

**[Day 1] September 22 (Thursday)**

**Room 1 (Conference Hall)**

**Opening Ceremony**

Date and Time: September 22 (Thursday) 11:50~12:00

Session Room: Room 1 (Conference Hall)

**Luncheon Seminar 1**

**New concept on pathogenesis of endometriosis**

Co-sponsored by Fuji Pharma Co., Ltd.

Date and Time: September 22 (Thursday) 12:00~13:00

Session Room: Room 1 (Conference Hall)

Moderators: Sun-Wei Guo

(Fudan University, China)

Yutaka Osuga

(The University of Tokyo, Japan)

**LS1-1 Sampson's theory: Past-present-future**

Tasuku Harada

(Tottori University, Japan)

**LS1-2 Role of bacterial contamination in endometriosis**

Khaleque Khan

(Kyoto Prefectural University of Medicine, Japan)

**Symposium 1-1**

**Epigenetics and stem cell research in pathogenesis of endometriosis**

Date and Time: September 22 (Thursday) 14:00~15:15

Session Room: Room 1 (Conference Hall)

Moderators: Shaw-Jenq Sean Tsai

(National Cheng Kung University, Taiwan)

Tetsuo Maruyama

(Keio University, Japan)

**SY1-1-1 Endometrial stem/progenitor cells and endometriosis**

Hiroataka Masuda

(Keio University, Japan)

**SY1-1-2 Epigenetic regulation of endometriosis**

Ryo Maekawa  
(Yamaguchi University, Japan)

**SY1-1-3 Epigenetic regulation of steroid hormone responsiveness in endometriosis**

Asgi T. Fazleabas  
(Michigan State University, USA)

**Sponsored Symposium I****Current medical treatment of endometriosis**

Co-sponsored by Takeda Pharmaceutical Co., Ltd.

Date and Time: September 22 (Thursday) 15:45~17:30

Session Room: Room 1 (Conference Hall)

Moderators: Young Min Choi  
(Seoul National University, Korea)  
Norihiro Sugino  
(Yamaguchi University, Japan)

**SS1-1 Overview on current drug therapy for endometriosis**

Mikio Momoeda  
(St. Luke's International Hospital, Japan)

**SS1-2 Vaginal progestins for the endometriosis related pain**

Felice Petraglia  
(University of Siena, Italy)

**SS1-3 Long-term management of endometriosis-associated pelvic pain**

Jo Kitawaki  
(Kyoto Prefectural University of Medicine, Japan)

**Room 2 (Conference Room [1202])****Symposium 1-2****Adolescent endometriosis**

Date and Time: September 22 (Thursday) 14:00~15:15

Session Room: Room 2 (Conference Room [1202])

Moderators: Osamu Yoshino  
(University of Toyama, Japan)  
Moamar Al-Jefout  
(UAE University, UAE)

**SY1-2-1 Endometriosis among adolescents and young adults: incidence and management**

Angela G. Sison-Aguilar  
(University of the Philippines College of Medicine, Philippines)

**SY1-2-2 Endometriosis in the adolescent**

Lone Hummelshoj  
(World Endometriosis Society, UK)

**SY1-2-3 The management of endometriosis in adolescent**

Kutay Biberoglu  
(Gazi University Medical School, Turkey)

**Symposium 1-3****Novel approach to pathogenesis and carcinogenesis of endometriosis I**

Date and Time: September 22 (Thursday) 15:45~17:30

Session Room: Room 2 (Conference Room [1202])

Moderators: Chii-Ruey Tzeng  
(Taipei Medical University, Taiwan)  
Kaei Nasu  
(Oita University, Japan)

**SY1-3-1 Roles of microRNAs in the pathogenesis of endometriosis**

Kaei Nasu  
(Oita University, Japan)

**SY1-3-2 The role of angiogenesis in the pathogenesis of endometriosis**

Meng-Hsing Wu  
(National Cheng Kung University, Taiwan)

**SY1-3-3 Carcinogenesis and stress resistance of ovarian clear cell carcinoma associated with endometriosis**

Ken Yamaguchi  
(Kyoto University, Japan)

**SY1-3-4 Role of versican in the pathogenesis of peritoneal endometriosis**

Hirohiko Tani  
(Kyoto University, Japan)

**[Day 2] September 23 (Friday)****Room 1 (Conference Hall)****Symposium 2-1****Key mediators in pathogenesis of adenomyosis**

Date and Time: September 23 (Friday) 8:40~10:20

Session Room: Room 1 (Conference Hall)

Moderators: Makio Shozu

(Chiba University, Japan)

Sachiko Matsuzaki

(CHU Clermont-Ferrand/University of Auvergne, France)

**SY2-1-1 Is endometriosis a procoagulant disease?**

Sun-Wei Guo

(Fudan University, China)

**SY2-1-2 Inflammatory and neurogenic mediators in adenomyosis**

Felice Petraglia

(University of Siena, Italy)

**SY2-1-3 Role of epithelial-mesenchymal transition in human adenomyosis**

Khaleque Khan

(Kyoto Prefectural University of Medicine, Japan)

**SY2-1-4 IL-6/STAT3 signaling in adenomyosis**

Yasushi Hirota

(The University of Tokyo, Japan)

**Symposium 2-2****Clinical management of adenomyosis**

Date and Time: September 23 (Friday) 10:40~12:20

Session Room: Room 1 (Conference Hall)

Moderators: Takashi Murakami

(Shiga University of Medical Science, Japan)

Saeed Alborzi

(Shiraz University of Medical Science, Iran)

**SY2-2-1 Molecular features of the endometrial-myometrial interface in adenomyosis**

Hong-Yuan Huang

(Chang Gung Memorial Hospital, Taiwan)

**SY2-2-2 Relationship between endometriosis and adenomyosis: clinical implications**

Charles Chapron

(Paris Descartes University / Cochin University, France)

**SY2-2-3 Subtypes of adenomyosis assessed by MRI and their specification**

Yohei Kishi

(Nara Medical University, Takanohara Central Hospital, Japan)

**SY2-2-4 Conservative surgical treatment of adenomyosis**

Masato Nishida

(Kasumigaura Medical Center, Japan)

**Luncheon Seminar 2-1****Advanced surgery for endometriosis (Joint session with APAGE)**

Co-sponsored by Johnson &amp; Johnson K. K.

Date and Time: September 23 (Friday) 12:40~14:00

Session Room: Room 1 (Conference Hall)

Moderators: Ryo Konno

(Jichi Medical University Saitama Medical Center, Japan)

Mitsuru Shiota

(Kawasaki Medical School, Japan)

**LS2-1-1 Systematic laparoscopic surgery for deep infiltrating endometriosis**

Shigeo Akira

(Nippon Medical School, Japan)

**LS2-1-2 Challenge for extragenital endometriosis**

Masaaki Andou

(Kurashiki Medical Center, Japan)

**LS2-1-3 Urinary tract endometriosis (UTE)**

Chyi-Long Lee

(Chang Gung Memorial Hospital, Taiwan)

**LS2-1-4 Conservative surgery for uterine adenomyosis**

Chih-Feng Yen

(Linkou Chang Gung Memorial Hospital, Taiwan)

**Symposium 2-3****Aspects of immune and inflammatory reaction**

Date and Time: September 23 (Friday) 14:20~15:35

Session Room: Room 1 (Conference Hall)

Moderators: Aydin Arici

(Yale University, USA)

Yutaka Osuga

(The University of Tokyo, Japan)

**SY2-3-1 The role of Th17 cytokines in endometriosis**

Tetsuya Hirata

(The University of Tokyo, Japan)

**SY2-3-2 Peritoneal NK cell suppression in endometriosis**

Nagamasa Maeda  
(Kochi Medical School, Japan)

**SY2-3-3 Inflammatory pathways that contribute to the development of endometriosis**

Asgi T. Fazleabas  
(Michigan State University, USA)

**Sponsored Symposium II****What is the optimal management of women with endometriosis?**

Co-sponsored by Bayer Yakuin, Ltd.

Date and Time: September 23 (Friday) 16:00~17:40

Session Room: Room 1 (Conference Hall)

Moderators: Tasuku Harada  
(Tottori University, Japan)  
Mikio Momoeda  
(St. Luke's International Hospital, Japan)

**SS2-1 Overview of endometriosis**

Charles Chapron  
(Paris Descartes University / Cochin University Hospital, France)

**SS2-2 Management of endometriosis**

Felice Petraglia  
(University of Siena, Italy)

**SS2-3 Management of endometriosis in Japan**

Yoshiaki Ota  
(Kurashiki Medical Center, Japan)

**Room 2 (Conference Room [1202])****Symposium 2-4****Infertility and ovarian reserve**

Date and Time: September 23 (Friday) 8:40~10:20

Session Room: Room 2 (Conference Room [1202])

Moderators: Mikiya Nakatsuka  
(Okayama University, Japan)  
Ovrang Djahanbakhch  
(St. Bartholomew's Hospital, UK)

**SY2-4-1 The mechanism of reduced ovarian reserve in women with ovarian endometriomas**

Michio Kitajima  
(Nagasaki University, Japan)

**SY2-4-2 Ovarian Reserve: How much emphasis should we put on surgery for endometriosis?**

Akira Iwase  
(Nagoya University, Japan)

**SY2-4-3 Laparoscopic cystectomy and ovarian reserve**

Saeed Alborzi  
(Shiraz University of Medical Science, Iran)

**SY2-4-4 Biomarkers of endometriosis**

Chii-Ruey Tzeng  
(Taipei Medical University, Taiwan)

**Symposium 2-5****Controversies in surgery for endometriosis**

Date and Time: September 23 (Friday) 10:40~12:20

Session Room: Room 2 (Conference Room [1202])

Moderators: Kaori Koga  
(The University of Tokyo, Japan)  
Amphan Chalermchokcharoenkit  
(Mahidol University, Thailand)

**SY2-5-1 Robotic surgery for DIE treatment: pro and con**

Anton Fedorov  
(Moscow Regional Institute, Russia)

**SY2-5-2 Evaluation on the efficacy of laparoscopic conservative surgery combined with drug therapy for advanced endometriosis**

Xinmei Zhang  
(Zhejiang University, China)

**SY2-5-3 Laparoscopically assisted transvaginal sclerotherapy for infertile women with ovarian endometrioma**

Atsushi Fukui  
(Hirosaki University, Japan)

**SY2-5-4 En bloc-TLH in severe pelvic endometriosis**

Amphan Chalermchokcharoenkit  
(Mahidol University, Thailand)

## Luncheon Seminar 2-2

### Estrogen and endometriosis

Co-sponsored by Nobelpharma Co., Ltd. / Nippon Shinyaku Co., Ltd.

Date and Time: September 23 (Friday) 12:40~13:40

Session Room: Room 2 (Conference Room [1202])

Moderators: Shaw-Jenq Sean Tsai

(National Cheng Kung University, Taiwan)

Kiyoshi Takamatsu

(Tokyo Dental College Ichikawa General Hospital, Japan)

#### LS2-2-1 Evolution of estrogen synthase (aromatase)

Makio Shozu

(Chiba University, Japan)

#### LS2-2-2 Role of estrogen receptor beta in endometriosis

Fuminori Taniguchi

(Tottori University, Japan)

## Symposium 2-6

### Diagnostic challenges in endometriosis

Date and Time: September 23 (Friday) 14:00~15:15

Session Room: Room 2 (Conference Room [1202])

Moderators: Xinmei Zhang

(Zhejiang University, China)

Hidetaka Okada

(Kansai Medical University, Japan)

#### SY2-6-1 Proteomics research in endometriosis

Kyu Sup Lee

(Pusan National University, Korea)

#### SY2-6-2 Non-invasive diagnosis for malignant transformation of endometrioma

Hiroshi Kobayashi

(Nara Medical University, Japan)

#### SY2-6-3 Narrow band imaging for detection of subtle endometriosis

Yoke-Fai Fong

(National University of Singapore, Singapore)

## Selected Oral 1

Date and Time: September 23 (Friday) 15:40~16:40  
 Session Room: Room 2 (Conference Room [1202])  
 Moderators: Ken-ichi Furuya  
 (National Defense Medical College, Japan)  
 Sun-Wei Guo  
 (Fudan University, China)

**Clin-S1** A new compass in the surgical treatment of deep infiltrating endometriosis: a numerical multi-scoring system for endometriosis

Masao Ichikawa  
 (Nippon Medical School, Japan)

**Clin-S2** Evaluation of factors predicting diminished ovarian reserve before and after laparoscopic cystectomy for ovarian endometriomas: a prospective cohort study

Rie Ozaki  
 (Juntendo University, Japan)

**Clin-S3** Analysis of characteristics and reasons of delayed diagnosis of endometriosis

Xiaotong Han  
 (Peking University Third Hospital, China)

**Clin-S4** Vitamin K3 acupuncture point injection treatment of dysmenorrhoea

Li Wang  
 (Fudan University, China)

**Clin-S5** Further evidence that endometriosis is a hypercoagulable disease

Ding Ding  
 (Fudan University, China)

## Selected Oral 2

Date and Time: September 23 (Friday) 16:40~17:40  
 Session Room: Room 2 (Conference Room [1202])  
 Moderators: Hisashi Narahara  
 (Oita University, Japan)  
 Shaw-Jenq Sean Tsai  
 (National Cheng Kung University, Taiwan)

**Basic-S1** Ninjurin-1 in endometriosis and adenomyosis: its expression and regulator

Mariko Miyashita  
 (The University of Tokyo, Japan)

**Basic-S2** Is LAST1 the last hope for endometriosis?

Shih-Chieh Lin  
 (National Cheng Kung University, Taiwan)

**Basic-S3** Decreased endometrial expression of leukemia inhibitory factor receptor disrupts the STAT3 signaling in adenomyosis during the implantation window

Chih-Feng Yen

(Chang Gung Memorial Hospital, Taiwan)

**Basic-S4** Activated platelets induce increased estrogen production in endometriotic stromal cells

Qiuming Qi

(Fudan University, China)

**Basic-S5** Cytotoxic and immunosuppressive factors in cynomolgus monkeys with endometriosis

Shinichiro Nakamura

(Shiga University, Japan)

### Room 3 (Conference Room [803])

#### Oral 2-1

Date and Time: September 23 (Friday) 9:00~10:00

Session Room: Room 3 (Conference Room [803])

Moderators: Jinghua Leng

(China)

Hiroshi Ishikawa

(Chiba University, Japan)

**O-01** Malnutrition as a risk factor sepsis in infected endometrioma

Ilham Utama Surya

(University of Indonesia Cipto Mangunkusumo Hospital, Indonesia)

**O-02** A five-year experience with bowel endometriosis

Saeed Alborzi

(Shiraz University of Medical Science, Iran)

**O-03** Incision of the uterosacral ligaments in the early step. ~safe and effective surgical method for rectovaginal endometriosis~

Yohei Kishi

(Takanohara Central Hospital, Japan)

**O-04** Association between recurrence after laparoscopic cystectomy for ovarian endometriomas and ovarian reserve

Ayako Masuda

(Juntendo University, Japan)

## Oral 2-2

Date and Time: September 23 (Friday) 10:00~11:00

Session Room: Room 3 (Conference Room [803])

Moderators: Yong Taik Lim  
(Catholic University, Korea)  
Yasuhiko Kamada  
(Okayama University, Japan)

- O-05** Role of oral contraceptives in preventing progression of endometriosis symptoms  
Xiaotong Han  
(Peking University Third Hospital, China)
- O-06** The analysis of the learning curve in laparoscopic surgery for ovarian endometrioma  
Biyun Zhang  
(Cixi Maternal and Child Care Hospital, China)
- O-07** Local administration of 3-ethylpyridine, an inhibitor of CD44 and Tenascin, to ovarian endometriomas  
Toshio Igarashi  
(Teikyo University Chiba Medical Center, Japan)
- O-08** The research about the effect and mechanism of guiXiong xiaoyi wan in endometriosis  
Zhixing Jin  
(Fudan University, China)
- O-09** Long non-coding RNA TC0101441 predicts poor prognosis and promotes cell metastasis by upregulating KISS-1 to induce EMT in epithelial ovarian cancer  
Junjun Qiu  
(Fudan University, China)

## Video Session

Date and Time: September 23 (Friday) 14:00~15:00

Session Room: Room 3 (Conference Room [803])

Moderators: Xishi Liu  
(Fudan University, China)  
Imari Deura  
(Tottori University, Japan)

- VS1** Effect of dienogest on pain and ovarian endometrioma recurrence after laparoscopic resection of uterosacral ligaments with deep infiltrating endometriosis  
Akiyoshi Yamanaka  
(Kurashiki Medical Center / Shiga University, Japan)
- VS2** Hysteroscopic resection of uterine adenomyosis  
Jian Zhang  
(Shanghai Jiaotong University, China)

**VS3** Neck scarf of ureter and bulldog of uterine vessel in Da Vinci Robotic deep infiltrative endometriosis excision.

Yichen Chuang

(Far Eastern Memorial Hospital, Taiwan)

**VS4** Techniques of laparoscopic DIE (deep infiltrating endometriosis) nerve-sparing excision

Chung-hsien Sun

(Lucina Women & Children Hospital, Taiwan)

**VS5** Bowel Resection for deep infiltrating endometriosis

Hong Xu

(Shanghai Jiaotong University, China)

## Room 4 (Conference Room [804])

### Oral 2-3

Date and Time: September 23 (Friday) 9:00~10:00

Session Room: Room 4 (Conference Room [804])

Moderators: Guoyun Wang

(Qilu Hospital of Shandong University, China)

Hidetaka Okada

(Kansai Medical University, Japan)

**O-10** Evaluation of the pathological significance of aberrant endometrium-like tissue

Takashi Uehara

(Chiba University / National Cancer Center Hospital, Japan)

**O-11** Molecular background of estrogen receptor-dependent gene expression in endometriotic cells

Masao Izawa

(Tottori University, Japan)

**O-12** Combination of retrograde menstruation and stem cell theory based on comparative genomic hybridization

Kiumars Khodabakhshi Pirkalani

(Mehr Medical Group, Iran)

**O-13** Decreased expression of progesterone receptor in endometriosis

Asmarinah Asmarinah

(Universitas Indonesia, Indonesia)

## Oral 2-4

Date and Time: September 23 (Friday) 10:00~11:00

Session Room: Room 4 (Conference Room [804])

Moderators: Hermawan Wibisono  
(Tottori University, Japan)  
Ritsuo Honda  
(Kumamoto University, Japan)

**O-14** Employing selective fibroblast growth factor receptor tyrosine kinase inhibitor ameliorates endometriosis

Pei-Chin Chuang  
(Chang Gung Memorial Hospital, Taiwan)

**O-15** Ginsenoside protopanaxadiol induces the autophagy and restricts the growth of endometrial stromal cells in endometriosis by down-regulation of estrogen receptor  $\alpha$

Ming-Qing Li  
(Fudan University, China)

**O-16** Cytokines-mediated COUP-TFII suppression promotes VEGF-C expression in endometriosis

Wan-Ning Li  
(National Cheng Kung University, Taiwan)

**O-17** Is peri-operative intervention feasible to abrogate the promotional effect of surgical stress on endometriosis development?

Xishi Liu  
(Fudan University, China)

## Oral 2-5

Date and Time: September 23 (Friday) 14:00~15:00

Session Room: Room 4 (Conference Room [804])

Moderators: Shih-Chieh Lin  
(National Cheng Kung University, Taiwan)  
Atsushi Fukui  
(Hirosaki University, Japan)

**O-18** A study of relationship between endometriotic lesions and dysmenorrhea

Dongli Kong  
(Peking University Third Hospital, China)

**O-19** Multicentre retrospective study to assess diagnostic accuracy of ultrasound for superficial endometriosis Are we any closer?

Prathima Chowdary  
(Mercy Hospital for Women, Australia)

**O-20 Risk factor score of symptoms in patient with endometriosis**

Yi-An Chen

(Taipei Medical University, Taiwan)

**O-21 Correlation between Cyr61 expression and clinicopathologic parameters in adenomyosis**

Duo Zhang

(Shanghai Jiaotong University, China)

**Oral 2-6**

Date and Time: September 23 (Friday) 15:00~16:00

Session Room: Room 4 (Conference Room [804])

Moderators: Pei-Chin Chuang

(Chang Gung Memorial Hospital, Taiwan)

Masao Izawa

(Tottori University, Japan)

**O-22 Hypoxia-mediated histone modification via downregulation of EZH2 in endometriosis**

Ning Chang

(National Cheng Kung University, Taiwan)

**O-23 Induction of pyruvate dehydrogenase 1 by hypoxia alters glucose metabolism in endometriotic stromal cells**

Hsiu-Chi Lee

(National Cheng Kung University, Taiwan)

**O-24 Eukaryotic translation initiation factor 3 subunit e is involved in the epithelial-mesenchymal transition in endometriosis**

Xianjun Cai

(The 7th People's Hospital, China)

**O-25 Is eIF3e involved in epithelial-mesenchymal transition in adenomyosis?**

Minhong Shen

(Fudan University, China)

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## Room 5 (Conference Room [805])

### Oral 2-7

Date and Time: September 23 (Friday) 9:00~10:00

Session Room: Room 5 (Conference Room [805])

Moderators: Hua Duan  
(China)  
Yoshiaki Ota  
(Kurashiki Medical Center, Japan)

**O-26 The relationship between uterine volume and treatment failure with levonorgestrel-releasing intrauterine devices in patients with adenomyosis**

Youjin Kim  
(Chungnam National Univeristy Hospital, Korea)

**O-27 Evaluation of effect of Dienogest and LNG-IUS over 5 years on adenomyosis**

Ikuko Ota  
(Kurashiki Heisei Hospital, Japan)

**O-28 The minera is alternative treatment on adenomyosis—two years experience in one medical center of China**

Huang Xiufeng  
(Zhejiang University, China)

**O-29 Drug therapy in adenomyosis: a prospective, non-randomized, parallel controlled study**

Qing Li  
(Fudan University, China)

### Oral 2-8

Date and Time: September 23 (Friday) 10:00~11:00

Session Room: Room 5 (Conference Room [805])

Moderators: Taek Hoo Lee  
(Kyungpook National University, Korea)  
Michio Kitajima  
(Nagasaki University, Japan)

**O-30 Conservative surgical treatment for adenomyosis**

Masato Nishida  
(Kasumigaura Medical Center, Japan)

**O-31 Will the uterus volume change after adenomyomectomy?~Examine the facts through the comparison between the normal group and the post adenomyomectomy group~**

Maki Yabuta  
(Takanohara Chuo Hospital, Japan)

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- O-32** Hysteroscopic resection of myometrial adenomyosis: A two-year follow-up study  
Jian Zhang  
(Shanghai Jiaotong University, China)
- O-33** Conservative surgical management for young women with large diffuse adenomyosis  
Bing Xu  
(Tongji University, China)
- O-34** Clinical outcome of severe adenomyosis with or without endometriosis  
Zheng Y. Chen  
(Zhejiang University, China)

### Oral 2-9

Date and Time: September 23 (Friday) 14:00~15:00  
 Session Room: Room 5 (Conference Room [805])  
 Moderators: Sung Hoon Kim  
 (Ulsan University, Korea)  
 Miyuki Harada  
 (The University of Tokyo, Japan)

- O-35** Altered expression of NGF, PGP9.5, S100 and VEGF at the endometrial-myometrial interface of uterus in women with adenomyosis  
Xuan Che  
(Jiaxing Maternity and Child Health Care Hospital, China)
- O-36** Clinical features and mechanism of pain in patients with adenomyosis  
Qing Li  
(Fudan University, China)
- O-37** Reproductive outcome in postoperative deep infiltrating endometriosis  
Ning Zhang  
(Fudan University, China)
- O-38** ElncRNA1, a long noncoding RNA induced by estrogen transcriptional regulation, promoting ovarian cancer cell proliferation and metastasis  
Junjun Qiu  
(Fudan University, China)

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## Oral 2-10

Date and Time: September 23 (Friday) 15:00~16:00

Session Room: Room 5 (Conference Room [805])

Moderators: Hemantha Senanayake  
(University of Colombo, Sri Lanka)  
Masato Nishida  
(Kasumigaura Medical Center, Japan)

- O-39** **Dienogest down-regulates glandular progesterone receptors in ovarian endometriomas and vaginal polypoid endometriosis.**  
Toshio Igarashi  
(Teikyo University Chiba Medical Center, Japan)
- O-40** **Medication beyond hormone**  
Ryo Konno  
(Jichi Medical University Saitama Medical Center, Japan)
- O-41** **Role of oral contraceptives in preventing progression of endometriotic lesions**  
Xiaotong Han  
(Peking University Third Hospital, China)
- O-42** **Evaluation of the therapeutic effects of ultrasound intervention with injection of methotrexate on the recurrent endometriosis**  
Libo Zhu  
(Zhejiang University, China)
- O-43** **Control of pain with endometriosis using Tranilast**  
Ritsuo Honda  
(Kumamoto University, Japan)

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**[Day 3] September 24 (Saturday)**

**Room 1 (Conference Hall)**

**Symposium 3-1**

**Novel approach to pathogenesis and carcinogenesis of endometriosis II**

Date and Time: September 24 (Saturday) 8:40~10:20

Session Room: Room 1 (Conference Hall)

Moderators: Hisashi Narahara  
(Oita University, Japan)  
Yoke-Fai Fong  
(National University of Singapore, Singapore)

**SY3-1-1 New way to target endometriosis**

Shaw-Jenq Sean Tsai  
(National Cheng Kung University, Taiwan)

**SY3-1-2 Role of phthalate in the pathogenesis of endometriosis: in vitro, animal, and human data**

Sung Hoon Kim  
(University of Ulsan College of Medicine, Korea)

**SY3-1-3 TGF- $\beta$  and LAP in endometriosis**

Shun-ichiro Tsuji  
(Shiga University of Medical Science, Japan)

**SY3-1-4 Role of stem cells in pathophysiology of uterine leiomyoma**

Masanori Ono  
(Saitama City Hospital / Keio University, Japan)

**Symposium 3-2**

**Development of future medical treatment**

Date and Time: September 24 (Saturday) 10:35~11:50

Session Room: Room 1 (Conference Hall)

Moderators: Jo Kitawaki  
(Kyoto Prefectural University of Medicine, Japan)  
Kutay Omer Biberoglu  
(Gazi University, Turkey)

**SY3-2-1 Diagnostic and therapeutic potentials of microRNA in endometriosis**

SiHyun Cho  
(Yonsei University, Korea)

**SY3-2-2 Pro-apoptotic peptides as potential treatment for endometriosis**

Toshiaki Shibata  
(Hamamatsu University School of Medicine, Japan)

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**SY3-2-3** Interrupting the mechanical interactions between endometriotic fibroblasts and aberrant extracellular matrix may be a novel strategy for treatment of endometriosis

Sachiko Matsuzaki

(CHU Clermont-Ferrand / University of Auvergne, France)

**Luncheon Seminar 3**

**Recurrence of endometrioma and its prevention**

Co-sponsored by Mochida Pharmaceutical Co., Ltd.

Date and Time: September 24 (Saturday) 12:20~13:20

Session Room: Room 1 (Conference Hall)

Moderators: Hiroshi Kobayashi

(Nara Medical University, Japan)

Takashi Murakami

(Shiga University of Medical Science, Japan)

**LS3-1** Why OMA is the key endometriotic lesion?

Charles Chapron

(Paris Descartes University / Cochin University Hospital, France)

**LS3-2** The recurrence of endometrioma after conservative surgeries: prevalence, impact on QOL, and prevention

Kaori Koga

(The University of Tokyo, Japan)

**Closing Ceremony**

Date and Time: September 24 (Saturday) 13:20~13:30

Session Room: Room 1 (Conference Hall)

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## Room 2 (Conference Room [1202])

### Special Symposium 3-3

Date and Time: September 24 (Saturday) 8:40~11:10

Session Room: Room 2 (Conference Room [1202])

Moderators: Angela S. Aguilar

(University of the Philippines College of Medicine, Philippines)

Anton Fedorov

(Moscow Regional Institute, Russia)

#### SSY3-3-1 Future in endometriosis: immunotherapy as an option

Raden Muharam

(Cipto Mangunkusumo National Hospital, Indonesia)

#### SSY3-3-2 Management of endometriomas in infertility

Aydin Arici

(Yale University School of Medicine, USA)

#### SSY3-3-3 Surgery on ovarian endometriomas and the preservation of ovarian function

Jinhua Leng

(China)

#### SSY3-3-4 The role of levonorgestrel-releasing intrauterine system in endometriosis and adenomyosis.

Yi-Jen Chen

(National Yang-Ming University / Taipei Veterans General Hospital, Taiwan)

#### SSY3-3-5 Endometriosis in the middle east: past, present and future

Moamar Al-Jefout

(UAE University, UAE)

#### SSY3-3-6 Heavy metals and endometriosis: Is there a connection?

Hemantha Senanayake

(University of Colombo, Sri Lanka)

### Osaka IVF Session

Date and Time: September 24 (Saturday) 11:20~12:20

Session Room: Room 2 (Conference Room [1202])

Moderator: Hidetaka Okada

(Kansai Medical University, Japan)

#### IVF-1 Endometrium and embryo crosstalk and implantation window

Hidetaka Okada

(Kansai Medical University, Japan)

#### IVF-2 Preimplantation genetic screening

Yoshiharu Nakaoka

(IVF Namba Clinic, Japan)

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**IVF-3** Effect of laser therapy as an integrative medicine on assisted reproduction

Mamoru Ida  
(IVF Osaka Clinic, Japan)

**Room 4 (Conference Room [804])**

**Oral 3-1**

Date and Time: September 24 (Saturday) 9:00~10:00

Session Room: Room 4 (Conference Room [804])

Moderators: Danbo Wang  
(Cancer Hospital of China Medical University, China)  
Hirotaka Masuda  
(Keio University, Japan)

**O-44** The effects of GnRH-agonist treatment at the neovascularization of endometriosis

Apostolos Kaponis  
(Patras University, Greece)

**O-45** Endometriosis-derived thromboxane A2 Is a neurotrophic factor in endometriosis

Dingmin Yan  
(Fudan University, China)

**O-46** Prorenin/renin-angiotensin system in local endometriosis lesions

Takahiro Nakajima  
(Nihon University, Japan)

**O-47** FGL2 is involved in the pathogenesis of endometriosis by promoting proliferation and invasion of endometrial stromal cells and inducing Th2/M2 macrophage polarization

Xiao-Qiu Wang  
(Fudan University, China)

**Oral 3-2**

Date and Time: September 24 (Saturday) 10:00~11:00

Session Room: Room 4 (Conference Room [804])

Moderators: Kyu Sup Lee  
(Pusan National University School of Medicine, Korea)  
Akira Iwase  
(Nagoya University, Japan)

**O-48** Adolescent dysmenorrhoea and outcomes at 10-15 years followup

Sonia R Grover  
(University Of Melbourne, Australia)

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- O-49** Reproductive outcome is favorable after laparoscopic resection of bladder endometriosis  
 Jérôme Bouaziz  
 (Chaim Sheba Medical Center / Tel Aviv University, Israel)
- O-50** The role of ears and hearing in reproduction: facts and fiction  
 Borka Ceranic  
 (St. George's Hospital, London, UK)
- O-51** Juvenile cystic adenomyosis: Should this be known as "Accessory uterine cavity" as evidence suggests it is a Müllerian anomaly?  
 Sonia Grover  
 (University of Melbourne, Australia)

### Room 5 (Conference Room [805])

#### Oral 3-3

Date and Time: September 24 (Saturday) 9:00~10:00  
 Session Room: Room 5 (Conference Room [805])  
 Moderators: Meng-Hsing Wu  
 (National Cheng Kung University, Taiwan)  
 Yasushi Hirota  
 (The University of Tokyo, Japan)

- O-52** A comparative study between ovarian carcinomas arising from and coexisting with endometriosis  
 Yuan Lu  
 (Fudan University, China)
- O-53** Metabolic or molecular biological pathway interruption to eradicate endometriosis; win the battle but lose the war  
 Kiumars Khodabakhshi Pirkalani  
 (Mehr Medical Group, Iran)
- O-54** Study on periodic extension of GnRH $\alpha$   
 Xiaoyong Li  
 (Zhejiang University, China)
- O-55** Transcriptome analysis of adenomyosis eutopic endometrium: a new insight into its pathophysiology  
 Hong Xu  
 (Shanghai Jiao Tong University, China)

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## China Session (in English/ Chinese)

Date and Time: September 24 (Saturday) 10:00~11:00

Session Room: Room 5 (Conference Room [805])

Moderators: Mingqing Li  
(China)

Guoyun Wang  
(Qilu Hospital of Shandong University, China)

**CS-1**

Guoyun Wang  
(Qilu Hospital of Shandong University, China)

**CS-2** **Nerve fibers and endometriotic lesions: Partners in crimes in inflicting pains in women with endometriosis**

Dingmin Yan  
(Fudan University, China)

**CS-3** **Determinant of eutopic endometrium in the tumorigenesis of endometriosis-associated ovarian cancer**

Danbo Wang  
(Cancer Hospital of China Medical University, China)

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## Poster Tour

Poster Discussion

Date and Time: September 23 (Friday) 17:50~18:30

Session Room: Poster (Conference Hall [foyer])

### Poster Tour

#### Endometriosis - Diagnosis

- P-001** Prevalence of autoimmune diseases and cancers among families with endometriosis history  
Ashraf Moini  
(Royan Institute for Reproductive Biomedicine, Iran)
- P-002** Identification and validation of novel serum markers for diagnosis of endometriosis: SOD1, CD34, E-cadherin, VCAM1 and GSTM4  
Yu-Wen Chen  
(Taipei Medical University, Taiwan)
- P-003** Increased ipsilateral uterine artery vascular resistance in women with ovarian endometrioma  
Miyoko Waratani  
(Kyoto Prefectural University of Medicine, Japan)
- P-004** Enlarged uterine corpus volume in women with endometriosis: assessment using three-dimensional reconstruction of pelvic magnetic resonance images  
Akemi Koshiba  
(Kyoto Prefectural University of Medicine, Japan)
- P-005** Assessment of serum chemokines and cytokines as novel clinical markers of endometriosis  
Ya-Ching Chou  
(Taipei Medical University Hospital, Taiwan)
- P-006** The incidence of left sided ovarian endometrioma  
Yong Il Ji  
(Inje University, Korea)
- P-007** Secondary dysmenorrhea causes, symptoms and other factors exerting influence on its occurrence  
Patricija Kasilovska  
(Medical Center Maxmeda, Lithuania)
- P-008** Higher vitamin D reserve associated with endometriosis  
Byoung Ick Lee  
(Inha University Hospital, Korea)
- P-009** Evaluation of deep endometriosis lesions by preoperative MRI in patients with adenomyosis  
Kanakano Yoshida  
(Tokushima University, Japan)
- P-010** A new MRI sequence to discriminate between benign endometriotic cysts and endometriosis-associated ovarian cancer  
Fuminori Ito  
(Nara Medical University, Japan)

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- P-011** Association between endometriosis and serum CA125 level during the menstruation  
Chiaki Kashino  
(Okayama University Hospital, Japan)
- P-012** MRI findings of deeply infiltrating endometriosis with surgical and pathological correlation  
YongTaik Lim  
(The Catholic University of Korea, Korea)
- P-013** Decreased zinc and increased lead blood levels are associated with endometriosis in Asian women: a hospital-based cross-sectional study  
Guan-Lin Lai  
(Taipei Medical University, Taiwan)
- P-014** Contrast-enhanced ultrasonography in sclerotherapy for ovarian endometrial cyst  
Xiao-qiu Dong  
(The Fourth Hospital of Harbin Medical University, China)
- P-015** The incidence rate of ovarian endometrioma after cervical conization  
Nozomi Takahashi  
(The University of Tokyo, Japan)
- P-016** Improved clinical outcomes of patients with ovarian carcinoma arising in endometriosis  
Jia Qi Lu  
(Fudan University, China)
- P-017** The clinical research of peritoneal endometriosis diagnosis and treatment during laparoscopy with narrow-band imaging  
Lu Han  
(Maternal and Child Health Care Hospital of Dalian, China)

#### Poster Tour

#### Endometriosis - Drug treatment

- P-018** Clinical management of deep infiltrating endometriosis with urinary and rectosigmoid involvement  
Xiaohong Zhang  
(Fourth Military Medical University, China)
- P-019** The efficacy of the levonorgestrel—releasing intrauterine system in perimenopausal women  
Heon Jong Yoo  
(Chungnam National University Hospital, Korea)
- P-020** Dienogest is effective for suppressing recurrence of ovarian endometrioma and relieving pain after laparoscopic surgery  
Aska Toda  
(Minoh City Hospital, Japan)
- P-021** The success rate of GnRH agonist for small recurrent endometrioma (3cm)  
Sung-Tack Oh  
(Chonnam University Medical School, Korea)

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- P-022** Effects of low dose oral contraceptive pill containing drospirenone/ethinylestradiol in endometriosis patients with dysmenorrhea  
Khine Yin Mon  
(Tottori University, Japan)
- P-023** Adverse effects and tolerability of dienogest over 60 weeks after conservative surgery for endometriosis  
Hwi Gon Kim  
(Pusan National University School of Medicine, Korea)
- P-024** Ethinylestradiol 20µg/drospirenone 3mg in a flexible extended regimen for the management of endometriosis-associated pain: a randomized, controlled trial  
Tasuku Harada  
(Tottori University, Japan)
- P-025** Neurotherapy for treatment of endometriosis  
Pinar Yalçın Bahat  
(Istanbul Kanuni Sultan Süleyman Training and Research Hospital, Turkey)
- P-026** Study of Dienogest versus oral contraceptives in the treatment of endometriosis-associated pelvic pain  
Soo Ah Kim  
(Chosun University, Korea)
- P-027** Cost-effectiveness of recommended medical intervention for treatment of dysmenorrhea and endometriosis in Japan setting  
Mikio Momoeda  
(St. Luke's International Hospital / Japan Enlightenment Committee in Endometriosis (JECIE), Japan)
- P-028** Chinese herbal medicine to prevent the recurrence of pelvic endometriosis after conservative surgery: a multi-center prospective, parallel controlled, randomized clinical trial of efficacy and safety  
Ruihua Zhao  
(China Academy of Chinese Medicinal Sciences, China)
- P-029** Hormonal therapies for extragenital endometriosis  
Akiyo Taneichi  
(Jichi Medical University, Japan)

Poster Tour  
Endometriosis - Infertility

- P-030** Post-surgical ovarian insufficiency in infertile women with endometrioma  
Yukiko Sugiyama  
(Hyogo College of Medicine, Japan)
- P-031** Impact of endometriosis to pregnancy outcome of ART  
Hirofumi Kashiwagi  
(Tokai University School of Medicine, Japan)

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- P-032** The predictive value of endometriosis fertility index for IVF outcome in women with endometriosis  
Byungkyoo Park  
(Pusan National University School of Medicine / Kyungpook National University Hospital, Korea)
- P-033** The impact of different down-regulation protocols on the IVF/ICSI-ET outcome of endometrioma: a retrospective study  
Zexuan Wu  
(Sun Yat-sen University / Peking University Shenzhen Hospital, China)
- P-034** The impact of endometriosis fertility index on the IVF/ICSI-ET outcome: A retrospective analysis  
Zexuan Wu  
(Sun Yat-sen University / Peking University Shenzhen Hospital, China)
- P-035** Analysis of pregnancy outcome and decline of anti-Müllerian hormone after laparoscopic cystectomy for ovarian endometriomas  
Kei Nagira  
(Tottori University, Japan)
- P-036** Laparoscopic excision of ovarian endometrioma does not exert a qualitative effect on ovarian function  
Miyuki Harada  
(The University of Tokyo, Japan)
- P-037** Change of Anti-Müllerian hormone after endometrioma surgery by administration of oral contraception  
Hanako Kaseki  
(Nippon Medical School, Japan)
- P-038** Can serum AMH level and ovarian blood flow be useful to predict the recurrence of endometriotic cyst following laparoscopic vaporization?  
Natsuho Nakamura  
(Osaka Medical College, Japan)
- P-039** Effect of laparoscopic electrocoagulation of endometriomas on ovarian reserve in infertile women  
Zhu Yunshan  
(Zhejiang University, China)
- P-040** The Endometriosis fertility index (EFI) and preoperative FSH are effective choices for the postoperative fertility treatment of endometriosis surgery  
Suguru Odajima  
(The Jikei University School of Medicine, Japan)
- P-041** Serum anti-Müllerian hormone levels after laparoscopic ovarian cystectomy  
Yan Ding  
(Fudan University, China)

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Poster Tour

Endometriosis - Surgery

- P-042** Risk factors for recurrence after laparoscopic conservative surgery in premenopausal women with previously untreated stage III-IV ovarian endometriomas  
Jeong-Yeol Park  
(University of Ulsan College of Medicine, Korea)
- P-043** Recurrent pattern of endometrioma: 10-year follow-up analysis  
Eun-Ju Lee  
(Chung-Ang University School of Medicine, Korea)
- P-044** Management of deep infiltrating endometriosis by laparoscopic surgery: 12-year experience.  
Chiharu Ishida  
(Nagoya University, Japan)
- P-045** Comparison of preoperative treatment contribute minimally invasive surgery for ovarian endometrioma  
Takehiko Tsuchiya  
(Toho University Medical Center Omori Hospital, Japan)
- P-046** Preoperative risk factors in recurrent endometrioma after primary conservative surgery  
Chan Yong Park  
(Gachon University College of Medicine, Korea)
- P-047** Risk factors for recurrence of ovarian endometriomas after surgical treatment  
Kana Kokunai  
(Hokusetsu General Hospital, Japan)
- P-048** Clinical outcomes of conservative surgery for ovarian endometrioma among older women aged  $\geq 40$  years  
Mi-Kyung Kim  
(Dankook University College of Medicine, Korea)
- P-049** The pattern of medical treatment after endometriosis operation  
Sun Suk Kim  
(Pusan National University, Korea)
- P-050** Transvaginal aspiration and ethanol sclerotherapy (TVUAE) in cystic recurrence of previous endometriosis surgeries? a 5-year follow up  
Ming-Yang Chang  
(Chang Gung Memorial Hospital, Taiwan)

Poster Tour

Endometriosis - Case report and others

- P-051** A case of extrauterine uterus-like mass coexisting with endometriosis  
Jae eun Chung  
(National Health Insurance Service Ilsan Hospital, Korea)
- P-052** Case report: Bladder deep infiltrated endometriosis  
Soo-youn Song  
(Chungnam National University Hospital, Korea)

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- P-053** A report of two cases ileal endometriosis which showed different conditions of pelvic endometriosis.  
Futhosi Arakane  
(Japanese Red Cross Kumamoto Hospital, Japan)
- P-054** Endometriosis cysts of the cervix: a case report and review of the literature  
wang qiming  
(Ningbo Women and Children's hospital, China)
- P-055** Withdrawn
- P-056** Giant ovarian endometriotic cyst associated with non-communicating rudimentary uterine horn in the absence of dysmenorrhea in an adolescent girl  
Hiroshi Ishikawa  
(Chiba University, Japan)
- P-057** A case of ovarian endometrioma accompanied by microinvasive endometrioid adenocarcinoma of 4 × 2mm  
Soichiro Suzuki  
(Kawasaki Medical School, Japan)
- P-058** Ureteral endometriosis: analysis of 47 cases  
Chao Peng  
(Peking University First Hospital, China)
- P-059** The Impact of Japan enlightenment committee in endometriosis (JECIE) activities  
Kaori Koga  
(The University of Tokyo, Japan)

#### Poster Tour

#### Endometriosis - Basic research

- P-060** miR-503 regulates the extracellular matrix contractility of endometriotic cyst stromal cells  
Tomoko Hirakawa  
(Oita University, Japan)
- P-061** Effects of the hypoxia-inducible factor-1 inhibitor echinomycin on vascular endothelial growth factor production in human ectopic endometriotic stromal cells  
Tomoko Tsuzuki  
(Kansai Medical University, Japan)
- P-062** Decidualization differentially regulate microRNA expression in eutopic and ectopic endometrial stromal cells  
Yoko Aoyagi  
(Oita University, Japan)
- P-063** Differences of C-type lectin receptors in the peritoneal fluid of patients with endometriosis and gynecologic cancers  
Dong Choon Park  
(The Catholic University of Korea / Kyung Hee University, Korea)

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- P-064** Effect of prolactin on human endometriosis-derived endometrial stromal cells  
Ai Sakamoto  
(Okayama University, Japan)
- P-065** Estrogen regulates pain through ERK/MAPK pathway in vitro and vivo  
Jing Zhang  
(Ningbo University / Zhejiang University, China)
- P-066** GnRHa induces both apoptosis and autophagy of endometriotic tissues by down-regulation of estradiol levels in women with endometriosis  
Yen-Ping Lei  
(Taipei Medical University, Taiwan)
- P-067** Copy number variation in pelvic endometriosis  
Jae Yen Song  
(The Catholic University of Korea, Korea)
- P-068** Lower expression of latency-associated peptide on the surface of peritoneal fluid macrophages and lymphocytes in patients with endometriosis  
Tetsuro Hanada  
(Shiga University, Japan)
- P-069** Demethylation of CpG island promoter is associated with 14-3-3  $\zeta$  gene higher expression in stromal cells of endometriosis  
Bi-cheng Yang  
(Jiangxi Provincial Maternal and Child Health Hospital, China)
- P-070** Decreased expression of ESR1 in endometriosis is caused by aberrant DNA methylation of T-DMRs (Tissue-dependent and differentially methylated regions)  
Ryo Maekawa  
(Yamaguchi University, Japan)
- P-071** Network analysis revealed the possible upstream regulator genes involved in pathogenesis and development of ovarian chocolate cyst  
Yumiko Mihara  
(Yamaguchi University, Japan)
- P-072** Association of ovarian cancer and recurrence of endometriosis patient using targeted next generation sequencing: a pilot study.  
Tae-Hee Kim  
(Soonchunhyang University Bucheon Hospital / Soonchunhyang University / Korea University / The Catholic University of Korea, Korea)
- P-073** Harmful effect of endometriotic cyst on granulosa cell function in in-vitro study.  
Yasushi Kawano  
(Oita University, Japan)
- P-074** DNA methylation status of progesterone receptor promoter regions in ovarian endometriosis  
Ririn, R Febri  
(University Indonesia, Indonesia)
- P-075** Relationship between secretion of monocyte chemoattractant protein-1 and cell-extracellular matrix adhesion in endometriotic stroma cells.  
Takashi Nagai  
(Nagoya University, Japan)

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- P-076** Androgen receptor gene CAG trinucleotide repeat polymorphism in patients with endometriosis  
Kyuri Hwang  
(Seoul National University Boramae Hospital, Korea)
- P-077** Hormonal treatment for women with endometriosis affects expression of natural cytotoxicity receptors on NK cells  
Ayano Funamizu  
(Hirosaki University, Japan)
- P-078** The expression of vascular endothelial growth factor C and anti-angiogenesis therapy in endometriosis  
Rong Zhang  
(Shanghai Fengxian District Central Hospital, China)
- P-079** DNA methylation as diagnostic marker in endometriotic tissues  
Masao Izawa  
(Tottori University, Japan)
- P-080** Therapeutic potential of activation of SIRT1 for endometriosis  
Ayumi Taguchi  
(The University of Tokyo, Japan)
- P-081** The effects of connective tissue growth factor on the phagocytic activity of pelvic peritoneal macrophages in patients with endometriosis  
Tsung-Hsuan Lai  
(Cathay General Hospital / Fu Jen Catholic University / National Central University, Taiwan)
- P-082** Immunotoxicity of 2,3,7,8-tetrachlorodibenzop-dioxin (TCDD) in mice with endometriosis  
Hai-Li Wang  
(Medical school of Southeast University, China)
- P-083** Targeting inhibitor of NF- $\kappa$ B kinase beta (IKK $\beta$ ) may represent a possible novel treatment for endometriosis.  
Ikuko Sawada  
(Osaka University, Japan)
- P-084** G protein-coupled estrogen receptor 1 agonist G-1 induces cell cycle arrest in the mitotic phase, leading to apoptosis in endometriosis  
Taisuke Mori  
(Kyoto Prefectural University of Medicine, Japan)
- P-085** The expression and significance of BCAR1 gene in endometriosis  
Danbo Wang  
(Cancer Hospital of China Medical University, China)
- P-086** BCAR3 overexpression promotes endometrial stromal cell and endometrial epithelial cell invasion through different mechanisms in endometriosis  
Danbo Wang  
(Cancer Hospital of China Medical University / Liaoning Cancer Hospital & Institute, China)
- P-087** Relationship between angiotensin receptors and mPGES-1 gene expression in local lesions of endometriosis patients  
Takehiro Nakao  
(Nihon University, Japan)

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- P-088** Long non-coding RNA aHIF predicts poor prognosis in epithelial ovarian cancer and affects cell proliferation through the regulation of cell cycle, apoptosis and senescence  
Junjun Qiu  
(Fudan University, China)
- P-089** Vascular endothelial growth factor is upregulated by leukemia inhibitory factor and interleukin-6 in human endometriotic stromal cells  
Yan Huang  
(Peking University First Hospital, China)
- P-090** Role of prostaglandin E2 receptors in the development of endometriosis  
Tomoko Makabe  
(The University of Tokyo, Japan)
- P-091** Mannose receptors are highly expressed by peritoneal dendritic cells in endometriosis  
Gentaro Izumi  
(The University of Tokyo, Japan)
- P-092** Genome-wide DNA methylation analysis predicts a pathogenesis in endometriosis  
AiLi Aixingzi  
(TongJi University Shanghai, China)
- P-093** The role of ureaplasma infection of mesothelial cells in pelvic endometriosis  
Ae Ra Han  
(Konyang University School of Medicine, Korea)

## Poster Tour

### Endometriosis - Animal model

- P-094** Adenosine triphosphate regresses endometrial explants in a rat model of endometriosis  
Chen Zhang  
(Peking University People's Hospital, China)
- P-095** Mechanism research of ginsenside Rg3 on Anti-angiogenesis through VEGFR-2-mediated PI3K/Akt/mTOR signaling pathway in a rat model of endometriosis  
Yang Cao  
(Shanghai University of Traditional Chinese Medicine, China)
- P-096** Lipopolysaccharide promotes the development of murine endometriosis-like lesions via nuclear factor-kappa B pathway  
Takashi Uegaki  
(Tottori University, Japan)
- P-097** Mouse model for investigating the invasion of endometrial epithelial cells in endometriosis  
Jhih-Chuan Lee  
(Taipei Medical University, Taiwan)
- P-098** Revisiting peritoneal macrophages in murine endometriosis model  
Ming Yuan  
(Qilu Hospital of Shandong University, China)

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- P-099** Molecular mechanism of TCDD on development of ectopic endometrium in mouse  
Yang Shen  
(Southeast University, China)
- P-100** Intraperitoneal inflammation progress the development of endometriosis in mouse model  
Kana Kasai  
(Tokushima University, Japan)
- P-101** Hydrogen sulfide suppresses lesion growth and adhesion in mouse with induced endometriosis  
Ye Xia  
(Fudan University, China)

**Poster Tour**  
**Adenomyosis**

- P-102** The innervation of the fallopian tubes in advanced adenomyosis  
Xue Qing Wu  
(The First Affiliated Hospital of Wenzhou Medical University, China)
- P-103** New strategy for treatment of adenomyosis using dienogest combined with aromatase inhibitor  
Kohzo Aisaka  
(Hamada Hospital, Japan)
- P-104** Laparoscopic resection of uterine cystic adenomyosis: report of seven cases  
Tomoko Taniguchi  
(Toho University Omori Medical Center, Japan)
- P-105** LASP1 plays crucial roles in the development of adenomyosis  
Yang Zou  
(Jiangxi Provincial Maternal and Child Health Hospital, China)
- P-106** Interaction of macrophages and endometrial cells induced epithelial-mesenchymal transition-like processes in adenomyosis  
Min An  
(Qilu Hospital of Shandong University, China)
- P-107** Could comparable ART outcome be achieved in patients with adenomyosis to those without by frozen embryo transfer after controlling disease activity with Leuplin depot?  
Ming-Jer Chen  
(Taichung Veterans General Hospital, Taiwan)
- P-108** Dienogest reduces proliferation, NGF expression and density of nerve fibers in human adenomyosis  
Arisa Taekuchi  
(The University of Tokyo, Japan)
- P-109** The impact of adenomyosis on the IVF/ICSI-ET outcome: A retrospective analysis  
Zexuan Wu  
(Memorial Hospital of Sun Yat-sen University / Reproductive medicine department of Peking University Shenzhen Hospital, China)

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**P-110** Compound chinese medicine (Qiling for treating pain) to treat 43 cases of adenomyosis dysmenorrhea

Fei Hang

(Tingting Zhang, China)

**P-111** A comparative study of human oviductal ciliary morphology and beat frequency between patients with adenomyosis and leiomyoma

Mingxing Yan

(Shanghai Jiaotong University, China)

**P-112** Using biofeedback electrical stimulation for the primipara with decreased pelvic floor muscle strength comparing with Kegel excise and vaginal cones

Xiaodan Zhang

(Fudan University, China)