

Day 1 13:35-15:05, Nov. 14 (Thu) / Poster Room

● **Poster Session**

Group 1 P-001

Salicornia herbacea aqueous extracts inhibit IL-1 β production by regulating NLRP3 inflammasome activation in macrophages and human-derived placental cells

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Group 1 P-002

Activation of Tim-3/Gal-9 signaling pathway can alleviate the LPS-induced preeclampsia-like manifestations in rats by promoting decidual macrophage polarization to M2 subtype

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Group 1 P-003

Over expression of ATG4B is a new cause of autophagy insufficiency that leads to preeclampsia with fetal growth restriction

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Group 1 P-004

A Novel Allosteric Modulator of IL-6R Successfully Prevents Deleterious Effects of Inflammation in a LPS Model of Preterm Birth

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Group 1 P-005

The status of anti-angiogenesis in the internal uterine os in patients with placenta previa

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Group 1 P-006

Human chorionic gonadotropin targets pregnancy-destructive Th17 cells to alter their phenotype and functionality promoting fetal protection in mice

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Group 1 P-007

Immunological mechanism of mifepristone in mice artificial abortion

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Group 1 P-008

Cytokines of the IL-36 system: novel regulators of trophoblastic functions

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Group 1 P-009

Elucidation of Neutrophil Extracellular Trap Proteins Responsible for HIV Inactivation in the Female Genital Tract

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Group 1 P-010

Maternal Hepatitis B Virus Infection Modulated Immune Cells Profiles in Endometrium from Women with Reproductive Failure

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Group 1 P-011

Suppression of syncytialization by human cytomegalovirus infection

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Group 2 P-012

The effects of *Lactobacillus crispatus*, *Gardnerella vaginalis*, and *Prevotella bivia* on the re-epithelialization of MS74 vaginal epithelial cell line

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Group 2 P-013

Activation of Rev-erb α attenuates Lipopolysaccharide-induced inflammatory reactions in human endometrial stromal cells via suppressing TLR4-mediated NF-kappaB activation

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Group 2 P-014

Withdrawn

Group 2 P-015

Hormonal Regulation of miRNA Expression in CD4+T cells from the Human Female Reproductive Tract

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Group 2 P-016

In vivo and genomic characterization of Ureaplasma species isolated from women with intra-amniotic infection

Kenichiro Motomura^{1,2}, Roberto Romero^{1,2}, Andrew Winters^{1,2}, Yi Xu^{1,2}, Chaur-Dong Hsu^{1,2}, Kevin Theis^{1,2}, Nardhy Gomez-Lopez^{1,2}

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Group 2 P-017

BCG vaccination in the babyhood of the women influences their placentobiome during pregnancy: colonization of early pregnancy placenta with mycobacterial L forms

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Group 2 P-018

A case of congenital cytomegalovirus infection via a re-infected mother with original antigenic sin

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Group 2 P-019

The distribution of macrophages, and the expression Ia antigen and acid phosphatase in the uterus of mice during the preimplantation period

Shuichi Iida

Pref. Art Museum Ladies Mental Clinic

Group 2 P-020

Gestational microbiome and antimicrobial immunity

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Group 2 P-021

G-CSF suppresses proliferation of human uterine endometrial carcinoma cells

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Group 2 P-022

Tendril of Cucurbita moschata extract suppresses NLRP3 inflammasome activation in macrophages and human trophoblast cells

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Group 3 P-023

MicroRNAs in the cancer-associated fibroblast that cocultured with cancer cell.

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Group 3 P-024

Modulation of innate immune memory can reduce endometriosis lesion growth in mice

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Group 3 P-025

The impact of Botulinum Toxin A (BoTA) treatment on endometrial blood flow

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Group 3 P-026

Sulforaphane prevents oxidative stress-induced trophoblast cell death by increasing HO-1 expression

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Group 3 P-027

Effects of endometriosis on fertility and pregnancy outcome in mouse model

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Group 3 P-028

Crosstalk between adipocyte differentiation and immunoregulation compensates for osteopenic phenotype in mice with loss-of-function mutation in Lrp5

Lisha Li¹, Xuemin Qiu¹, Yan Sun¹, Na Zhang¹, Ling Wang¹

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Group 3 P-029

IL-2 and IL-27 synergistically triggers Th2 bias in endometriosis

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Group 3 P-030

Ureaplasma urealyticum infection contributes to the development of pelvic endometriosis

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Group 3 P-031

Elevated heme impairs macrophage phagocytosis in endometriosis

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Group 3 P-032

Relationship between NCR expression on NK cells and natural pregnancies after surgical treatment for severe endometriosis

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Group 3 P-033

Distribution and phenotypes of macrophages in ovarian endometriotic cysts

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Group 4 P-034

Indoleamine-2,3-dioxygenase in endometriosis

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Group 4 P-035

Vitamin D modulates inflammatory responses in peritoneal mononuclear cells of endometriosis patients

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Group 4 P-036

Inflammation of retroperitoneal adipose tissue adjacent to pelvic endometriosis

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Group 4 P-037

Insight of anti-inflammatory cytokines in endometriosis

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Group 4 P-038

Evaluation of immune and inflammatory gene panel for recurrent implantation failure patients undergoing IVF

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²N.A 3N.A 4N.A 5N.A

Group 4 P-039

Intravenous Immunoglobulin and Intralipid treatment neutralizes the negative effect of elevated NK cytotoxicity in IVF

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Group 4 P-040

A distinct central memory and regulatory phenotype characterizes decidual CD8+CD122+ T regulatory cells in mice

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Group 4 P-041

Both sperm and seminal plasma have capacity to induce immature uterine CD103- and CD103+ DCs before implantation

Ippei Yasuda^{1,2}, Ryoyo Ikebuchi^{2,3}, Mizuki Ueda², Taiki Moriya², Yutaka Kusumoto², Akemi Ushijima¹, Tomoko Shima¹, Akitoshi Nakashima¹, Shigeru Saito¹, Michio Tomura²

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Group 4 P-042

Maternal neutrophils play an important role in placental and foetal development

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Group 4 P-043

Specific deletion of the glucocorticoid receptor on dendritic cells (DCs) in mice improves maternal immune adaption to pregnancy and fetal development via preferential acquisition of a tolerogenic phenotype in the uterine DCs

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Group 4 P-044

Using high frequency ultrasound to define the time point of intrauterine growth retardation in a mouse model of heme oxygenase-1 deficiency

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Group 5 P-045

M2 Macrophage plays an essential role for successful implantation via regulating uterine endometrial proliferation differentiation switching (PDS)

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Group 5 P-046

Fetal sex influences maternal immune system dynamics over the course of pregnancy

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Group 5 P-047

Exosome derived from decidual stroma cells regulates the phenotype and cytotoxicity of NK cells

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Group 5 P-048

Sigma Receptor 1 Regulates T cells by PD-L1 at the Maternal-fetal Interface in Early Pregnancy

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Group 5 P-049

Gamma/delta T cells display decidual specific phenotype but diverse TCR repertoire during human early pregnancy

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Group 5 P-050

Decidual stromal cells promote the renewal of decidual macrophages by secreting IL-24 in early pregnancy

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Group 5 P-051

The production and role of high-mobility group A1 protein on extravillous trophoblast

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Group 5 P-052

Importance of sialylation and sulfation change in the uterine glycocalyx to prepare

for implantation

Hitomi Nakamura¹, Takayoshi Hosono², Keiichi Kumasawa^{1,3}, Carolyn J.P. Jones^{4,5}, John D. Aplin^{4,5}, Tadashi Kimura¹

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Group 5 P-053

Difference of natural cytotoxicity receptors of CD56dim and CD56bright NK cells between peripheral blood and decidua at term

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Group 5 P-054

Maternal TLR4 impacts the female immune response at conception and contributes to normal pregnancy outcomes in the mouse

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Group 5 P-055

Progesterone effects on pregnant humoral immunity using humanized mice

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Group 6 P-056

Blockade of CTLA-4 and Tim-3 pathways induces fetal loss with altered cytokine profiles by decidual CD4⁺T cells

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Group 6 P-057

Trophoblasts-Derived Hyaluronan Promotes the Regulatory Phenotype of Decidual Macrophages

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Group 6 P-058

SIRT1 regulates the invasive and angiogenic ability of trophoblas

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Group 6 P-059

In silicon analysis of mouse placenta-derived long noncoding RNAs

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Group 6 P-060

Altered transcriptome profiles in placentas from complicated pregnancies in association with adverse neonatal outcomes

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Group 6 P-061

Current trends of pre-conception status, obstetric outcomes in pregnancies complicated with systemic lupus erythematosus (SLE), rheumatoid arthritis (RA) and inflammatory bowel disease (IBD) in Japan: A nationwide retrospective descriptive study.

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Group 6 P-062

Characterisation of a New Interleukin-1 Receptor Antagonist for Prevention of Preterm Birth and Neonatal Injuries

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Group 6 P-063

Kinetics of invariant natural killer T cells and antigen-presenting cells for extreme-to-moderate preterm birth without chorioamnionitis

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Group 6 P-064

Low circulating levels of vitamin D may contribute to the occurrence of preeclampsia through deregulation of Treg /Th17 cell ratio

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Group 6 P-065

Identification of potential new biomarkers during pregnancy complications

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Group 6 P-066

Peripheral blood Treg cell Foxp3 expression correlates inversely with uterine artery Resistance Index in late-onset preeclampsia

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Group 7 P-067

Galectin-3 systemic levels during pregnancy: relation with health and disease

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Group 7 P-068

Inflammatory Bowel Disease and Male Infertility: a Multicenter Study

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Group 7 P-069

Associaton of decreased mannose-binding lectin (MBL) levels with adverse pregnancy outcomes

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Group 7 P-070

The association between preterm labor, low number of T regulatory cells and Glycoprotein A repetition predominant (GARP) expression

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Group 7 P-071

A case of thrombotic microangiopathy during pregnancy secondary to preeclampsia and systemic lupus erythematosus

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Group 7 P-072

Decreased Expression of PD1 in Peripheral blood Th17 Cells in Women with Unexplained Recurrent Pregnancy Loss

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Group 7 P-073

Modulatory Effects of vitamin D on Endometrial Cellular Immunity in Women with Recurrent Miscarriage

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Group 7 P-074

Role of oxidative stress and anti-oxidative potency in patients with recurrent pregnancy loss

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Group 7 P-075

Correlation between IL-33, sST2 and Cathepsin G levels in decidua of patients with recurrent pregnancy loss

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Group 7 P-076

The impact of immune-modulation therapy on patients with recurrent pregnancy loss and KIR2DS1/HLA-C2 genotyping

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Group 8 P-077

**Anti-factor XII autoantibodies in patients with recurrent pregnancy loss recognize
the second epidermal growth factor-like domain**

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Group 8 P-078

**Cytokines production and co-expression of activating and inhibitory receptors of
uterine NK cells in women with RPL**

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Group 8 P-079

Immunological aspect of uterine septum in women with recurrent pregnancy loss

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Group 8 P-080

Alterations in peripheral and uterine natural killer cells in patients with primary and secondary recurrent miscarriage

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Group 8 P-081

Reproductive outcomes of women with recurrent pregnancy loss (RPL) and repeated implantation failure (RIF) are significantly improved with immune modulatory treatment

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Group 8 P-082

Clinical significance of MMPs (matrix metalloproteinases) and TIMPs (tissue inhibitors of metalloproteinases) with recurrent miscarriage

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Group 8 P-083

Intravenous immunoglobulin in IVF-ET/FET cycles at the time of positive pregnancy test significantly improves the live birth rate in patients with recurrent pregnancy losses and repeated implantation failure

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Group 8 P-084

Search for a novel "neo-self" antigen to elucidate the pathogenesis of seronegative obstetric antiphospholipid syndrome

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Group 8 P-085

Neutrophil to lymphocyte ratio is a marker for Recurrent Pregnancy Loss

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Group 8 P-086

The expression of NKp46 on uterine NK cells and Cytokines Production by NK cells in women with recurrent pregnancy loss

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Group 9 P-087

Immunohistochemical evaluation of immune cell markers CD16, CD45, CD56, and

CD57 in the endometrium of women with recurrent pregnancy loss

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Group 9 P-088

Treatment for patients with reproductive failure positive for anti-phospholipid antibodies using Sairei-to and low-dose aspirin

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Group 9 P-089

The effect of a fatty acid-based oral formula on peripheral blood NK cell disturbances in sub-fertile women

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Group 9 P-090

TNF-a and GM-CSF levels in early embryo culture medium is related to the embryo implantation potential during IVF

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Group 9 P-091

The correlation of increased serum homocysteine level and IVF outcome

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Group 9 P-092

In regards to different density of CD16 on NK cells, are they play different role in reproductive outcome?

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Group 9 P-093

Early transient suppression of immune checkpoints Tim-3 and PD-1 in peripheral blood after blastocyst transfer is associated with successful implantation

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Group 9 P-094

Lymphocyte count as a determinant of success of lymphocyte immunization therapy in unexplained recurrent implantation failures

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Group 9 P-095

Impact of thyroid autoimmunity on ovarian reserve, pregnancy outcome and offspring health in euthyroid women following in vitro fertilization /intracytoplasmic sperm injection

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Group 9 P-096

Thyroid-stimulating hormone receptor expression by peripheral blood lymphocytes

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Group 10 P-097

Inflammatory Bowel Disease and Female Infertility: A Multicenter Study

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Group 10 P-098

Monitoring of peripheral T-regulatory lymphocytes dynamics in pregnant women with fertility disorders undergoing immunomodulatory therapies

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Group 10 P-099

Asymptomatic Urogenital Infection as a Risk Factor for Male and Female Infertility

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Group 10 P-100

Determination of Cytokine Profile in Infertile Women

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Group 10 P-101

The Paternal Lymphocytes Immunization (PLI) can decrease Anti-sperm Antibodies in wife's blood serum using the Sperm Auto Agglutination Test (HSAaT) methode in unexplained infertility couples

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Group 10 P-102

The Paternal Lymphocytes Immunization (PLI) impact on percentage of regulatory t cells population in wife's pbmc in unexplained infertility couples

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Group 10 P-103

Deletion of galectin-1 impairs ovarian follicle growth in mice

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Group 10 P-104

Role of occludin in maintaining homeostatic microenvironment in the epididymis

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Group 10 P-105

Effects of prokineticin 2 on testicular inflammation in rats

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Group 10 P-106

Characterization of CCR6 and CCL20 in testis and ejaculates from men with chronic genital tract inflammation

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Group 11 P-107

Three-Dimensional Analyses of Mitochondria in Spermatogenic Cells of Rat testis with SBF-SEM

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Group 11 P-108

Comparison of experimental autoimmune orchitis as a model for immune male infertility

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Group 11 P-109

Autophagy activation increases primordial follicle number with raising oocyte viability

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Group 11 P-110

Increased expression of HLA-G is associated with placenta accreta

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Group 11 P-111

Acute inflammation and anaphylactoid reaction in uterine isthmus of postpartum women affected by Postpartum Acute Myometritis (PAM)

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Group 11 P-112

Investigating the phenotypes of immune cell in gut-associated lymphoid tissues in

ulcerative colitis with mass cytometry and imaging mass cytometry

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Group 11 P-113

The characteristic of CD4+CD25+CD127low/- T regulatory cells in peripheral blood, cord blood, and postpartum uterine blood

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Group 11 P-114

Tumor-induced exhaustion of NK cells and its prevention by mitochondrial biogenesis through metabolic reprogramming

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Group 11 P-115

A case of intrauterine fetal death after treatment for syphilis

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Group 11 P-116

Two case reports of anti-NMDA receptor encephalitis caused by small ovarian teratoma

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