Health Related Quality Of Life And Work Productivity Among Patients In Puerto Rico**

J. Fourquet<sup>1</sup>, L. Baez<sup>2</sup>, M. Figueroa<sup>2</sup>, I. Iriarte<sup>2</sup>, I. Flores<sup>1</sup>

<sup>1</sup>Microbiology, <sup>2</sup>Public Health, Ponce School of Medicine and Health Sciences, Ponce, Puerto Rico

**P2-193****The Endoteen Program: The Experience Of Pain In Adolescents With Endometriosis In Puerto Rico**

M. D. M. Pacheco<sup>1</sup>, A. González<sup>2</sup>, J. Fourquet<sup>3</sup>, S. Acevedo<sup>2</sup>, I. Flores<sup>3</sup>

<sup>1</sup>Biology, Pontificia Universidad Catolica, <sup>2</sup>Psychology, <sup>3</sup>Microbiology, Ponce School of Medicine and Health Science, Ponce, United States

**P2-194****A Qualitative Evaluation Of Disease Severity And Bothersomeness Of Symptoms In Patients**

M. Fuldeore<sup>1</sup>, S. Hass<sup>1</sup>, K. Chwalisz<sup>1</sup>, K. Gano<sup>2</sup>, C. O'Brien<sup>2</sup>

<sup>1</sup>Abbott Laboratories, Abbott Park, <sup>2</sup>Neurocrine Biosciences, San Diego, United States

**P2-195****A Theoretical Model Of Coping Among Women With Chronic Pelvic Pain**

E. S. Hamilton<sup>1</sup>

<sup>1</sup>Saybrook University, San Francisco, United States

**P2-196****A Long Term Prospective Observational Study Of The Impact Of Radical Laparoscopic Excision Of Endometriosis On Pain And Quality Of Life Parameters**

K. Majumder<sup>1, 2</sup>, C. Burke<sup>3, 4</sup>, D. Doherty<sup>1</sup>, I. Menninger<sup>1, 5</sup>, K. Karthigasu<sup>1</sup>, B. McElhinney<sup>1</sup>, R. Garry<sup>1</sup>, R. Hart<sup>1</sup>

<sup>1</sup>King Edward Memorial Hospital, Perth, Australia, <sup>2</sup>John Radcliffe Hospital NHS Trust, Oxford, United Kingdom, <sup>3</sup>Cork University Hospital, Cork, <sup>4</sup>Obstetrics and Gynaecology, King Edward Memorial Hospital, Perth, Ireland, <sup>5</sup>Western Health and Social Care Trust, Belfast, United Kingdom

**P2-197****About Sexual Pain Disorders And Responses Of Couples Living With Chronic Pelvic Pain From Endometriosis**

M. Monforte<sup>1</sup>, R. de taylor<sup>2</sup>, S. laporte<sup>3</sup>, S. droupy<sup>4</sup>

<sup>1</sup>Gynecology, CHU Caremeau, <sup>2</sup>Gynecology, CHU Carémeau, <sup>3</sup>Visceralist, <sup>4</sup>Urology, CHU Caremeau, Nimes, France

**P2-198****Development Of An 'Impact Of Endometriosis' Questionnaire**

M. Moradi<sup>1</sup>, D. A. Ellwood<sup>2</sup>, V. Lopez<sup>2</sup>, A. Sneddon<sup>2</sup>, M. Parker<sup>3</sup>

<sup>1</sup>PhD candidate in Australian National University, Scholarship from Health Ministry of Iran., <sup>2</sup>Australian National University, <sup>3</sup>Canberra Endometriosis Centre, Canberra, Australia

**P2-199****Evaluation Of Quality Of Life In Women With Deep Infiltrating Endometriosis**

C. Ploger<sup>1</sup>, T. M. Tripoli<sup>1</sup>, K. Gerencer<sup>1</sup>, R. Jibrim<sup>1</sup>, E. Schor<sup>1</sup>, M. J. B. C. Girão<sup>1</sup>, G. Kamergorodsky<sup>1</sup>, H. Sato<sup>1</sup>

<sup>1</sup>Gynecology, Federal University of São Paulo, São Paulo, Brazil

**P2-200****Digestive Symptoms In Women Presenting With Pelvic Endometriosis And Their Relationship With The Localisation Of The Lesions**

J. Ness<sup>1</sup>, H. Roman<sup>1</sup>, M. Vassilieff<sup>1</sup>, G. Gourcerol<sup>2</sup>, V. Bridoux<sup>3</sup>, G. Savoye<sup>4</sup>, L. Marpeau<sup>1</sup>, J.-J. Tuech<sup>3</sup> and Digestive Tract Research Group

<sup>1</sup>Obstetrics And Gynecology, <sup>2</sup>Physiology, <sup>3</sup>Surgery, <sup>4</sup>Gastroenterology, ROUEN University Hospital, Rouen, France

**P2-201****Quality Of Sleep In Patients With Deep Infiltrating Endometriosis**

H. Hachul<sup>1</sup>, C. Ploger<sup>1</sup>, C. A. P. de Souza<sup>1</sup>, E. Schor<sup>1</sup>, S. Tufik<sup>2</sup>, R. Jibrim<sup>1</sup>, M. J. B. C. Girão<sup>1</sup>, H. Sato<sup>1</sup>

<sup>1</sup>Gynecology, <sup>2</sup>Psychobiology, Federal University of Sao Paulo, Sao Paulo, Brazil

**P2-202****Does Laparoscopic Management Of Deep Infiltrating Endometriosis Improve Quality Of Life? A Prospective Study**

N. di donato<sup>1</sup>, G. montanari<sup>1</sup>, S. del forno<sup>1</sup>, E. geraci<sup>1</sup>, G. ferrini<sup>1</sup>, D. raimondo<sup>1</sup>, S. alvisi<sup>1</sup>, G. giovanardi<sup>1</sup>, M. mabrouk<sup>2</sup>, R. Seracchioli<sup>1</sup>

<sup>1</sup>Minimally Invasive Gynaecological Surgery Unit, S.Orsola-Malpighi University Hospital, Bologna, Italy, <sup>2</sup>Department of Obstetrics and Gynecology, Alexandria University, Alexandria, Egypt

**P2-203****Quality Of Life And Sexual Satisfaction In Women With Endometriosis**

V. Skrzypulec-Plinta<sup>1</sup>, A. Droszol-Cop<sup>1</sup>

<sup>1</sup>Woman's Health Chair, Medical University Of Silesia, Katowice, Poland

**P2-204****A Retrospective Review Of Patient Reported Outcomes On The Impact On Quality Of Life In Patients Undergoing Total Abdominal Hysterectomy And Bilateral Salpingo-Oophorectomy For Endometriosis**

K. Maillou<sup>1</sup>, B. K. Tan<sup>1</sup>, R. Mathur<sup>1</sup>, A. Prentice<sup>1,2</sup>

<sup>1</sup>Department of Reproductive Medicine and Surgery, Addenbrooke's Hospital, Cambridge, <sup>2</sup>Department of Obstetrics and Gynaecology, University of Cambridge, Cambridge, United Kingdom

**P2-205****Clinical Features Of Endometriosis Proceeding On Present Stage In Ukraine**

O. Tanko<sup>1</sup>, M. V. Samoylova<sup>2</sup>, G. Maltsev<sup>1</sup>, S. Gayvoronska<sup>1</sup>, L. Vygovska<sup>1</sup>

<sup>1</sup>Obstetrics and gynecology #2, Kharkiv National Medical University, Kharkiv, <sup>2</sup>Obstetrics and gynecology #3, National O.O. Bohomolets Medical University, Kyiv, Ukraine

Topic	Area	Board #
12. <b>Surgery</b>	CITADELLE	206 to 249

**P2-206****Determinants Of Postoperative Urological Complications After Colorectal Resection For Endometriosis**

M. Ballester<sup>1</sup>, S. Zilberman<sup>1</sup>, E. Chéreau<sup>1</sup>, C. Touboul<sup>1</sup>, P. Sèbe<sup>2</sup>, M. Bazot<sup>3</sup>, E. Daraï<sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Urology, <sup>3</sup>Radiology, Tenon University Hospital, Paris, France

**P2-207****Surgical Technique Of Rectal Shaving For Rectovaginal Endometriosis**

W. Kondo<sup>1</sup>, N. Bourdel<sup>2</sup>, K. Jardon<sup>2</sup>, K. Slim<sup>3</sup>, B. Rabischong<sup>2</sup>, R. Botchorishvili<sup>2</sup>, G. Mage<sup>2</sup>, M. Canis<sup>2</sup>

<sup>1</sup>Obstetrics and Gynecology, Centro Médico Hospitalar Sugisawa, Curitiba, Brazil, <sup>2</sup>Obstetrics and Gynecology, <sup>3</sup>Department of Digestive Surgery, University Hospital Estaing, Clermont-Ferrand, France

**P2-208****Surgical Technique Of For Rectovaginal Endometriosis: "Reverse Technique"**

N. Bourdel<sup>1</sup>, W. Kondo<sup>2</sup>, K. Jardon<sup>3</sup>, B. Rabischong<sup>1</sup>, K. Slim<sup>4</sup>, G. Mage<sup>1</sup>, M. Canis<sup>1</sup>

<sup>1</sup>Obstetrics and gynecology, University Hospital Estaing, Clermont-Ferrand, France, <sup>2</sup>Obstetrics and gynecology, Médico Hospitalar Sugisawa, Curitiba, Brazil, <sup>3</sup>University Hospital Estaing, Clermont-Ferrand, France, <sup>4</sup>Department of Digestive Surgery, University Hospital Estaing, Clermont-Ferrand, France

**P2-209****Ovarian Cystectomy For Ovarian Endometriosis How Should We Do It?**

M. Canis<sup>1</sup>, K. jardon<sup>1</sup>, R. Botchorishvili<sup>1</sup>, B. Rabischong<sup>1</sup>, N. Bourdel<sup>1</sup>, K. Slim<sup>2</sup>, G. Mage<sup>1</sup>

<sup>1</sup>Department Of Gynecologic Surgery, <sup>2</sup>Department Of Digestive Surgery, CHU Estaing, Clermont Ferrand, France

**P2-210****Is The Surgical Treatment Of Deeply Infiltrative Endometriosis (DIE) Safe? Results Of A Multidisciplinary Brazilian Team**

I. Avila<sup>1</sup>, L. P. Costa<sup>2</sup>, I. D. Filogonio<sup>1</sup>, M. M. Carneiro<sup>3</sup>

<sup>1</sup>Gynecology Clinic, <sup>2</sup>Coloproctology Clinic, Biocor Hospital, <sup>3</sup>Department of Gynecology and Obstetrics, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil

**P2-211****Robotic-Assisted Laparoscopic Surgeries For Management Of Endometriosis: Systematic Review**

L. Carvalho<sup>1</sup>, M. S. Abrão<sup>2</sup>, T. Falcone<sup>1</sup>

<sup>1</sup>Center for Reproductive Medicine, Obstetrics and Gynecology and Women's Health Institute, Cleveland Clinic, Cleveland, United States, <sup>2</sup>Department of Obstetrics and Gynecology, São Paulo University, São Paulo, Brazil, São Paulo University, São Paulo, Brazil

**P2-212****Nerve-Sparing Laparoscopic Radical Excision Of Deep Endometriosis With Rectal And Parametrial Resection**

M. Ceccaroni<sup>1</sup>, R. Clarizia<sup>1</sup>, G. Roviglione<sup>1</sup>, F. Bruni<sup>1</sup>, L. Minelli<sup>2</sup>, G. Ruffo<sup>3</sup>

<sup>1</sup>Gynecologic Oncology Division, International School Of Surgical Anatomy, <sup>2</sup>Gynecology And Obstetrics, <sup>3</sup>Department Of General Surgery, Sacred Heart Hospital, Negrar (Verona), Italy

**P2-213****Laparoscopic Neurolisis For Deep Endometriosis Infiltrating Somatic Nerves (The Possover Operation): A Retrospective Study**R. Clarizia<sup>1</sup>, M. Ceccaroni<sup>1</sup>, G. Roviglione<sup>1</sup>, F. Bruni<sup>1</sup>, G. Ruffo<sup>2</sup>, L. Minelli<sup>3</sup><sup>1</sup>Gynecologic Oncologic Division, International School Of Surgical Anatomy, <sup>2</sup>General Surgery, <sup>3</sup>Gynecology And Obstetrics, Sacred Heart Hospital, Negrar (Verona), Italy**P2-214****Laparoscopic Treatment Of Diaphragmatic Endometriosis: Retrospective Analysis Of 46 Cases**G. Roviglione<sup>1</sup>, M. Ceccaroni<sup>1</sup>, R. Clarizia<sup>1</sup>, F. Bruni<sup>1</sup>, G. Ruffo<sup>2</sup>, M. Steinkasserer<sup>3</sup>, L. Minelli<sup>3</sup><sup>1</sup>Gynecologic Oncologic Division, International School Of Surgical Anatomy, <sup>2</sup>General Surgery, <sup>3</sup>Gynecology And Obstetrics, Sacred Heart Hospital, Negrar (Verona), Italy**P2-215****Robot-Assisted Laparoscopic Surgery For Endometriosis**M. Nisolle<sup>1,\*</sup>, V. Dechenne<sup>1</sup>, P. Petit<sup>1</sup>, J.-M. Foidart<sup>1</sup><sup>1</sup>Obstetrics And Gynecology, University Of Liege - Chu, Liege, Belgium**P2-216****What Abdominal Wall Endometriosis Needs Mesh Repair?**S. Deng<sup>1</sup>, J. Lang<sup>1</sup>, J. Leng<sup>1</sup>, Z. Liu<sup>1</sup>, D. Sun<sup>1</sup>, L. Zhu<sup>1</sup>, Q. Fan<sup>1</sup><sup>1</sup>Gynecology And Obstetrics, Peking Union Medical College Hospital, Chinese Academy Of Medical Sciences, Beijing, China**P2-217****Surgical Treatment Of Disseminated Forms Of Genital Endometriosis As The Method Of Choice**A. Drampyan<sup>1</sup>, M. Khachatryan<sup>2</sup>, Z. Manukyan<sup>2</sup>, A. Drampyan<sup>2</sup><sup>1</sup>Operative Gynecology, <sup>2</sup>Institute Of Perinatology, Obstetrics And Gynecology, Yerevan, Armenia**P2-218****Novasure Bipolar Radiofrequency Endometrial Ablation In Adenomyosis: Report Of 19 Cases With MRI Imaging**J. Faidherbe<sup>1</sup><sup>1</sup>Obstetric and Gynecology, Medical University of Montpellier, Montpellier, France**P2-219****Linear Stapler Nodectomy For The Treatment Of Anterior Rectal Wall Nodules: Report Of 32 Consecutive Patients**G. Kamergorodsky<sup>1</sup>, N. Lemos<sup>1</sup>, F. C. Rodrigues<sup>2</sup>, L. G. Cocco<sup>1</sup>, E. Schor<sup>1</sup>, M. Girão<sup>1</sup>, C. Ploger<sup>3</sup><sup>1</sup>Department of Gynecology, Federal University of Sao Paulo, <sup>2</sup>Department of Gynecology, Faculdade de Ciencias Medicas da Santa Casa de Sao Paulo, Sao Paulo, <sup>3</sup>Department of Gynecology, Federal University of Sao Paulo, São Paulo, Brazil**P2-220****Laparoscopic Management Of Rectal Endometriosis**C. E. Koh<sup>1, 2</sup>, K. Juszczak<sup>2</sup>, M. J. Cooper<sup>3, 4</sup>, M. J. Solomon<sup>1, 2, 4</sup><sup>1</sup>Surgical Outcomes Research Centre, <sup>2</sup>Department of Colorectal Surgery, <sup>3</sup>Department of Endogynaecology, Royal Prince Alfred Hospital, <sup>4</sup>University of Sydney, Sydney, Australia**P2-221****Laparoscopic Surgery For Extragenital Endometriosis Of The Intestine And Urinary Tract**I. Kusuki<sup>1</sup>, H. Tatsumi<sup>1</sup>, I. Suganuma<sup>1</sup>, T. Okubo<sup>1</sup>, J. Kitawaki<sup>1</sup><sup>1</sup>Kyoto Prefectural University of Medicine, Japan, Kyoto, Japan**P2-222****Colorectal Resection For Deep Pelvic Endometriosis : Evaluation Of Pre-Operative Imaging And Post-Operative Functional Outcome**L. Boileau<sup>1</sup>, S. Laporte<sup>2</sup>, J.-F. Bourgaux<sup>3</sup>, J.-P. Rouanet<sup>4</sup>, T. Fileron<sup>5</sup>, P. Mares<sup>6</sup>, R. de Tayrac<sup>7</sup><sup>1</sup>Department of obstetrics and gynecological surgery, CHU Nîmes, <sup>2</sup>Department of Digestive Surgery, <sup>3</sup>Department of Gastroenterology, CHU Nîmes, Nîmes, <sup>4</sup>Department of Diagnostic Radiology, Clinique Beausoleil, Montpellier, <sup>5</sup>Department of Biostatistics, Claudius Regaud, Toulouse, <sup>6</sup>Department of obstetrics and gynecological surgery, CHU Nîmes, Nîmes, <sup>7</sup>Department of obstetrics and gynecological surgery, CHU Nîmes, Nîmes, France**P2-223****Characteristics And Trends Of Surgical Management On Pelvic Endometriosis: A Review Of Cases In Recent Twenty-Seven Years From Peking Union Medical College Hospital**L. Li<sup>1</sup>, J. Leng<sup>1</sup>, J. Lang<sup>1</sup><sup>1</sup>Obstetrics and Gynecology, Peking Union Medical College Hospital, Beijing, China**P2-224****Is Margin Involvement Meaningful In Laparoscopic Rectal Resection For Endometriosis?**A. Mephon<sup>1</sup>, J. 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**P2-226****Robotic-Assisted Retosigmoidectomy For Treatment Of Deep Endometriosis: Preliminary Report And Analysis Of 7 Cases In Private Practice**R. M. Neme<sup>1, 2</sup>, V. Schraibman<sup>2</sup>, W. J. Chen<sup>2</sup>, S. Okazaki<sup>2</sup>, G. Maccapani<sup>2</sup><sup>1</sup>Centro de Endometriose São Paulo, <sup>2</sup>Albert Einstein Hospital, São Paulo, Brazil**P2-227****Laparoscopic Segmental Bowel Resection For Deep Pelvic Endometriosis: 100 Cases Followed During 1 Year**R. M. Neme<sup>1, 2</sup>, V. Schraibman<sup>1</sup>, S. Okazaki<sup>1</sup>, G. Maccapani<sup>1</sup>, W. J. Chen<sup>1</sup>, O. G. Kaufmann<sup>1, 2</sup><sup>1</sup>Albert Einstein Hospital, <sup>2</sup>Centro de Endometriose São Paulo, São Paulo, Brazil**P2-228****Deep Intestinal Endometriosis: Comparison Between Robotic And Laparoscopic Retosigmoidectomy In 107 Patients In A Single Center**V. Schraibman<sup>1</sup>, R. M. Neme<sup>1, 2</sup>, S. Okazaki<sup>1</sup>, G. Maccapani<sup>1</sup>, F. S. Oliveira<sup>1</sup><sup>1</sup>Albert Einstein Hospital, <sup>2</sup>Centro de Endometriose São Paulo, São Paulo, Brazil**P2-229****Double Circular Stapler Technique For Bowel Resection In Large Rectosigmoid Endometriosis**M. A. P. Oliveira<sup>1</sup>, C. Crispi<sup>1</sup>, F. Malcher<sup>1</sup>, T. Soares<sup>1</sup>, T. D. Pereira<sup>1</sup>, P. S. R. Junior<sup>1</sup><sup>1</sup>UERJ/IFF, Rio de Janeiro, Brazil**P2-230****Safety Of Transient Abdominal Ovariopexy In Severe Endometriotic Patients**C. Poncelet<sup>1</sup>, G. ducarme<sup>2</sup>, C. yazbeck<sup>3</sup>, P. madelenat<sup>3</sup>, M. carbonnel<sup>1</sup><sup>1</sup>obstetrics and gynecology, APHP CHU Jean Verdier, bondy, <sup>2</sup>obstetrics and gynecology, APHP CHU Beaujon, clichy, <sup>3</sup>obstetrics and gynecology, APHP CHU Bichat, paris, France**P2-231****Posterior Deep Infiltrating Endometriotic Nodules: Operative Considerations According To Lesion Location And Geometry**A. Protopapas<sup>1</sup>, I. Chatzipapas<sup>1</sup>, D. Haidopoulos<sup>1</sup>, G. Giannoulis<sup>1</sup>, S. Mesogitis<sup>1</sup>, A. Antsaklis<sup>1</sup><sup>1</sup>Obstetrics & Gynecology, University Of Athens, Athens, Greece**P2-232****The Transvaginal Approach Of The Small Endometrioma In Infertile Women Without Obvious Pathology: Incidence, Characteristics, Exploration, Treatment, Recurrence Rate And Reproductive Outcome**P. Puttemans<sup>1</sup>, S. Gordts<sup>1</sup>, R. Campo<sup>1</sup>, I. Brosens<sup>1</sup>, S. Gordts<sup>1</sup><sup>1</sup>Leuven Institute For Fertility And Embryology, Leuven, Belgium**P2-233****Original Technique Of Transanal Excision Of Deep Endometriosis Nodules Infiltrating The Low And Middle Rectum**H. Roman<sup>1</sup>, V. Bridoux<sup>2</sup>, M. Vassilief<sup>1</sup>, L. Marpeau<sup>1</sup>, F. Michot<sup>2</sup>, J.-J. Tuech<sup>2</sup><sup>1</sup>Obstetrics And Gynecology, <sup>2</sup>Digestive Surgery, Rouen University Hospital, Rouen, France**P2-234****Outcomes Of Surgical Management Of Ureteral And Bladder Deep Infiltrating Endometriosis: Radical Or Conservative Approach?**H. Roman<sup>1</sup>, F. Rozsnyai<sup>2</sup>, B. Resch<sup>1</sup>, M. Auber<sup>1</sup>, J. Ness<sup>1</sup> and the CIRENDO Study Group<sup>1</sup>Obstetrics and Gynecology, Rouen University Hospital, Rouen, France, <sup>2</sup>Obstetrics And Gynecology, University Hospital, Targu Mures, Romania**P2-235****Ovarian Endometrioma Ablation Using Plasma Energy : Above All Preserving The Ovarian Parenchyma !**M. Auber<sup>1</sup>, H. Roman<sup>1</sup>, C. Mokdad<sup>1</sup>, N. Bourdel<sup>2</sup>, J.-C. Sabourin<sup>3</sup>, L. Marpeau<sup>1</sup> and Research Group

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<sup>1</sup>Obstetrics and Gynecology, Rouen University Hospital, Rouen, <sup>2</sup>Obstetrics And Gynecology, University Hospital D'Estaing, Clermont Ferrand, <sup>3</sup>Pathology, Rouen University Hospital, Rouen, France**P2-236****Ovarian Endometrioma Ablation Using Plasma Energy vs. Cystectomy: A Step Toward A Better Preservation Of The Ovarian Parenchyma In Women Wishing To Become Pregnant**H. Roman<sup>1</sup>, M. Auber<sup>1</sup>, C. Mokdad<sup>1</sup>, N. Bourdel<sup>2</sup>, C. Martin<sup>3</sup>, A. Diguët<sup>1</sup>, L. Marpeau<sup>1</sup> and Research Group

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<sup>1</sup>Obstetrics and Gynecology, Rouen University Hospital, Rouen, <sup>2</sup>Obstetrics and Gynecology, University Hospital D'Estaing, Clermont Ferrand, <sup>3</sup>Radiology, Rouen University Hospital, Rouen, France**P2-237****The Ultimate Conservative Surgery For Severe Endometriosis And Adenomyosis: Laparoscopic Simultaneous Excision Of Deep Endometriosis And Posterior Focal Adenomyosis**A. Saeki<sup>1</sup>, T. Matsumoto<sup>1</sup>, H. Oku<sup>1</sup>, H. Chien<sup>1</sup>, Y. Kawamata<sup>1</sup>, K. Ikuma<sup>1</sup><sup>1</sup>Gynecology, Osaka Central Hospital, Osaka-City, Japan

**P2-238****The Vasopressin Injection Technique For Laparoscopic Excision Of Ovarian Endometrioma: Strategies To Prevent Ovarian Damage**A. Saeki<sup>1</sup>, T. Matsumoto<sup>1</sup>, H. Oku<sup>1</sup>, H. Chien<sup>1</sup>, Y. Kawamata<sup>1</sup>, K. Ikuma<sup>1</sup><sup>1</sup>Gynecology, Osaka Central Hospital, Osaka-City, Japan**P2-239****Bowel Run Examination (RBE) For Laparoscopic Diagnosis And Staging Of The Intestinal Endometriosis**U. E. Sagae<sup>1</sup>, N. Cavalli<sup>1</sup>, D. Galletto<sup>1</sup>, L. M. Sagae<sup>1</sup>, D. M. D. R. Lima<sup>1</sup><sup>1</sup>Centro de Referencia em Endometriose, Hospital Genesis, Cascavel - Parana, Brazil**P2-241****Tree -Dimensional Ultrasound Evaluation Of Ovarian Reserve In Patients With Endometriomas Before And After Laparoscopic Excision**A. A. Solomatina<sup>1</sup>, E. V. Kavteladze<sup>1</sup>, D. A. Safronova<sup>1</sup>, O. V. Bratchikova<sup>1</sup><sup>1</sup>Obstetrics and Gynecology of Pediatric Faculty, Russian State Medical University, Moscow, Russian Federation**P2-242****Impact Of Endometrioma Stripping Surgery On Ovarian Reserve- Serum Anti-Müllerian Concentrations As A Useful Marker**V. Kovacevic<sup>1</sup>, S. Spremovic- Radjenovic<sup>2</sup>, L. Andjelic<sup>1</sup>, G. Radonjic- Lazovic<sup>2</sup> and No conflict of interest, no financial support from any company<sup>1</sup>Obstetrics and Gynecology, General Hospital, Subotica, <sup>2</sup>Clinic for Gynecology and Obstetrics CCS University of Belgrade, School of Medicine, Belgrade, Serbia**P2-243****Pain Outcomes Following Laparoscopic Anterior Rectum Slicing Operation For Rectovaginal Endometriosis**F. Taniguchi<sup>1</sup>, R. Kuramori<sup>1</sup>, Y. Kishi<sup>1</sup>, R. Suginami<sup>1</sup>, H. Suginami<sup>1</sup><sup>1</sup>Obstetrics and Gynecology, Takanohara Central Hospital, Nara, Japan**P2-244****Laparoscopic Management Of Endometriosis In The Canal Of Nuck**C.-J. Wang<sup>1</sup>, A.-S. Chao<sup>1</sup>, A. Chao<sup>1</sup><sup>1</sup>Ob/Gyn, Chang Gung Memorial Hospital at Linkou and Chang Gung University College of Medicine, Taoyuan, Taiwan, China**P2-245****Surgery For Colorectal Endometriosis: An Updated Australian Series Of 273 Cases**H. J. Wills<sup>1</sup>, G. D. Reid<sup>2</sup>, M. J. Cooper<sup>3</sup>, J. Tsaltas<sup>4</sup>, M. Morgan<sup>5</sup>, R. Woods<sup>6</sup><sup>1</sup>Faculty of Medicine, University of New South Wales, <sup>2</sup>Liverpool Hospital, <sup>3</sup>Department of Obstetrics and Gynaecology, University of Sydney, Sydney, <sup>4</sup>Monash Medical Centre, Melbourne, <sup>5</sup>Bankstown Hospital, Sydney, <sup>6</sup>St Vincent's Hospital, Melbourne, Australia**P2-246****A Centre Of Excellence For The Surgical Management Of Colorectal Endometriosis: The Australian Experience**H. J. Wills<sup>1</sup>, J. Tsaltas<sup>2</sup>, M. J. Cooper<sup>3</sup>, G. D. Reid<sup>4</sup>, R. Woods<sup>5</sup>, M. Morgan<sup>6</sup><sup>1</sup>Faculty of Medicine, University of New South Wales, Sydney, <sup>2</sup>Monash Medical Centre, Melbourne, <sup>3</sup>Department of Obstetrics and Gynaecology, University of Sydney, <sup>4</sup>Liverpool Hospital, Sydney, <sup>5</sup>St Vincent's Hospital, Melbourne, <sup>6</sup>Bankstown Hospital, Sydney, Australia**P2-247****Peri-Operative Outcomes For Diagnostic Laparoscopy Versus Operative Laparoscopic Excision Of Endometriosis: Results From A Double-Blind RCT**R. Deans<sup>1</sup>, H. R. Won<sup>1</sup>, J. Hawe<sup>2</sup>, D. Hunter<sup>3</sup>, R. Garry<sup>4</sup>, J. Abbott<sup>1</sup><sup>1</sup>Royal Hospital for Women, Sydney, Australia, <sup>2</sup>Countess of Chester Hospital, Chester, United Kingdom, <sup>3</sup>South Cleveland Hospital, Middlesbrough, <sup>4</sup>University of Western Australia, Perth, Australia**P2-248****Spontaneous Conception Following Resection Of Severe Endometriosis In Patients With Failed In-Vitro-Fertilization Cycles**A. Yazdani<sup>1</sup><sup>1</sup>QFG Research Foundation, Brisbane, Australia

Topic	Area	Board #
13. <b>Epidemiology</b>	PRE-REGISTRATION	250 to 255

**P3-250**

**Analysis Of FCRL3 Polymorphisms In Women With Endometriosis**

B. Bianco <sup>1</sup>, J. S. Teles <sup>1</sup>, T. G. Lerner <sup>1</sup>, G. M. André <sup>1</sup>, D. M. Christofolini <sup>1</sup>, C. P. Barbosa <sup>1</sup>

<sup>1</sup>Gynecology and Obstetrics, Faculdade De Medicina Do ABC, São Paulo, Brazil

**P3-251**

**The Presence Of A Pre-Operative Endometriosis Diagnosis In Women Undergoing Hysterectomy: A Retrospective Analysis Of A Large Insurance Claims Database**

P. Carney <sup>1</sup>, A. Schmidt <sup>1</sup>, J. Pocoski <sup>1</sup>, L. Stern <sup>2</sup>, W. Cheng <sup>2</sup>, C. Kreilick <sup>1</sup>, A. Law <sup>1</sup>

<sup>1</sup>Bayer HealthCare Pharmaceuticals, Wayne, <sup>2</sup>Analytica International, New York, United States

**P3-252**

**Pigmentary Traits, Family History Of Melanoma, And The Risk Of Endometriosis: The Nurses' Health Study II**

M. Kvaskoff <sup>1, 2</sup>, J. Han <sup>1, 2</sup>, S. Missmer <sup>1, 2</sup>

<sup>1</sup>Channing Laboratory, Department of Medicine, Brigham & Women's Hospital and Harvard Medical School, <sup>2</sup>Department of Epidemiology, Harvard School of Public Health, Boston, United States

**P3-253**

**Characteristics And Trends Of Surgical Management On Pelvic Endometriosis Of Different Ages**

L. Li <sup>1</sup>, J. Leng <sup>1</sup>, J. Lang <sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, Peking Union Medical College Hospital, Beijing, China

**P3-254**

**The Three Types Of Endometriosis Have The Same Age Distribution: Pathogenetic Implications?**

C. A. Souza <sup>1, 2</sup>, I. Naoura <sup>2</sup>, B. Borghese <sup>2</sup>, P. Santulli <sup>2</sup>, M.-C. Lafay-Pillet <sup>2</sup>, D. de Ziegler <sup>2</sup>, C. Chapron <sup>2</sup> and Université Paris Descartes, Assistance Publique – Hôpitaux de Paris, Centre Hospitalier Universitaire (CHU) Cochin Saint Vincent de Paul, Service de Gynécologie Obstétrique II and Reproductive Medicine (Professor Chapron) Paris, France.

<sup>1</sup>Serviço de Ginecologia e Obstetrícia, Hospital de Clínicas de Porto Alegre, Porto Alegre, Brazil, <sup>2</sup>Service de Gynécologie Obstétrique II and Reproductive Medicine (Professor Chapron), Université Paris Descartes-Groupe Hospitalier Cochin, Paris, France

**P3-255**

**Contraceptive Use And Correlation With The Presence Of Adenomyosis On Histopathology**

M. Yoo <sup>1</sup>, B. Hutchinson <sup>1</sup>, N. Mulvany <sup>2</sup>, S. Grover <sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynaecology, Mercy Hospital for Women, <sup>2</sup>Department of Anatomical Pathology, Austin Hospital, Melbourne, Australia

Topic	Area	Board #
14. <b>Infertility</b>	PRE-REGISTRATION	256 to 277

**P3-256**

**Is There An Association Between Endometriosis And The Risk Of Adverse Pregnancy Outcomes? A Retrospective Study**

C. Alboni <sup>1</sup>, M. Mabrouk <sup>1, 2</sup>, S. Pozzi <sup>1</sup>, C. Voci <sup>3</sup>, G. Ghirardini <sup>1</sup>

<sup>1</sup>Ob/Gyn, New Civil Hospital, Sassuolo (MO), Italy, <sup>2</sup>Ob/Gyn, Alexandria University, Alexandria, Egypt, <sup>3</sup>Statistical Analysis, Ceveas, Modena, Italy

**P3-257**

**Effect Of Endometriosis On ART Outcome**

F. X. Aubriot <sup>1</sup>, D. De Ziegler <sup>2</sup>, P. Cohen-bacrie <sup>3</sup>, J. De Mouzon <sup>2</sup>, C. Chapron <sup>2</sup>

<sup>1</sup>Reproduction Health, Cherest Clinic, <sup>2</sup>Reproduction Health, Cochin Hospital, <sup>3</sup>Biological Unit, Eylau Laboratory, Paris, France

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**Reproductive Outcome In Patients With Different Endometriosis Stages**

L. M. Augé <sup>1</sup>, L. Sabatini <sup>1</sup>, G. Marconi <sup>1</sup>, M. P. Zappacosta <sup>1</sup>, M. Tiveron <sup>2</sup>, A. Valcarcel <sup>2</sup>

<sup>1</sup>Reproductive Medicine, <sup>2</sup>Reproductive Medicine Laboratory, Instituto De Ginecología Y Fertilidad - IFER, Ciudad Autónoma de Buenos Aires, Argentina

**P3-259****Evaluation Of NAG (N-Acetylglucosaminidase) And MPO (Myeloperoxidase) Activities In Patients With Infertility Caused By Endometriosis Undergoing Intracytoplasmic Sperm Injection (ICSI)**

R. M. Lamaita <sup>1, 2</sup>, A. Pontes <sup>3</sup>, A. V. Belo <sup>4</sup>, J. P. Caetano <sup>1</sup>, S. P. Andrade <sup>5</sup>, E. B. Candido <sup>3</sup>, M. M. Carneiro <sup>4</sup>, A. L. Silva-Filho <sup>3, 4</sup>

<sup>1</sup>Pró-Criar Clinic of Assisted Reproduction, MaterDei Hospital, <sup>2</sup>Gynecology and Obstetrics, Universidade Estadual Paulista, Belo Horizonte, <sup>3</sup>Gynecology and Obstetrics Department, Universidade Estadual Paulista, Botucatu-SP, <sup>4</sup>Gynecology and Obstetrics Department, <sup>5</sup>Physiology and Biophysics Department, Universidade Federal de Minas Gerais, Belo Horizonte, Brazil

**P3-260****Endometriosis Must Be Searched After Intrauterine Insemination Failure**

J. J. Etchepareborda <sup>1</sup>

<sup>1</sup>Private Practice, Capital Federal, Argentina

**P3-261****Incidence Of Spontaneous Pregnancy After Laparoscopic Treatment Of Endometriosis**

D. Yazdani Masouleh <sup>1</sup>, S. Resta <sup>1</sup>, E. Fuggetta <sup>1</sup>, A. Ticino <sup>1</sup>, P. Benedetti Panici <sup>1</sup>, M. G. Porpora <sup>1</sup>

<sup>1</sup>Department of Obstetrics-Gynecology and Urology, "Sapienza" University of Rome, Rome, Italy

**P3-262****AMH In Ovarian Endometriosis II: In Ovarian Endometriosis, Normal AMH Levels Do Not Predict A Normal Response To Controlled Ovarian Hyperstimulation (COH) In ART**

V. Gayet <sup>1</sup>, D. de Ziegler <sup>1</sup>, I. Streuli <sup>1</sup>, F.-X. Aubriot <sup>1</sup>, A. Marszalek <sup>1</sup>, O. Bajouh <sup>1</sup>, J. de Mouzon <sup>1</sup>, J. P. Wolf <sup>1</sup>, C. Chapron <sup>1</sup>

<sup>1</sup>Service de Gynécologie Obstétrique et Médecine de la Reproduction II, Université Paris Descartes – Hôpital Cochin, Paris, France

**P3-263****Laparoscopic Cystectomy Of Ovarian Endometrioma May Impair The Response Of Affected Ovary To Controlled Ovarian Hyperstimulation In IVF Patients**

M. Harada <sup>1</sup>, Y. Osuga <sup>1</sup>, A. Fujimoto <sup>1</sup>, N. Oi <sup>1</sup>, O. Yoshino <sup>1</sup>, K. Koga <sup>1</sup>, T. Yano <sup>1</sup>, Y. Taketani <sup>1</sup>

<sup>1</sup>Department of Obstetrics & Gynecology, The University Of Tokyo, Tokyo, Japan

**P3-264****Fertility Outcome After Segmental Bowel Resection For Endometriosis**

R. M. Neme <sup>1, 2</sup>, P. A. Monteleone <sup>3</sup>, H. F. Brudniewski <sup>1</sup>

<sup>1</sup>Centro de Endometriose São Paulo, <sup>2</sup>Albert Einstein Hospital, <sup>3</sup>Clinica Monteleone, São Paulo, Brazil

**P3-265****Role Of Laparoscopic Segmental Bowel Resection For Endometriosis In Patients With Failed In Vitro Fertilization Cycles**

R. M. Neme <sup>1, 2</sup>, P. A. Monteleone <sup>3</sup>, H. F. Brudniewski <sup>1, 2</sup>

<sup>1</sup>Centro de Endometriose São Paulo, <sup>2</sup>Albert Einstein Hospital, <sup>3</sup>Clinica Monteleone, São Paulo, Brazil

**P3-266****Is Segmental Colorectal Resection Effective To Improve The Probability Of Pregnancy In Poor Responders With Severe Endometriosis Undergoing ICSI?**

R. M. Neme <sup>1, 2</sup>, P. A. Monteleone <sup>3</sup>, V. Schraibman <sup>2</sup>

<sup>1</sup>Centro de Endometriose São Paulo, <sup>2</sup>Albert Einstein Hospital, <sup>3</sup>Clinica Monteleone, São Paulo, Brazil

**P3-267****A Study Of Fertility And Pregnancy Outcomes Following The Laparoscopic Surgical Removal Of Stage 3 And 4 Endometriosis**

E. Nesbitt-Hawes <sup>1</sup>, N. Campbell <sup>1</sup>, H. Won <sup>1</sup>, P. Maley <sup>2</sup>, J. Abbott <sup>1</sup>

<sup>1</sup>Royal Hospital for Women, <sup>2</sup>University of New South Wales, Sydney, Australia

**P3-268****Impact Of Endometrioma Surgery at IVF**

E. Passos <sup>1</sup>, C. Rodrigues <sup>1</sup>, A. Aguiar <sup>1</sup>, J. Nunes <sup>1</sup>, A. P. Soares <sup>1</sup>, S. Sousa <sup>1</sup>, I. Cordeiro <sup>1</sup>, M. Carvalho <sup>1</sup>, F. Leal <sup>1</sup>, C. Calhaz-Jorge <sup>1</sup>

<sup>1</sup>Hospital Santa Maria, Lisboa, Portugal

**P3-269****Anti-Müllerian Hormone Is The Best Predictor Of Poor Response In ICSI Cycles Of Patients With Endometriosis**

J. C. Rosa-E-Silva <sup>1</sup>, B. R. Carvalho <sup>1</sup>, R. M. Reis <sup>1</sup>, R. A. Ferriani <sup>1</sup>, M. F. Silva-de-Sá <sup>1</sup>, A. C. J. S. Rosa-e-Silva <sup>1</sup>

<sup>1</sup>Gynecology and Obstetrics, School of Medicine of Ribeirão Preto, Ribeirão Preto, Brazil

**P3-270****Controlled Ovarian Hyperstimulation In Women With Endometriosis Previously Underwent Surgery: Letrozole Should Be Preferred In Women With Low Ovarian Reserve**

M. Sbracia <sup>1</sup>, F. Scarpellini <sup>1</sup>, D. Marconi <sup>2</sup>

<sup>1</sup>CERM, Hungarian IVF Centre, <sup>2</sup>S. Anna Hospital, IVF Centre, Rome, Italy

**P3-271**

### Laparoscopic Excision Of Deep Infiltrating Endometriosis Has A Place In Patients With Failed IVF Cycles

V. Singh<sup>1</sup>, L. Ravikanti<sup>1</sup>

<sup>1</sup>Fertility Associates, Hamilton, New Zealand

**P3-272**

### Combined Treatment Of Endometriosis: IVF Results

D. Soritsa<sup>1</sup>, A. Soritsa<sup>2</sup>, T. Laisk<sup>3</sup>, M. Saare<sup>3</sup>, H. Karro<sup>3</sup>, A. Salumets<sup>4</sup>

<sup>1</sup>Tartu University Hospital's Women's Clinic, <sup>2</sup>AS Kliinik Elite, <sup>3</sup>Department of Obstetrics and Gynecology of Tartu University, <sup>4</sup>Competence Centre on Reproductive Medicine and Biology, Tartu, Estonia

**P3-273**

### Luteinizing Hormone Polymorphisms Are Not Connected To Endometriosis Associated Infertility

C. Schmitz<sup>1</sup>, E. de Conto<sup>1</sup>, V. K. Genro<sup>1</sup>, T. Moresco<sup>2</sup>, U. Matte<sup>2</sup>, C. A. Souza<sup>2</sup>, J. S. Cunha Filho<sup>1</sup> and Serviço de Ginecologia e Obstetrícia, Hospital de Clínicas de Porto Alegre, Universidade Federal do Rio Grande do Sul.

<sup>1</sup>Programa de Pós-Graduação em Ciências Médicas, Universidade Federal do Rio Grande do Sul, <sup>2</sup>Serviço de Ginecologia e Obstetrícia, Hospital de Clínicas de Porto Alegre, Porto Alegre, Brazil

**P3-274**

### Endometriotic TIMP1 Contributes To Ovarian Anomalies Both Dependent And Independent Of MMP Function

J. A. Stilley<sup>1, 2</sup>, K. L. Sharpe-Timms<sup>1, 2</sup>

<sup>1</sup>Ob/Gyn and Women's Health, <sup>2</sup>Animal Sciences, University Of Missouri, Columbia, United States

**P3-275**

### AMH And Ovarian Endometriosis I: Unexpectedly, Plasma AMH Levels Are Not Decreased In Ovarian Endometriosis

I. Streuli<sup>1</sup>, D. de Ziegler<sup>1</sup>, T. Fraisse<sup>1</sup>, V. Gayet<sup>1</sup>, A. Marsalek<sup>1</sup>, O. Bajouh<sup>1</sup>, C. Chapron<sup>1</sup>

<sup>1</sup>Gynaecology, Obstetrics and Infertility, Groupe Hospitalier Cochin - Saint-Vincent-de-Paul, Paris, France

**P3-276**

### Fertility Outcomes Amongst A Cohort Of Women Undergoing Surgery For Colorectal Endometriosis

H. J. Wills<sup>1</sup>, L. Reyftmann<sup>2</sup>, G. D. Reid<sup>3</sup>, M. J. Cooper<sup>4</sup>, J. Tsaltas<sup>5</sup>

<sup>1</sup>Faculty of Medicine, University of New South Wales, <sup>2</sup>Sydney Women's Endosurgery Centre, <sup>3</sup>Liverpool Hospital, <sup>4</sup>Department of Obstetrics and Gynaecology, University of Sydney, Sydney, <sup>5</sup>Monash Medical Centre, Melbourne, Australia

Topic	Area	Board #
15. Medical treatment	BERLIOZ	278 to 315

**P3-277**

### Fertility Outcomes After Surgery For Colorectal Endometriosis Amongst A Cohort Of Women Presenting With Infertility

H. J. Wills<sup>1</sup>, M. J. Cooper<sup>2</sup>, J. Tsaltas<sup>3</sup>, L. Reyftmann<sup>4</sup>, G. D. Reid<sup>5</sup>

<sup>1</sup>Faculty of Medicine, University of New South Wales, <sup>2</sup>Department of Obstetrics and Gynaecology, University of Sydney, Sydney, <sup>3</sup>Monash Medical Centre, Melbourne, <sup>4</sup>Sydney Women's Endosurgery Centre, <sup>5</sup>Liverpool Hospital, Sydney, Australia

**P3-278**

### Silver Nanoparticles Decrease P450 Aromatase Gene Expression In Humane Endometriotic Epithelial And Stromal Cells In Vitro

F. M. Ali<sup>1</sup>, I. Gamal I<sup>2</sup>, S. El Shayp<sup>3</sup>, S. Shaker<sup>4</sup>

<sup>1</sup>Heliopolis research center, <sup>2</sup>Egyptian Institute of energy and nuclear power, <sup>3</sup>veterinary faculty of medicine kafr El Shekh, <sup>4</sup>national research center. Cairo, Egypt.

<sup>1</sup>Obstetrics and Gynecology, Heliopolis research center, cairo, Egypt

**P3-279**

### Nano Silver Knockdown AQP2 In Endometriosis A New Mechanism Of Action In The Treatment Of Endometriosis

F. M. Ali<sup>1</sup>, I. Gamal I<sup>2</sup>, S. El Shayp<sup>3</sup>, S. Shaker<sup>4</sup>

<sup>1</sup>Heliopolis research center, <sup>2</sup>Egyptian Institute of energy and nuclear power, <sup>3</sup>veterinary faculty of medicine kafr El Shekh, <sup>4</sup>national research center. Cairo, Egypt.

<sup>1</sup>Obstetrics and Gynecology, HELIOPOLIS RESEARCH CENTER, cairo, Egypt

**P3-280**

### Nano Gold As New Modality In The Treatment Of Endometriosis

F. M. Ali<sup>1</sup>, I. Gamal I<sup>2</sup>, S. El Shayp<sup>3</sup>, S. Shaker<sup>4</sup>

<sup>1</sup>Heliopolis research center, <sup>2</sup>Egyptian Institute of energy and nuclear power, <sup>3</sup>veterinary faculty of medicine kafr El Shekh, <sup>4</sup>national research center. Cairo, Egypt.

<sup>1</sup>Obstetrics and Gynecology, Heliopolis Research Center, cairo, Egypt

**P3-281**

### Expression Of Oxytocin Receptor In Adenomyosis Updated Trend

F. M. Ali<sup>1</sup>, I. Gamal I<sup>2</sup>, S. El Shayp<sup>3</sup>, S. Shaker<sup>4</sup>

<sup>1</sup>Heliopolis Research Center, <sup>2</sup>Egyptian Institute Of Energy And Nuclear Power, <sup>3</sup>Veterinary Faculty Of Medicine Kafr El Shekh, <sup>4</sup>National Research Center. Cairo, Egypt.

<sup>1</sup>Obstetrics and Gynecology, Heliopolis Research Center, Cairo, Egypt

**P3-282****Effect Of Bee Propolis On Rat Model Endometriosis**F. M. Ali<sup>1</sup>, I. Gamal I<sup>2</sup>, S. El Shayp<sup>3</sup>, S. Shaker<sup>4</sup><sup>1</sup>Heliopolis Research Center, <sup>2</sup>Egyptian Institute of Energy And Nuclear Power, <sup>3</sup>Veterinary Faculty Of Medicine Kafr El Shekh, <sup>4</sup>National Research Center. Cairo, Egypt.<sup>1</sup>Obstetrics and Gynecology, Heliopolis Research Center, Cairo, Egypt**P3-283****Treatment Of Endometriosis And Chronic Pelvic Pain With Autologous Eye Tears: A Pilot Study**F. M. Ali<sup>1</sup>, I. Gamal I<sup>2</sup>, S. El Shayp<sup>3</sup>, S. Shaker<sup>4</sup><sup>1</sup>Heliopolis research center, <sup>2</sup>Egyptian Institute Of Energy And Nuclear Power, <sup>3</sup>Veterinary Faculty Of Medicine Kafr El Shekh, <sup>4</sup>national Research Center. Cairo, Egypt.<sup>1</sup>Obstetrics and Gynecology, Heliopolis Research Center, Cairo, Egypt**P3-284****Elagolix, A Novel Oral GnRH Antagonist, Maintained Reduction Of Endometriosis-Associated Pelvic Pain During 24 Weeks Of Treatment**B. Carr<sup>1</sup>, K. Chwalisz<sup>2</sup>, R. Jimenez<sup>3</sup>, J. Burke<sup>3</sup>, P. Jiang<sup>2</sup>, C. O'Brien<sup>3</sup><sup>1</sup>University of Texas Southwestern Medical Center, Dallas, <sup>2</sup>Abbott, Abbott Park, <sup>3</sup>Neurocrine Biosciences, San Diego, United States**P3-285****Past Oral Contraception Indicated For Treating Severe Primary Dysmenorrhea Is Associated With Endometriosis Especially, Deep Infiltrating Endometriosis**C. Chapron<sup>1</sup>, C. Souza<sup>2</sup>, B. Borghese<sup>1</sup>, M.-C. Lafay-Pillet<sup>1</sup>, P. Santulli<sup>1</sup>, F. Goffinet<sup>1</sup>, I. Streuli<sup>1</sup>, D. de Ziegler<sup>1</sup><sup>1</sup>CHU Cochin, Paris, France, <sup>2</sup>CHU Cochin, Paris, Brazil**P3-286****Effects Of Anti-TNF Alpha Therapy On Surgically-Induced Endometriosis In An Animal Model**W. Kondo<sup>1</sup>, E. A. dal Lago<sup>1</sup>, L. de Noronha<sup>1</sup>, P. G. Kotze<sup>1</sup>, M. Olandoski<sup>1</sup>, V. F. Do Amaral<sup>2</sup><sup>1</sup>Center for Health and Biological Sciences, <sup>2</sup>Gynecology, Biological Science and Health Center, Pontificia Universidade Catolica Do Parana, Curitiba, Brazil**P3-287****Induction Of Decidualization In Human Ectopic Endometrial Lesions In Vivo**Y. Koch<sup>1</sup>, P. Wimberger<sup>2</sup>, R. Kimmig<sup>2</sup>, E. Winterhager<sup>1</sup>, R. Gruemmer<sup>1</sup><sup>1</sup>Molecular Biology, <sup>2</sup>Gynaecology, University Hospital Essen, Essen, Germany**P3-288****Novel Echo-Guided Transvaginal Direct Injection Therapy With 3-Ethyl Pyridine AndnOr Danazol Solution For Ovarian Endometriosis, Vaginal And Deep Endometriosis, And Adenomyosis: A Next-Generation Medical Therapy**M. Igarashi<sup>1, 2, 3</sup>, T. Igarashi<sup>3</sup>, S. Igarashi<sup>2</sup>, Y. Yokota<sup>1</sup>, S. Liang<sup>3</sup>, T. Minegishi<sup>2</sup><sup>1</sup>Obgyn, Yokota Maternity Hospital, <sup>2</sup>Obgyn, Gunma University, Maebashi, <sup>3</sup>Obgyn, Teikyo University, Ichihara, Japan**P3-289****The Inhibitory Effect Of Green Tea Polyphenol Epigallocatechin Gallate (EGCG) And Curcumin On The Inflammation Of Endometriosis**J. K. Joo<sup>1</sup>, J. B. Son<sup>1</sup>, K. S. Lee<sup>1</sup><sup>1</sup>Obstetrics & Gynecology, Pusan National University, Busan, Republic Of Korea**P3-290****SHIL-1R2 As A Potential Treatment Of Endometriosis: In Vivo Trial Using A Mouse Model**K. Khoufache<sup>1</sup>, A. Akoum<sup>1</sup> and Bondza Patrick, Harir Noria, Foster Warren<sup>1</sup>Obstetric and Gynecology, Hôpital Saint François d'Assise, Quebec, Canada**P3-291****An Alternative To Parenteral Administration Of Peptides: Systemic Absorption Of A GnRH Agonist Via A Vaginal Ring Delivery System**A. Kimball<sup>1</sup>, E. Javorsky<sup>2</sup>, M. Alora-Palli<sup>1</sup><sup>1</sup>Harvard Medical School, Boston, <sup>2</sup>U Mass Medical School, Worcester, United States**P3-292****The Efficacy, Side Effects, Continuation Rates And Cost Effectiveness Of Treatment Of Women With Symptomatic Endometriosis With An Intra-Uterine Administered Progestogen (Levonorgestrel) Mirena® – A Five Year Follow Up**N. Potdar<sup>1</sup>, J. O. Emembolu<sup>2</sup>, J. C. Konje<sup>1</sup><sup>1</sup>Reproductive Sciences Section, CSMM, University Of Leicester, <sup>2</sup>Women's Perinatal and Sexual Health, University Hospitals of Leicester, Leicester, United Kingdom

### P3-293

#### Therapeutic Effect Of Leukotriene Receptor Antagonist On Endometriosis

R. Konno <sup>1</sup>, K. Odagiri <sup>1</sup>, S. Netsu <sup>1</sup>, H. Fujiwara <sup>1</sup>, J. Mitsushita <sup>1</sup>, M. Sakata <sup>1</sup>, M. Suzuki <sup>2</sup>

<sup>1</sup>Obstetrics and Gynecology, Jichi Medical University Saitama Medical Center, Saitama, <sup>2</sup>Obstetrics and Gynecology, Jichi Medical University, Shimotsuke, Japan

### P3-294

#### Omega 3-Fatty Acids In The Treatment Of Endometriosis Related Pain

L. Lazzeri <sup>1</sup>, S. Luisi <sup>1</sup>, L. Sabbioni <sup>1</sup>, V. Ciani <sup>1</sup>, G. Centini <sup>1</sup>, C. Tosti <sup>1</sup>, F. Petraglia <sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, University Of Siena, Siena, Italy

### P3-295

#### Post-Operative Oral Contraceptive Use For The Prevention Of Recurrence Does Not Affect Bone Mineral Density In Premenopausal Women With Endometriosis

D. Choi <sup>1</sup>, Y.-K. Oh <sup>1</sup>, B.-K. Yoon <sup>1</sup>, D.-Y. Lee <sup>1</sup>

<sup>1</sup>Obstetrics & gynecology, Samsung Medical Center, Seoul, Republic Of Korea

### P3-296

#### Vaginal Danazol In Women With Endometriosis: Different Schedule For A Long-Term Treatment

S. Luisi <sup>1</sup>, L. Sabbioni <sup>1</sup>, V. Ciani <sup>1</sup>, G. Centini <sup>1</sup>, L. Lazzeri <sup>1</sup>, C. Tosti <sup>1</sup>, F. Petraglia <sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, University Of Siena, Siena, Italy

### P3-297

#### Comparative Actions Of Dienogest vs. Progesterone Or Medroxyprogesterone Acetate On Dendritic Spine Formation

P. Mannella <sup>1</sup>, A. R. Genazzani <sup>1</sup>, T. Simoncini <sup>1</sup>

<sup>1</sup>Molecular and Cellular Gynecological Endocrinology, University Of Pisa, Pisa, Italy

### P3-298

#### Regulation Of IL-6 In Cultured Endometrial Stromal Cells By Thiazolidiones

B. D. Mckinnon <sup>1</sup>, N. A. Bersinger <sup>1, 2</sup>, M. D. Mueller <sup>2</sup>

<sup>1</sup>Department of Clinical Research, <sup>2</sup>Department of Obstetrics and Gynaecology, University of Bern, Bern, Switzerland

### P3-299

#### Activation Of The Unfolded Protein Response In Endometrial Tissue By Thiazolidinediones

B. D. Mckinnon <sup>1</sup>, N. A. Bersinger <sup>1, 2</sup>, M. D. Mueller <sup>2</sup>

<sup>1</sup>Department of Clinical Research, <sup>2</sup>Department of Obstetrics and Gynaecology, University of Bern, Bern, Switzerland

### P3-300

#### The Effect Of Raloxifene On Nerve Growth Factor, Estrogen Receptor And Proliferation Marker Expression In Endometriosis

A. Taylor <sup>1</sup>, M. K. Mehaseb <sup>1</sup>, F. Katandawa <sup>1</sup>, J. Emembolu <sup>2</sup>, M. Habiba <sup>3</sup>

<sup>1</sup>Cancer studies and Molecular Medicine - Reproductive Sciences Section, University of Leicester, <sup>2</sup>Obstetrics and Gynaecology, Leicester Royal Infirmary - University Hospitals of Leicester NHS Trust, <sup>3</sup>Cancer studies and Molecular Medicine - Reproductive Sciences Section, University of Leicester - University Hospitals of Leicester NHS Trust, Leicester, United Kingdom

### P3-301

#### Lymphokine Activated Killer Cells From Endometriosis Patients' Peripheral Blood Mononuclear Cells Improve Cytotoxicity To Endometriosis Cell Culture

M. Natadisastra <sup>1</sup>, T. Z. Jacobo <sup>2</sup>, A. A. Bustami <sup>2</sup>, I. G. Mansur <sup>3</sup>, A. Bensussan <sup>4</sup>, J. Giustiniani <sup>4</sup>, V. Schiavon <sup>4</sup>

and INSERM U976, Saint-Louis Hospital-Paris VII, Paris, France

<sup>1</sup>Obstetrics and Gynecology, Faculty of Medicine University of Indonesia, <sup>2</sup>Obstetrics and Gynecology, Faculty of Medicine University of Indonesia, <sup>3</sup>Medical Biology, Faculty of Medicine University of Indonesia, Jakarta, Indonesia, <sup>4</sup>INSERM U976, Saint-Louis Hospital-Paris VII, Paris, France

### P3-302

#### A Prospective Study Comparing A 3-month Goserelin Treatment To Expectant Management After Laparoscopic Surgery For Cases Of Bowel Endometriosis

R. M. Neme <sup>1, 2</sup>, R. P. Gonçalves Filho <sup>2, 3</sup>, H. F. Brudniewski <sup>1, 2</sup>, O. G. Kaufmann <sup>2</sup>

<sup>1</sup>Centro de Endometriose São Paulo, <sup>2</sup>Albert Einstein Hospital, <sup>3</sup>Human Reproduction Unit, Faculty of Medicine of ABC, São Paulo, Brazil

### P3-303

#### Changes In The Volume And Histology Of Endometriosis Foci In Rats Treated With Copaiba Oil (Copaifera Langsdorffii)

J. Nogueira Neto <sup>1</sup>, M. J. S. Lindoso <sup>2</sup>, L. F. Coelho <sup>2</sup>, A. G. P. Araújo <sup>2</sup>, M. J. B. C. Girão <sup>3</sup>, E. Schor <sup>3</sup>

<sup>1</sup>Ginecology, UFMA - UNIFESP, <sup>2</sup>Experimental Surgery Laboratory of the University Hospital of the UFMA, Federal University of Maranhão, São Luis, <sup>3</sup>Gynecology, Federal University of São Paulo/Escola Paulista de Medicina, São Paulo, Brazil

### P3-304

#### An Anti-Inflammatory And Anti-Oxidant Evaluation Of Uncaria Tomentosa Extract In Experimental Endometriosis

J. Nogueira Neto <sup>1</sup>, R. A. F. Carvalho <sup>2</sup>, M. S. Xavier <sup>2</sup>, P. G. R. Furtado <sup>2</sup>, L. A. Silva <sup>3</sup>, E. M. S. Fialho <sup>3</sup>,

M. J. B. C. Girão <sup>4</sup>, E. Schor <sup>4</sup>

<sup>1</sup>Ginecology, UFMA - UNIFESP, <sup>2</sup>Experimental Surgery Laboratory, UFMA, <sup>3</sup>Immunophysiology Laboratory, Universidade Federal do Maranhão, São Luis, <sup>4</sup>Ginecology, Universidade Federal de São Paulo/Escola Paulista de Medicina, São Paulo, Brazil

**P3-305****Osteopontin As A Promising Therapeutic Target For Endometriosis**K. Odagiri <sup>1</sup>, R. Konno <sup>2</sup>, H. Fujiwara <sup>3</sup>, S. Netsu <sup>2</sup>, T. Uede <sup>4</sup><sup>1</sup>Department of Obstetrics And Gynecology, Naze Tokushukai Hospital, Amami City, Kagoshima, <sup>2</sup>Department Of Obstetrics And Gynecology, Jichi Medical University, Saitama Medical Center, Saitama City, Saitama, <sup>3</sup>department Of Obstetrics And Gynecology, Jichi Medical University, Shimotsuke City, Tochigi, <sup>4</sup>institute For Genetic Medicine And Hokkaido University, Sapporo, Hokkaido, Japan**P3-306****COX-2 And PPAR-GAMMA As Alternative Targets For Endometriosis**C. Olivares <sup>1</sup>, A. Ricci <sup>1</sup>, M. Bilotas <sup>1</sup>, R. I. Barañao <sup>1</sup>, G. Meresman <sup>1</sup><sup>1</sup>Instituto de Biología y Medicina Experimental, Buenos Aires, Argentina**P3-307****Efficacy Of Clinical Treatment For Chronic Pelvic Pain By Inducing Amenorrhea**A. M. G. Pereira <sup>1</sup>, R. G. C. Lopes <sup>1</sup>, D. D. B. Depes <sup>1</sup>, N. A. D. B. Melo <sup>1</sup><sup>1</sup>Gynecological Videoendoscopy, Hospital Do Servidor Publico ESTADUAL - HSPE, São Paulo, Brazil**P3-308****Acceptance And Tolerability Of Medical Treatment For Endometriosis**A. M. G. Pereira <sup>1</sup>, R. G. C. Lopes <sup>1</sup>, D. D. B. Depes <sup>1</sup>, D. J. P. D. C. Pinheiro <sup>1</sup><sup>1</sup>Gynecological Videoendoscopy, Hospital Do Servidor Publico Estadual - HSPE, São Paulo, Brazil**P3-309****The Efficacy Of Interval Pituitary Suppression In Two-Step Surgery In Very Severe Endometriosis As Confirmed By r-AFS Score Modification**S. M. Ferrari <sup>1</sup>, P. Persico <sup>1</sup>, E. Garavaglia <sup>1</sup>, F. Di Puppo <sup>1</sup>, I. Tandoi <sup>1</sup>, P. Giardina <sup>1</sup>, M. Candiani <sup>1</sup><sup>1</sup>Scientific Institute San Raffaele, Milano, Italy**P3-310****A New Oral Contraceptive Regimen For Endometriosis Management: Preliminary Experience With 24/4-Day Drospirenone/Ethinilestradiol 3mg/20mcg**S. Del Forno <sup>1</sup>, C. Frasca' <sup>1</sup>, S. Solfrini <sup>1</sup>, G. Montanari <sup>1</sup>, G. Ferrini <sup>1</sup>, D. Raimondo <sup>1</sup>, S. Alvisi <sup>1</sup>, E. Geraci <sup>1</sup>, G. Giovanardi <sup>1</sup>, R. Seracchioli <sup>1</sup><sup>1</sup>Minimally Invasive Gynaecological Surgery Unit, S.Orsola-Malpighi University Hospital, Bologna, Italy**P3-311****Efficacy And Safety Of Long-Term Dienogest Therapy For Endometriosis**H. Takagi <sup>1</sup>, N. Yamaguchi <sup>1</sup>, N. Neyatani <sup>1</sup>, T. Waseda <sup>1</sup>, H. Tomizawa <sup>1</sup>, Y. Oka <sup>1</sup>, S. Makinoda <sup>1</sup><sup>1</sup>Obstetrics and Gynecology, Kanazawa Medical University, Uchinada, Japan**P3-312****The Selective Vitamin D Receptor Agonist Elocalcitol Reduces Endometriotic Lesion Development In Mice By Inhibiting Peritoneal Inflammation**P. Panina <sup>1</sup>, M. Mariani <sup>2</sup>, B. Camisa <sup>3</sup>, E. Somigliana <sup>4</sup>, P. Viganò <sup>1</sup>, M. Candiani <sup>1</sup><sup>1</sup>Obstetrics and Gynecology, San Raffaele Scientific Institute, <sup>2</sup>Center for Research in Obstetrics and Gynecology, <sup>3</sup>Experimental Hematology, San Raffaele Scientific Institute, <sup>4</sup>Fondazione Cà Granda, Ospedale Maggiore Policlinico, Milano, Italy**P3-313****Angiogenesis In Endometriosis Is Mediated By VEGFC, Which Can Be Targeted By Green Tea Catechin EGCG**H. Xu <sup>1</sup>, C. M. Becker <sup>2</sup>, W. T. Lui <sup>1</sup>, C. Y. Chu <sup>1</sup>, G. C. W. Man <sup>1</sup>, T. N. Davis <sup>3</sup>, A. L. Kung <sup>3</sup>, A. E. Birsner <sup>4</sup>,R. J. D'Amato <sup>4</sup>, C. C. Wang <sup>1</sup><sup>1</sup>Department of Obstetrics & Gynaecology, The Chinese University Of Hong Kong, Shatin, Hong Kong, China, <sup>2</sup>Nuffield Department of Obstetrics & Gynaecology, University of Oxford, Oxford, United Kingdom, <sup>3</sup>Dana-Farber Cancer Institute and Children's Hospital, <sup>4</sup>Vascular Biology Program, Department of Surgery, Children's Hospital, Harvard Medical School, Boston, United States**P3-314****Dienogest Inhibits Prostaglandin E2 Production And Vascular Endothelial Growth Factor Expression In Human Endometriotic Stromal Cells**B. Xu <sup>1</sup>, N. Jiang <sup>1</sup>, Y. Ma <sup>1</sup>, L. Sun <sup>2</sup>, P. Zhao <sup>2</sup>, L. Hou <sup>3</sup><sup>1</sup>Department of Obstetrics and Gynecology, <sup>2</sup>Department of Pathology, the Affiliated Hospital of Medical College, Qingdao University, Qingdao, <sup>3</sup>Department of Biochemistry, the Medical College, Qingdao University, Qingdao, China**P3-315****The Recurrence Rate And Risk Factors Of Ovarian Endometrioma After Laparoscopic Surgery**M. Yamada <sup>1</sup>, M. Tokunaga <sup>1</sup>, M. Seta <sup>1</sup>, M. Nishio <sup>1</sup>, Y. Koyasu <sup>1</sup><sup>1</sup>Women's center, Yotsuya Medical Cube, Chiyoda-ku, Japan**Introduction:** Recently, laparoscopic surgery of ovarian endometriosis has increased. The reasons for this include: lack of pain after the operation, a short recovery period, and low recurrence.

Topic	Area	Board #
16. <b>-Omics</b>	PRE-REGISTRATION	316 to 319

### P3-316

#### Analysis Of Lipid Profile In The Cultured Endometrial Cells Of Women With And Without Endometriosis

G. A. Goncalves<sup>1</sup>, T. C. S. Bonetti<sup>1</sup>, P. D'amora<sup>1</sup>, E. G. Lo Turco<sup>2</sup>, R. Bertolla<sup>2</sup>, F. Gozzo<sup>3</sup>, H. Sato<sup>1</sup>, E. Schor<sup>1</sup>, I. D. C. G. Silva<sup>1</sup>, M. J. B. C. Girao<sup>1</sup>

<sup>1</sup>Gynecology, <sup>2</sup>Surgery, Universidade Federal De Sao Paulo, Sao Paulo, <sup>3</sup>Institute of Chemistry, Universidade De Campinas, Campinas, Brazil

### P3-317

#### Expression And Possible Role Of Ribonucleotide Reductase Subunit M2 (RRM2) In Endometriosis

Y. E. Jeon<sup>1</sup>, H. Y. Kim<sup>2</sup>, S. K. Seo<sup>3</sup>, S. Cho<sup>1</sup>, Y. S. Choi<sup>3</sup>, B. S. Lee<sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, Gangnam Severance Hospital, Yonsei University, <sup>2</sup>Obstetrics and Gynecology, Yongin Severance Hospital, Yonsei University, <sup>3</sup>Obstetrics and Gynecology, Severance Hospital, Yonsei University, Seoul, Republic Of Korea

### P3-318

#### Expression Of Survivin And Aurora B Kinase: Which Role In Endometriosis?

A. Calcagno<sup>1</sup>, T. Grassi<sup>1</sup>, L. Mariuzzi<sup>2</sup>, S. Marzinotto<sup>2</sup>, A. P. Londero<sup>1</sup>, M. Orsaria<sup>2</sup>, C. A. Beltrami<sup>2</sup>, D. Marchesoni<sup>1</sup>

<sup>1</sup>Clinic of Obstetrics and Gynecology, <sup>2</sup>Institute of Anatomic Pathology, University Of Udine, Udine, Italy

### P3-319

#### Glycodelin Glycoform Expression In The Healthy And Pathological Endometrium

A. Stendardi<sup>1</sup>, R. Focarelli<sup>2</sup>, F. Petraglia<sup>3</sup>, V. De Leo<sup>3</sup>, A. Capaldo<sup>2</sup>, P. Piomboni<sup>1</sup>

<sup>1</sup>Department of Biomedical Science, <sup>2</sup>Department of Evolutionary Biology, <sup>3</sup>Department of Pediatric, Obstetric and Reproductive Medicine, Universita' Di Siena, Siena, Italy

Topic	Area	Board #
17. <b>Pathophysiology/Aetiology</b>	PRE-REGISTRATION	320 to 376

### P3-320

#### Milk Fat Globule-EGF8 (MFGEF8) In The Endometrium For Patient Having Endometriosis

Ali Farid Mohamed Ali<sup>1</sup>, I. Gamal<sup>2</sup>, Sana El Shayp<sup>3</sup>, Samir Shaker<sup>4</sup>

<sup>1</sup>Heliopolis Research Center, <sup>2</sup>Egyptian Institute Of Energy And Nuclear Power, <sup>3</sup>Veterinary Faculty Of Medicine Kafr El Shekh ,

<sup>4</sup>National research center. Cairo, Egypt.

<sup>1</sup>Obstetrics and Gynecology, Heliopolis Research Center Cairo, Egypt, Cairo, Egypt

### P3-321

#### Nano Silver Treatment Of Experimental Rat Endometriosis Electron Microscopic Study

Ali Farid Mohamed Ali<sup>1</sup>, I. Gamal<sup>2</sup>, Sana El Shayp<sup>3</sup>, Samir Shaker<sup>4</sup>

<sup>1</sup>Heliopolis Research Center, <sup>2</sup>Egyptian Institute Of Energy And Nuclear Power, <sup>3</sup>Veterinary Faculty Of Medicine Kafr El Shekh ,

<sup>4</sup>National research center. Cairo, Egypt.

<sup>1</sup>Obstetrics and Gynecology, Heliopolis Research Center Cairo, Egypt, Cairo, Egypt

### P3-322

#### Effect Of Nano Gold On Mitochondrial Biomarkers In Endometriosis

Ali Farid Mohamed Ali<sup>1</sup>, I. Gamal<sup>2</sup>, Sana El Shayp<sup>3</sup>, Samir Shaker<sup>4</sup>

<sup>1</sup>Heliopolis Research Center, <sup>2</sup>Egyptian Institute Of Energy And Nuclear Power, <sup>3</sup>Veterinary Faculty Of Medicine Kafr El Shekh ,

<sup>4</sup>National research center. Cairo, Egypt.

<sup>1</sup>Obstetrics and Gynecology, Heliopolis Research Center Cairo, Egypt, Cairo, Egypt

### P3-323

#### Galectin-1 Expression In Human And Mice Endometriotic And Endometrial Tissue Is Restricted To Stromal And Vascular Cells

J. I. Baston<sup>1</sup>, A. Ricci<sup>1</sup>, M. Bilotas<sup>1</sup>, C. Olivares<sup>1</sup>, A. M. Gonzalez<sup>2</sup>, J. J. Singla<sup>3</sup>, G. A. Rabinovich<sup>1</sup>, R. I. Barañao<sup>1</sup>, G. Meresman<sup>1</sup>

<sup>1</sup>Instituto De Biología Y Medicina Experimental, <sup>2</sup>Hospital Naval, <sup>3</sup>Hospital De Clínicas "José De San Martín", Buenos Aires, Argentina

### P3-324

#### The Pre-Receptor Metabolism Contributes To Markedly Decreased Progesterone Action In Endometriosis

N. Beranič<sup>1</sup>, A. Starzinski-Powitz<sup>2</sup>, T. Lanišnik-Rižner<sup>1</sup>

<sup>1</sup>Institute of Biochemistry, Faculty Of Medicine, University Of Ljubljana, Ljubljana, Slovenia, <sup>2</sup>Johann-Wolfgang-Goethe-Universitaet, Institut der Anthropologie und Humangenetik fuer Biologen, Frankfurt, Germany

### P3-325

#### Restoring P27KIP1 Normalizes Aberrant Endometriosis Cell Proliferation By Modulating The Expression Of Cell Cycle-Related Proteins

C. M. Camargo-Kosugi<sup>1</sup>, G. A. Goncalves<sup>1</sup>, M. Secco<sup>2</sup>, P. F. Vassallo<sup>3</sup>, P. D'amora<sup>1</sup>, H. Sato<sup>1</sup>, E. Schor<sup>1</sup>, M. J. B. C. Girao<sup>1</sup>, I. D. C. G. Silva<sup>1</sup>

<sup>1</sup>Gynecology, Universidade Federal De Sao Paulo, <sup>2</sup>Genetic and Evolutive Biology, Universidade De Sao Paulo, Sao Paulo, <sup>3</sup>Physiological Sciences, Universidade Federal Do Espirito Santo, Vitoria, Brazil

**P3-326****Expression Of P63 Do Not Differs In Peritoneal Endometriosis, Endometriomas, And Deep Infiltrative Endometriosis**C. M. Bonoche<sup>1</sup>, J. C. Rosa e Silva<sup>1</sup>, D. B. DENTILLO<sup>1</sup>, M. L. Montenegro<sup>1</sup>, S. B. Garcia<sup>2</sup>, R. A. Ferriani<sup>1</sup><sup>1</sup>Gynecology and Obstetrics, <sup>2</sup>Patology, School Of Medicine Of Ribeirao Preto-USP, Ribeirão Preto, Brazil**P3-327****Potential Role Of Long Non-Coding Antisense Rnas In Control Of HOX-A And HOX-C Genes Expression In Endometriosis**B. Borghese<sup>1, 2, 3</sup>, D. Héquet<sup>1, 2, 3</sup>, J. Auer<sup>2, 3</sup>, S. Barbaux<sup>2, 3</sup>, P. Santulli<sup>1, 2, 3</sup>, J. Gogusev<sup>2, 3</sup>, C. Chapron<sup>1, 2, 3</sup>, D. Vaiman<sup>2, 3</sup><sup>1</sup>Service de Gynécologie Obstétrique 2 et Médecine de la Reproduction, Groupe Hospitalier Cochin - Saint-Vincent de Paul, AP-HP, Université Paris Descartes, <sup>2</sup>Institut Cochin, Université Paris Descartes, CNRS (UMR 8104), <sup>3</sup>Inserm, U1016, PARIS, France**P3-328****Analysis Of-Inflammatory Mediators In The Peritoneal Fluid Of Endometriosis Patients And A Control Group: Effect Of Contraception**E. Meylan<sup>1</sup>, R. Kumar<sup>1</sup>, I. Gori<sup>1</sup>, C. Ahtari<sup>1</sup>, D. Wunder<sup>1</sup>, G. Canny<sup>1</sup><sup>1</sup>Dept. of Gynecology and Obstetrics, University Hospital, Lausanne, Switzerland**P3-329****Relationship Between Maternal Blood Groups (ABO And Rhesus Factor) And Endometriosis For Caucasian Patients**M. Chartier<sup>1</sup>, C. Chapron<sup>1</sup> and C.de Souza, B. Borghese, P.Santulli, I.Streuli, H. Foulot, MC. Lafay-Pillet MC, D. de Ziegler<sup>1</sup>Department of Gynecology Obstetrics II and Reproductive Medicine, Université Paris Descartes, Assistance Publique-Hôpitaux de Paris, Centre Hospitalier Universitaire (CHU) Cochin Saint Vincent de Paul, Paris, France**P3-330****Expression Of COX-2, MPGES-1 And Toll-Like Receptor-3, 4 In Local Endometriosis Lesions**F. Chishima<sup>1</sup>, C. Hayashi<sup>1</sup>, M. Suzuki<sup>1</sup>, G. Ichikawa<sup>1</sup>, T. Nakazawa<sup>1</sup>, K. Sugita<sup>1</sup>, T. Yamamoto<sup>1</sup><sup>1</sup>Department of Obstetrics and Gynecology, NIHON UNIVERSITY SCHOOL OF MEDICINE, Tokyo, Japan**P3-331****Could Peripheral Blood T Cells Be Important In The Angiogenesis Of Ectopic Tissue?**H. Bauska<sup>1</sup>, M. Gabrys<sup>2</sup>, I. Jalocho<sup>2</sup>, E. Wojdat<sup>3</sup>, A. Chrobak<sup>4</sup><sup>1</sup>Department of Protein Biotechnology, University of Wrocław, <sup>2</sup>First Department of Gynecology and Obstetrics, Wrocław Medical University, <sup>3</sup>Institute of Immunology and Experimental Therapy, <sup>4</sup>Laboratory of Reproductive Immunology, Institute of Immunology and Experimental Therapy, Wrocław, Poland**P3-332****Decreased Estrogen Receptor Alpha Level In Peripheral Blood And Peritoneal T-Cells Of Women With Endometriosis**U. Sieradzka<sup>1</sup>, M. Jedryka<sup>1</sup>, M. Gabrys<sup>2</sup>, D. Gawron<sup>3</sup>, M. Goluda<sup>1</sup>, A. Chrobak<sup>4</sup><sup>1</sup>Wrocław Medical University, Wrocław, Poland, <sup>2</sup>First Department of Gynecology and Obstetrics, Wrocław Medical University, <sup>3</sup>Department of Protein Biotechnology, University of Wrocław, <sup>4</sup>Laboratory of Reproductive Immunology, Institute of Immunology and Experimental Therapy, Wrocław, Poland**P3-333****Expression Of EMT Markers In Human Endometriotic Lesions**M. Furuya<sup>1</sup>, K. Kamata<sup>2</sup>, K. Ito<sup>1</sup>, H. Nishiyama<sup>1</sup>, H. Asada<sup>1</sup>, Y. Yoshimura<sup>1</sup>, H. Saya<sup>2</sup><sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Division of Gene Regulation, Institute for Advanced Medical Research, Keio University School of Medicine, Shinjuku, Tokyo, Japan**P3-334****Identification Of Endometrial Stem Cells In Menstrual Blood And Peritoneal Fluid Of Women With Endometriosis**C. E. Gargett<sup>1</sup>, C. Tan<sup>1</sup>, H. Masuda<sup>1</sup>, E. Anwar<sup>1</sup>, I. Ciurej<sup>1</sup>, J. Rao<sup>2</sup>, G. Weston<sup>3</sup><sup>1</sup>The Ritchie Centre, Monash Institute Of Medical Research, <sup>2</sup>Prince Henry's Institute, <sup>3</sup>Obstetrics and Gynaecology, Monash University, Clayton, Australia**P3-335****Decreased Concentration Of TH17 Lymphocytes In Peritoneal Fluid Of Patients With Endometriosis - An Exploratory Study**M. Z. Gogacz<sup>1</sup>, A. Bojarska<sup>2</sup>, I. Winkler<sup>1</sup>, A. Semczuk<sup>1</sup>, J. A. Jakowicki<sup>1</sup>, W. Dmowski<sup>3</sup>, D. P. Braun<sup>4</sup>,A. Adamiak-Godlewska<sup>1</sup><sup>1</sup>Gyn Surg, Medical University Lublin, Lublin, <sup>2</sup>Immunology, Medical University Lublin, Lublin, Poland, <sup>3</sup>Reproductive Medicine Institute, Chicago, <sup>4</sup>Medical College of Ohio Cancer Institute, Ohio, United States**P3-336****Presence Of T Regulatory Lymphocytes In Peritoneal Fluid And Peripheral Blood Of Patients With Endometriosis - An Exploratory Study**M. Z. Gogacz<sup>1</sup>, A. Bojarska<sup>2</sup>, I. Winkler<sup>1</sup>, A. Semczuk<sup>1</sup>, J. A. Jakowicki<sup>1</sup>, W. Dmowski<sup>3</sup>, D. P. Braun<sup>4</sup>,A. Adamiak-Godlewska<sup>1</sup><sup>1</sup>Dept Gyn Surg, <sup>2</sup>Dept Immunol, Medical University Lublin, Lublin, Poland, <sup>3</sup>Reproductive Medicine Institute, Chicago, <sup>4</sup>Medical College of Ohio Cancer Institute, Ohio, United States

**P3-337**

**Molecular Basis Of Estrogen Receptor Alpha Expression In Endometriotic Tissues**

M. Izawa<sup>1</sup>, F. Taniguchi<sup>2</sup>, N. Terakawa<sup>2</sup>, T. Harada<sup>2</sup>

<sup>1</sup>Biosignaling, <sup>2</sup>Obstetrics and Gynecology, Tottori University School Of Medicine, Yonago, Japan

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**Oil Soluble Contrast Medium For Hysterosalpingography Suppressed Endometriosis In Mouse Model**

G. Izumi<sup>1</sup>, K. Koga<sup>1</sup>, Y. Osuga<sup>1</sup>, Y. Urata<sup>1</sup>, M. Takamura<sup>1</sup>, M. Harada<sup>1</sup>, T. Hirata<sup>1</sup>, O. Yoshino<sup>1</sup>, Y. Taketani<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, The University of Tokyo, Tokyo, Japan

**P3-339**

**Hypoxia Induces Expression Of COX-2 Through The Homeodomain Transcription Factor CDX2 And Orphan Nuclear Receptor SHP In Human Endometriotic Stem Cells**

J. K. Joo<sup>1</sup>, J. B. Son<sup>1</sup>, K. S. Lee<sup>1</sup>

<sup>1</sup>Obstetrics & Gynecology, Pusan National University, Busan, Republic Of Korea

**P3-340**

**Curcumin Attenuates The Expression Of Intercellular Adhesion Molecule-1, Vascular Cell Adhesion Molecule-1 And Cytokines In TNF-A-Stimulated Human Endometriotic Stromal Cells**

J. K. Joo<sup>1</sup>, J. B. Son<sup>1</sup>, K. S. Lee<sup>1</sup>

<sup>1</sup>Obstetrics & Gynecology, Pusan National University, Busan, Republic Of Korea

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**The Pharmacological NF-KB Inhibitor Bay11-7085 Suppresses The Expression Of Intercellular Adhesion Molecule-1 And Vascular Cell Adhesion Molecule-1 In TNF-A-Stimulated Human Endometriotic Stromal Cells**

J. K. Joo<sup>1</sup>, J. B. Son<sup>1</sup>, K. S. Lee<sup>1</sup>

<sup>1</sup>Obstetrics & Gynecology, Pusan National University, Busan, Republic Of Korea

**P3-342**

**The Down Regulation Of Microrna-451 (MIR-451) May Influence Cell Proliferation And Inflammation In A Baboon Model Of Endometriosis**

N. R. Joshi<sup>1</sup>, A. Fazleabas<sup>1</sup>

<sup>1</sup>OB/ GYN & Reprod Biol, Michigan State University, Grand Rapids, United States

**P3-343**

**Quantification Of Endocannabinoids In Peritoneal Fluid Of Women With Endometriosis - Is There A Difference Between Active And In-Active Disease?**

S.-J. Mason-Birks<sup>1</sup>, T. Marczylo<sup>1</sup>, P. Lam<sup>1</sup>, J. C. Konje<sup>1</sup>

<sup>1</sup>Reproductive Sciences Section, CSMM, University Of Leicester, Leicester, United Kingdom

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**Ovarian, And Non-Ovarian Expression Of The Hormone Receptors Determined Using An Endometriosis Tissue Microarray Model And The Paracrine Hypothesis**

T. Grassi<sup>1</sup>, A. Calcagno<sup>1</sup>, L. Mariuzzi<sup>2</sup>, S. Marzinotto<sup>2</sup>, A. P. Londero<sup>1</sup>, M. Orsaria<sup>2</sup>, C. A. Beltrami<sup>2</sup>, D. Marchesoni<sup>1</sup>

<sup>1</sup>Clinic of Obstetrics and Gynecology, <sup>2</sup>Institute of Anatomic Pathology, University Of Udine, Udine, Italy

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**Expression Of Tissue Inhibitors Of Metalloproteinases (TIMPS) And Their Putative Regulatory Micro-RNAs (MIRNA) In Ovarian Endometriosis**

R. B. Maksym<sup>1, 2</sup>, L. Milewski<sup>1, 2</sup>, M. Janiak<sup>1</sup>, W. Baranowski<sup>2</sup>, P. Kamiński<sup>3</sup>, E. Barcz<sup>3</sup>, P. I. Roszkowski<sup>4</sup>, J. Malejczyk<sup>1</sup>, P. Włodarski<sup>1</sup>

<sup>1</sup>Department of Histology and Embryology, Medical University of Warsaw, <sup>2</sup>Military Institute of Medicine, <sup>3</sup>Department of Obstetrics and Gynecology, <sup>4</sup>II Department of Obstetrics and Gynecology, Medical University of Warsaw, Warsaw, Poland

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**Associations Between Peritoneal Fluid Cytokines And Pelvic Adhesion Formation In Endometriosis**

J. Malejczyk<sup>1,\*</sup>, E. Barcz<sup>2</sup>, L. Milewski<sup>1</sup>, P. Dziunycz<sup>1</sup>, P. Kamiński<sup>2</sup>

<sup>1</sup>Department of Histology and Embryology, <sup>2</sup>I Department of Obstetrics and Gynecology, Medical University Of Warsaw, Warsaw, Poland

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**Multifunctional Role Of Hepatocyte Growth Factor In The Development Of Pelvic Endometriosis**

S. Tateishi<sup>1</sup>, K. Khan<sup>1</sup>, M. Kitajima<sup>1</sup>, A. Fujishita<sup>2</sup>, T. Ishimaru<sup>3</sup>, H. Masuzaki<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, Nagasaki University School of Medicine, <sup>2</sup>Department of Obstetrics and Gynecology, Nagasaki Saiseikai Hospital, <sup>3</sup>Department of Obstetrics and Gynecology, Sasebo Chuo Hospital, Nagasaki, Japan

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**Cross-Talk Between Inflammation And Stress Reaction In Toll-Like Receptor 4 (TLR4)-Mediated Growth Of Endometriosis**

T. Inoue<sup>1</sup>, K. Khan<sup>1</sup>, M. Kitajima<sup>1</sup>, K. Hiraki<sup>1</sup>, A. Fujishita<sup>2</sup>, H. Masuzaki<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, Nagasaki University School of Medicine, <sup>2</sup>Department of Obstetrics and Gynecology, Nagasaki Saiseikai Hospital, Nagasaki, Japan

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**Effect Of Human Seminal Fluid On The Growth Of Endometrial Cells Of Women With Endometriosis**

A. Matsumoto<sup>1</sup>, K. Khan<sup>1</sup>, M. Kitajima<sup>1</sup>, K. Hiraki<sup>1</sup>, A. Fujishita<sup>2</sup>, H. Masuzaki<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, Nagasaki University School of Medicine, <sup>2</sup>Department of Obstetrics and Gynecology, Nagasaki Saiseikai Hospital, Nagasaki, Japan

**P3-350****Glucose Transporter Expression In eu- And Ectopic Endometrial Tissue**B. D. Mckinnon<sup>1</sup>, N. A. Bersinger<sup>1, 2</sup>, J. Evers<sup>2</sup>, M. D. Mueller<sup>2</sup><sup>1</sup>Department of Clinical Research, <sup>2</sup>Department of Obstetrics and Gynaecology, University of Bern, Bern, Switzerland**P3-351****Increased Uterine Natural Killer Cell (UNK) Progenitors And Decreased UNK Cells In Endometriosis Suggest An NK Maturation Defect**M. McMenamin<sup>1, 2</sup>, T. Lysakova-Devine<sup>3</sup>, M. Wingfield<sup>1, 2</sup>, C. O'Herlihy<sup>2</sup>, C. O'Farrelly<sup>3</sup><sup>1</sup>Merrion Fertility Clinic, <sup>2</sup>National Maternity Hospital, <sup>3</sup>School of Biochemistry and Immunology, Trinity College Dublin, Dublin, Ireland**P3-352****Smooth Muscle Metaplasia In Peritoneal Endometriotic Lesions**J. Gericke<sup>1</sup>, M.-L. Barcena de Arellano<sup>1</sup>, U. Reichelt<sup>1</sup>, A. D. Ebert<sup>2</sup>, V. Chinatera<sup>1</sup>, A. Schneider<sup>1</sup>, S. Mechsner<sup>1</sup><sup>1</sup>Gynecology, Charité, <sup>2</sup>Gynecology, Humboldt Krankenhaus, Berlin, Germany**P3-353****The Effect Of Tamoxifen And Estradiol On Stromal Cell Migration Through A Three Dimensional Co-Culture Model Of Adenomyosis**V. Kalathy<sup>1</sup>, M. K. Mehaseb<sup>1</sup>, A. Taylor<sup>1</sup>, M. Habiba<sup>2</sup><sup>1</sup>Cancer studies and molecular medicine - Reproductive sciences section, University of Leicester, <sup>2</sup>Cancer studies and molecular medicine - Reproductive sciences section, University of Leicester / University Hospitals of Leicester NHS Trust, Leicester, United Kingdom**P3-354****Neurotrophin Signalling In Adenomyosis: The Effects Of Estradiol And Tamoxifen**A. Taylor<sup>1</sup>, V. Kalathy<sup>1</sup>, M. K. Mehaseb<sup>1</sup>, M. Habiba<sup>2</sup><sup>1</sup>Cancer studies and molecular medicine - Reproductive sciences section, University of Leicester, <sup>2</sup>Cancer studies and molecular medicine - Reproductive sciences section, University of Leicester / University Hospitals of Leicester NHS Trust, Leicester, United Kingdom**P3-355****Gene Expression Profiling Of Adenomyotic Uteri Identifies Defects In Both The Inner And Outer Myometrium**M. K. Mehaseb<sup>1</sup>, A. Taylor<sup>1</sup>, M. Habiba<sup>2</sup><sup>1</sup>Cancer Studies and Molecular Medicine - Reproductive sciences section, University of Leicester, <sup>2</sup>Cancer Studies and Molecular Medicine - Reproductive sciences section, University of Leicester / University Hospitals of Leicester NHS Trust, Leicester, United Kingdom**P3-356****Downregulation Of Interleukin-1 Receptor Accessory Protein In Endometriosis**N. Michaud<sup>1</sup>, A. Akoum<sup>1</sup>, N. Bourcier, M. Leboeuf, M. Lemyre, J. Mailloux, K. Girard, G. Gagnon, P. Blanchet, M. Al-Akoum<sup>1</sup>Obstetric and gynecology, Laval University, Québec, Canada**P3-357****Role Of Interleukin 1 Receptors Deficiency In Endometriosis**N. F. Michaud<sup>1</sup>, A. Akoum<sup>1</sup> and N. Bourcier<sup>1</sup>Obstetric and gynecology, Laval University, Québec, Canada**P3-358****The Role Of Heme Oxygenase 1 (HMOX1) Gene In Etiopathogenesis Of Endometriosis**L. Milewski<sup>1, 2</sup>, J. Ponińska<sup>3</sup>, R. B. Maksym<sup>1, 2</sup>, K. Wójtowicz<sup>1</sup>, P. Kamiński<sup>4</sup>, P. I. Roszkowski<sup>5</sup>, W. Baranowski<sup>2</sup>, P. Włodarski<sup>1</sup>, R. Płoski<sup>3</sup>, J. Malejczyk<sup>1</sup><sup>1</sup>Department of Histology and Embryology, Medical University Of Warsaw, <sup>2</sup>Military Institute of Medicine, <sup>3</sup>Department of Medical Genetics, <sup>4</sup>Department of Obstetrics and Gynecology, <sup>5</sup>II Department of Obstetrics and Gynecology, Medical University Of Warsaw, Warsaw, Poland**P3-359****Steroidogenic Factor 1 And Endometriosis: A Word Of Caution**J.-C. Noel<sup>1</sup>, I. Fayt<sup>1</sup>, V. Anaf<sup>1</sup><sup>1</sup>Gynaecopathology, Erasme University Hospital-ULB, Brussels, Belgium, Brussels, Belgium**P3-360****Analysis Of The Degree Of Histological Differentiation And Its Correlation With Immunohistochemical Expression Of BAX And APAF-1 In Women With Deep Endometriosis**R. Gomes<sup>1</sup>, H. S. Abdalla Ribeiro<sup>1</sup>, R. P. Fernandes<sup>1</sup>, M. A. L. Galvao<sup>2</sup>, F. S. Kuteken<sup>1</sup>, P. A. Ribeiro<sup>1</sup><sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Pathology, Santa Casa Medical School, Sao Paulo, Brazil**P3-361****TRPV1 Expression On Peritoneal Endometriosis FOCI Is Associated With Chronic Pelvic Pain**J. C. Rosa-E-Silva<sup>1</sup>, M. G. Rocha<sup>1</sup>, A. R. Silva<sup>1</sup>, F. J. Candido-Dos-Reis<sup>1</sup>, A. A. Nogueira<sup>1</sup>, O. B. Poli-Neto<sup>1</sup><sup>1</sup>Gynecology and Obstetrics, School Of Medicine Of Ribeirão Preto, Ribeirão Preto, Brazil**P3-362****Critical Analyses Of The The Family History On The Development Of Endometriosis**G. M. D. S. S. Safe<sup>1, 2</sup>, J. D. V. Safe<sup>1</sup><sup>1</sup>Endometriosis, Safeendometriose, Belo Horizonte, <sup>2</sup>Gynecologie, Unec, Caratinga, Brazil

### P3-363

#### Deep Bladders Endometriosis, With Or Without Previous History Of Uterine Surgery, Are Not Different Pathologies

S. Sanguin<sup>1</sup>, P. Santulli<sup>1, 2, 3</sup>, B. Borghese<sup>1, 2, 3</sup>, D. de Ziegler<sup>1</sup>, M. C. Lafay-Pillet<sup>1</sup>, C. Chapron<sup>1, 2, 3</sup>

<sup>1</sup>Department of Gynecology Obstetrics II and Reproductive Medicine, Université Paris Descartes, AP- HP, Centre Hospitalier Universitaire Cochin Saint Vincent de Paul, <sup>2</sup>CNRS (UMR 8104), Institut Cochin, Université Paris Descartes, <sup>3</sup>Unité de recherche U1016, Inserm, Paris, France

### P3-364

#### Expression And Functional Role Of The LH/CG Receptor In Endometriosis

P. Santulli<sup>1, 2</sup>, B. Borghese<sup>1, 2</sup>, M. Misrahi<sup>3</sup>, J. C. Noel<sup>4</sup>, F. Batteux<sup>5</sup>, D. Vaiman<sup>2</sup>, C. Chapron<sup>1, 2</sup>

<sup>1</sup>Department of Gynecology Obstetrics II and Reproductive Medicine, Université Paris Descartes, AP- HP, Cochin Saint Vincent de Paul, <sup>2</sup>Unité de recherche U1016, Inserm, Paris, <sup>3</sup>U 854, Inserm, Le Kremlin Bicetre, France, <sup>4</sup>Department of Pathology, Erasme University Hospital, Bruxelles, Belgium, <sup>5</sup>EA 1833 AP-HP Hôpital Cochin, Université Paris Descartes, Paris, France

### P3-365

#### A Role For Androgens And The Slit/Robo System In Endometriosis

P.T. Saunders<sup>1</sup>, F. Collins<sup>1</sup>, E. Marshall<sup>1</sup>, S. McDonald<sup>1</sup>, H. O. Critchley<sup>1</sup>, A. W. Horne<sup>1</sup>

<sup>1</sup>MRC Centre for Reproductive Health, The University Of Edinburgh, Edinburgh, United Kingdom

### P3-366

#### Growth And Angiogenesis Of Ectopic Human Endometrial Lesions In Different Immunodeficient Mouse Models Of Endometriosis

L. Söhngen<sup>1, 2</sup>, M. Schmidt<sup>3</sup>, R. Kimmig<sup>3</sup>, E. Winterhager<sup>2</sup>, N. Maass<sup>1</sup>, R. Grümmer<sup>2</sup>

<sup>1</sup>Gynaecology and Obstetrics, University Hospital Aachen, Aachen, <sup>2</sup>Molecular Biology, <sup>3</sup>Gynaecology and Obstetrics, University Hospital Essen, Essen, Germany

### P3-367

#### Tissue Remodelling Is A Hallmark Of Peritoneal Endometriosis Lesions

P. L. Strissel<sup>1</sup>, D. L. Wachter<sup>2</sup>, A. Agaimy<sup>2</sup>, F. Sohler<sup>3</sup>, A. Sommer<sup>3</sup>, O. F. M. Fischer<sup>4</sup>, S. P. Renner<sup>1</sup>, P. A. Fasching<sup>1</sup>, M. W. Beckmann<sup>1</sup>, R. Strick<sup>1</sup>

<sup>1</sup>Obstetrics and Gynecology, <sup>2</sup>Pathology, University Clinic, Erlangen, <sup>3</sup>Global Drug Discovery, Target Discovery, <sup>4</sup>Global Drug Discovery, Therapeutic Research Group Women's Healthcare, Bayer Healthcare Pharmaceuticals, Berlin, Germany

### P3-368

#### Migratory Behaviour Of Cells Derived From Eutopic Endometrium In Endometriosis Under Hypoxic Microenvironment

C. W. Tan<sup>1, 2</sup>, C. P. Ng<sup>1</sup>, H. H. Tan<sup>3</sup>, S. F. Loh<sup>3</sup>, M. Choolani<sup>2</sup>, L. Griffith<sup>1, 4</sup>, J. Chan<sup>1, 2, 3</sup>

<sup>1</sup>The BioSystem and Micromechanics (BioSyM), Singapore-MIT Alliance for Research and Technology, <sup>2</sup>Yong Loo Lin School of Medicine, National University of Singapore, <sup>3</sup>Department of Reproductive Medicine, KK Women's and Children's Hospital, Singapore, Singapore, <sup>4</sup>Department of Biological and Mechanical Engineering, Massachusetts Institute of Technology, Boston, United States

### P3-369

#### Aberrant Expression Of IAP Family In Endometriotic Cells May Cause Resistance To Apoptosis

F. Taniguchi<sup>1</sup>, M. Izawa<sup>2</sup>, T. Uegaki<sup>1</sup>, T. Iwabe<sup>1</sup>, N. Terakawa<sup>1</sup>, T. Harada<sup>1</sup>

<sup>1</sup>Ob/Gyn, <sup>2</sup>Biosignaling, Tottori University Faculty Of Medicine, Yonago, Japan

### P3-370

#### Body Size And Endometriosis Risk

O. Uimari<sup>1</sup>, I. Järvelä<sup>1</sup>, H. Martikainen<sup>1</sup>

<sup>1</sup>Obstetrics and gynecology, University Hospital, Oulu, Finland

### P3-371

#### Increase In Thymic Stromal Lymphopoietin And Its Regulatory Mechanism In Endometriosis

Y. Urata<sup>1</sup>, Y. Osuga<sup>1</sup>, K. Koga<sup>1</sup>, M. Nagai<sup>1</sup>, G. Izumi<sup>1</sup>, M. Takamura<sup>1</sup>, M. Harada<sup>1</sup>, O. Yoshino<sup>1</sup>, Y. Taketani<sup>1</sup>

<sup>1</sup>Obstetrics And Gynecology, University Of Tokyo, Tokyo, Japan

### P3-372

#### In Vivo Oxidative Stress Imaging In Early Development Of Endometriosis In Mice

G. C. W. Man<sup>1</sup>, T. Zhang<sup>1</sup>, C. C. Wang<sup>1</sup>

<sup>1</sup>Department of Obstetrics & Gynaecology, The Chinese University Of Hong Kong, Shatin, Hong Kong, China

### P3-373

#### Cytokine Profiling In The First 24 Hour Of Experimental Endometriosis In Mice

T. Zhang<sup>1</sup>, G. C. W. Man<sup>1</sup>, C. Y. Chu<sup>1</sup>, C. C. Wang<sup>1</sup>

<sup>1</sup>Department of Obstetrics & Gynaecology, The Chinese University Of Hong Kong, Shatin, Hong Kong, China

**P3-374**

**Evidence Of The Monoclonality Of Endometriotic Epithelial Glands And Mosaic Pattern Of Clonal Distribution In Glandular Epithelium**

S. Wang<sup>1</sup>, J.-H. Lang<sup>1</sup>, J.-H. Leng<sup>1</sup>

<sup>1</sup>Department of Obstetrics and Gynecology, Peking Union Medical College Hospital, Beijing, China

**P3-375**

**Differential Regulation Of Hemopexin In Peritoneal Fluid Of Endometriosis Patients**

M. M. Wöfler<sup>1</sup>, A. Steinle<sup>1</sup>, C. Henkel<sup>2</sup>, L. Söhngen<sup>1</sup>, I. Meinhold-Heerlein<sup>1</sup>, N. Maass<sup>1</sup>, K. Bräutigam<sup>1</sup>

<sup>1</sup>Obstetrics&Gynecology, <sup>2</sup>Pathology, University Aachen, Aachen, Germany

**P3-376**

**OMENTIN-1 Concentration Is Increased In The Peritoneal Fluid Of Women With Endometriosis**

K. W. Yi<sup>1</sup>, H. T. Park<sup>1</sup>, J.-H. Shin<sup>1</sup>, T. Kim<sup>1</sup>, J.-Y. Hur<sup>1</sup>, S. H. Kim<sup>1</sup>

<sup>1</sup>Obstetrics & Gynecology, Korea university Medical center, Seoul, Republic Of Korea



## Congress Venue



4 – 7 SEPTEMBER 2011

Le Corum  
Esplanade Charles de Gaulle  
34000 Montpellier  
France



### Tip!

Pick your hotel within walking distance of the congress centre. They are all right in the centre of the city. You have all the shops and restaurants around.

### HOW TO GET TO LE CORUM

#### Montpellier-Méditerranée International Airport

The airport serves 60 destinations with 14 flights a day to Paris (a flight of one hour and ten minutes). From the airport to the centre of Montpellier it is a 20 minute drive.

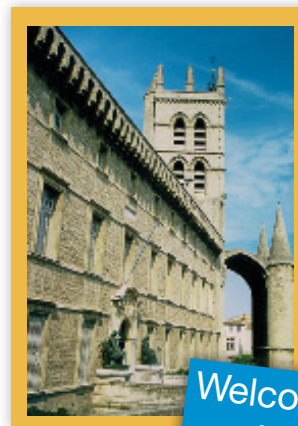
#### Train (T.G.V.) to Montpellier from all major French cities

11 daily connections from Paris (a 3 hour 15 minute journey)

The station is a 10 minute walk from Le Corum.

#### Motorway

Exit 29 Montpellier Est, Town Centre  
500 car parking spaces under Le Corum.



**The Faculty of Medicine** is the Western world's oldest medical school still in use.

Welcome to Montpellier  
Welcome to the  
SOUTH OF FRANCE

### LANGUAGE

The official language of the congress is English. There will be no simultaneous translation.

### CLIMATE

The average temperature in Montpellier in September ranges between 18 – 25°C.

### CLOTHING

Informal for all occasions.



### Tip!

Before the congress:  
Take a holiday in a beach resort

After the congress:  
Visit a vineyard. It is harvest time!

# Registration & Accommodation

**Contact:** reg@wce2011fr.com

## REGISTRATION

Registration fees (including VAT)

<b>EARLY BIRD Before 31 May 2011</b>	<b>Standard delegate</b>	<b>WES member</b>	<b>Scientist, vTrainee*</b>	<b>Student, Nurse* Patients**</b>
<b>CONGRESS Monday-Tuesday-Wednesday (1)</b>	€480	€400	€240	€200
<b>PRE CONGRESS COURSE Sunday (2)</b>	€120	€100	€90	€70
<b>LATE BIRD From 1 June 2011</b>				
<b>CONGRESS Monday-Tuesday-Wednesday (1)</b>	€530	€450	€290	€250
<b>PRE CONGRESS COURSE Sunday (2)</b>	€170	€150	€130	€120
<b>ON SITE</b>				
<b>CONGRESS Monday-Tuesday-Wednesday (1)</b>	€630	€550	€390	€350
<b>PRE CONGRESS COURSE Sunday (2)</b>	€220	€200	€180	€170

\* Registration form must be accompanied by a letter from their head of department confirming their status.

\*\* Women representing endometriosis support organisations.

Fees for participants include:

1 Opening ceremony on Sunday / participation in all scientific sessions on Monday, Tuesday, Wednesday / entrance to the exhibition / abstract book and final programme / coffee breaks

2 Participation on Sunday in one of the pre-congress courses (PC#1 or PC#2) and the opening ceremony.

PC#1: "Excellence in endometriosis surgery"

PC#2: "The uterus in the endometriosis-adenomyosis syndrome"

## SOCIAL EVENTS

### Opening ceremony

Le Corum: Sunday, 4 September 2011

**Congress dinner** (€60 including VAT)

The Faculty of Medicine: Monday, 5 September 2011

### City tours and excursions

Montpellier walking city tour: Sunday, 4 September - 15:00 to 17:00 (€17 including VAT)

Foot racing - city tours: Wednesday, 8 September - 18:30 (€10 including VAT)

## ACCOMMODATION

The organisers have made block bookings in various categories of hotels.

## WORLD ENDOMETRIOSIS SOCIETY

### PRESIDENT

2008-2011: **Johannes LH EVERS** *The Netherlands*

### PRESIDENT ELECT

2011-2014: **Paolo VERCELLINI** *Italy*

### SECRETARY GENERAL

Lone **HUMMELSHOJ** *United Kingdom*

### PAST PRESIDENTS

2005-2007: **Rodolphe MAHEUX** *Canada*

2002-2005: **Robert SHAW** *United Kingdom*

2000-2002: **John ROCK** *United States*

1998-2000: **Jacques DONNEZ** *Belgium*



WORLD  
ENDOMETRIOSIS  
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## WCE 2011

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Collège National des Gynécologues et Obstétriciens Français



Fédération Nationale des Collèges de Gynécologie Médicale



Société de Chirurgie Gynécologique et Pelvienne



### LOCAL ORGANISING COMMITTEE

Bernard HEDON - *Chairman*

Hervé DECHAUD - *Scientific programme director*

Samir HAMAMAH

Lionel REYFTMANN



WCE 2011

TOWARDS EXCELLENCE

### NATIONAL ORGANISING COMMITTEE

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### CONGRESS SECRETARIAT

Anne-France PUECH - *Congress Coordinator*

MCI France

121 rue d'Athènes

34000 Montpellier - France

Tel: +33 (0)4 67 61 94 14

Fax: +33 (0)4 67 63 43 95

Email: info@wce2011fr.com