

TUESDAY, 09 OCTOBER

14:00 - 14:45: Poster pitches

Poster pitches 1 | Endothelium/lipids/oxidative stress (room: Zuiveringshal)

Date: Tuesday, 09 October 2018

Time: 14:00 - 14:45

- 14:00 - 14:05 **Abstract 56:** *Maternal lipid profile in early pregnancy as marker for adverse perinatal outcomes*
Adank, Maria C (Rotterdam, The Netherlands)
- 14:05 - 14:10 **Abstract 100:** *The effect of pitavastatin and pravastatin on omental and chorionic plate artery function in normal pregnancy and pre-eclampsia*
Agwu, Chinedu (Manchester, United Kingdom)
- 14:10 - 14:15 **Abstract 210:** *Reduced barrier function of the microvascular endothelial glycocalyx in women with a history of preeclampsia, one year after delivery*
Brands, Judith (Pittsburgh, United States of America)
- 14:15 - 14:20 **Abstract 133:** *The role of vitamin D in cell-cell interaction of endothelial cells and trophoblasts in a preeclampsia-like model*
Brodowski, Lars (Hannover, Germany)
- 14:20 - 14:25 **Abstract 253:** *Sublingual Microvascular Density and Glycocalyx Barrier Dynamics, During and After Normal and Preeclamptic Pregnancy*
Gandley, Robin E. (Pittsburgh, PA, United States of America)
- 14:25 - 14:30 **Abstract 310:** *Quercetin protects against the vascular contractile effect of placental secreted messengers released under placental hypoxia: an in-vitro model of preeclampsia*
Pellaers, Dominique (Maastricht, The Netherlands)
- 14:30 - 14:35 **Abstract 45:** *Effects of syncytiotrophoblast extracellular vesicles (stbevs) on endothelium-dependent vasodilation in uterine arteries from lectin-like oxidized ldl receptor-1 (lox-1) overexpressing mice during pregnancy*
Spaans, Floor (Edmonton, Canada)
- 14:35 - 14:40 **Abstract 89:** *Placental oxidative stress, angiogenic factor and maternal endothelial function in pregnant women with normotensive fetal growth restriction*
Watanabe, Kazushi (Nagakute, Japan)
- 14:40 - 14:45 **Late breaking abstract 453:** *Effect of high dose folic acid supplementation throughout pregnancy on preeclampsia (FACT): a double-blind, randomized controlled, international multi-centre trial.*
Walker, Mark, Ottawa

Poster pitches 2 | Placenta (room: Westergastheater)

Date: Tuesday, 09 October 2018

Time: 14:00 - 14:45

- 14:00 - 14:05 **Abstract 101:** *Lipoprotein turnover and possible remnant accumulation in preeclampsia: Insights from the Freiburg Preeclampsia H.E.L.P.-Apheresis Study*
Contini, Christine (Freiburg, Germany)
- 14:05 - 14:10 **Abstract 313:** *Fetal microchimerism in pregnancy and placental dysfunction*
Fjeldstad, Heidi E. (Oslo, Norway)
- 14:10 - 14:15 **Abstract 82:** *Disulfiram inhibits placental sFLT-1 secretion*
Hastie, Roxanne (Heidelberg, Australia)
- 14:15 - 14:20 **Abstract 7:** *Possible roles of (pro)renin receptor induced by hypoxia in trophoblasts*
Chikahito, Suda (Japan)
- 14:20 - 14:25 **Abstract 317:** *Do Calcium Channel Blockers Modulate Fetoplacental Blood Flow? A Study Using Parallel Wire Myography*
Moran, Olivia (Manchester, United Kingdom)
- 14:25 - 14:30 **Abstract 79:** *LXR and ABC-Transporter-Expression Patterns in the Placenta in IUGR*
Pecks, Ulrich (Kiel, Germany)

Poster pitches 3 | Translational research (room: Machinegebouw)

Date: Tuesday, 09 October 2018

Time: 14:00 - 14:45

- 14:00 - 14:05 **Abstract 283:** *A Novel Peptide-Based Antagonist of sFlt-1*
Eddy, Adrian C (United States of America)
- 14:05 - 14:10 **Abstract 140:** *A novel pre-eclampsia model induced by renal artery clipping*
Damasceno Rodrigues, Laís (Brazil)
- 14:10 - 14:15 **Abstract 55:** *Investigational RNAi therapeutic targeting angiotensinogen (AGT) ameliorates the preeclamptic phenotype in rodent models of preeclampsia*
Haase, Nadine (Berlin, Germany)
- 14:15 - 14:20 **Abstract 75:** *Magnesium deficiency induces hypertension associated with suppression of catechol-O-methyltransferase*
Kumagai, Asako (Kanazawa, Japan)
- 14:20 - 14:25 **Abstract 130:** *Nicotinamide alleviates preeclampsia-like features and lupus nephritis in pregnant MRL/lpr mice treated with LPS*
Oe, Yuji (Sendai, Japan)
- 14:25 - 14:30 **Abstract 237:** *Metabolomic analysis of preeclampsia in mouse overproducing sFlt-1*
Sato, Emiko (Japan)

- 14:30 - 14:35 **Abstract 202:** *Joint exposure to antiangiogenesis and inflammation in pregnant mice results in sex specific growth restriction patterns*
Stojanovska, Violeta (Groningen, The Netherlands)
- 14:35 - 14:40 **Abstract 88:** *Integrins ($\alpha 1$, $\beta 1$ and $\alpha 6$, $\beta 4$) differentially modulate trophoblast-endothelial interaction in vitro*
Xu, Bei Dr. (Newtown, Australia)
- 14:40 - 14:45 **Late breaking abstract 465:** *The impact of the HYPITAT I trial on obstetric management and maternal and neonatal outcome in women with gestational hypertension or preeclampsia in the Netherlands.*
Sonnville, Catherine de (Amsterdam, The Netherlands)

14:45-15:30: Poster session (all posters will be presented, including the posters from the poster pitches)

Poster session | Cardiology/nephrology

Date: Tuesday, 09 October 2018

Time: 14:45 - 15:30

Abstract 236: *Pregnancy In Renal Transplant Patients: Renal Function Markers And Maternal-Fetal Outcomes*

Vidiri, Camila (Brazil)

Abstract 234: *Maternal cardiovascular function at 35-37 weeks' gestation: Normal vs Hypertensive disorders of pregnancy*

Guy, Gavin (London, United Kingdom)

Abstract 74: *Central and uterine haemodynamics in hypertensive disorders of pregnancy*

Khalil, Asma (London, United Kingdom)

Abstract 21: *3d versus 2d echocardiography assessment of maternal cardiac remodeling in gestational hypertension*

Ilic, Aleksandra (Novi Sad, Serbia and Montenegro)

Abstract 376: *(ISSHP) Evaluation of urinary biomarkers to develop a new method for screening of preeclampsia - Systematic Review and Meta-analysis*

Correa, Mauricio (Valdivia, Chile)

Abstract 60: *Blood Pressure after PREEclampsia/HELLP by SELF monitoring (BP-PRESELF): rationale and design of a multicenter randomized controlled trial*

Muijsers, Hella (Nijmegen, The Netherlands)

Abstract 307: *Echocardiographic Assessment of Left Ventricular Systolic Function in Preeclampsia complicated by Pulmonary Oedema*

Langenegger, Eduard (Cape Town, South Africa)

Abstract 78: *Cardiovascular risk factors in young women after hypertensive disorders during pregnancy*

Chulkov, Vasilii (Chelybinsk, Russian Federation)

Abstract 182: *Dye-densitometry analysis of maternal circulating blood volume and cardiac output in hypertensive disorder in pregnancy*

Fujihara, Risa (Tokyo, Japan)

Abstract 156: *Proteinuria concentration of pregnant women with preeclampsia: this value would be an indicator of pregnancy interruption?*

Nomura, Eduardo Minoru (Botucatu - Sao Paulo, Brazil)

Abstract 268: *A multimarker model for aberrant cardiac geometry after PE*

Mohseni, Zenab (Maastricht, The Netherlands)

Abstract 147: *Hypertensive disorders of pregnancy increase the risk for chronic kidney disease: A population based retrospective study*

Oishi, Maika (Japan)

Abstract 12: *Right ventricle in gestational hypertension*

Stojisic, Snezana (Sremska Kamenica, Serbia and Montenegro)

Abstract 70: *Repeatability of USCOM®-measured cardiac output in normotensive non-pregnant and pregnant women*

Pettit, Franziska (Australia)

Abstract 119: *The management of pregnant women with chronic kidney disease: An 8-year review in a tertiary care center*

Mimura, Kazuya (Suita, Japan)

Poster session | Endothelium/lipids/oxidative stress

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Abstract 73: *Vitamin D enhances endothelial integrity and antagonizes inflammatory effects*

Schröder-Heurich, Bianca (Hannover, Germany)

Abstract 337: *Changes in endothelial glycocalyx between the first and third trimester in high-risk and low-risk pregnancies*

Bruekers, Astrid (Maastricht, The Netherlands)

Abstract 209: *The microvascular endothelial glycocalyx: impaired barrier function in preeclampsia with small gestational age neonates*

Brands, Judith (Pittsburgh, United States of America)

Abstract 99: *Concomitant intrauterine growth restriction alters the lipoprotein profile in preeclampsia*

Contini, Christine (Freiburg, Germany)

Abstract 344: *Pravastatin to treat early fetal growth restriction*

Ferrer OLiveras, Raquel (Barcelona, Spain)

Abstract 184: *High density lipoproteins lose their antioxidant protective effect during pre-eclampsia.*

Genoux, Annelise (Toulouse, France)

Abstract 115: *Significance of systemic vascular disorders in gestational complications in pregnancy*

Ayupova, Farida (Uzbekistan)

Poster session | Placenta Date: Tuesday, 09 October 2018

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Abstract 195: *Phenotype restoration of trophoblasts in preeclampsia by Low Level Light Therapy (LLLT)*

Weihrauch, Dorothee (Milwaukee, United States of America)

Abstract 271: *Imaging the Placental Glycocalyx*

Down, Colin (Bristol, United Kingdom)

Abstract 152: *Placental pathology and neonatal outcome in relation to uterine artery Doppler velocimetry in pregnancies complicated by placenta syndrome*

Schiffer, Veronique (Maastricht, The Netherlands)

Abstract 153: *Spiral arterial blood flow during pregnancy; a systematic review and meta-analysis*

Schiffer, Veronique (Maastricht, The Netherlands)

Abstract 164: *Evidence of senescence in post-mature and pathological human placentas; a possible contributing factor in pre-eclampsia?*

Cindrova-Davies, Tereza (Cambridge, United Kingdom)

Abstract 336: *Relationship between night time blood pressure measured using ambulatory monitoring and markers of placental function*

Shawkat, Emma (United Kingdom)

Abstract 340: *Quercetin protects against the vascular contractile effect of placental secreted messengers released under placental hypoxia*

Vangrieken, Philippe (Maastricht, The Netherlands)

Abstract 290: *Investigation of placental proteome of pregnant stroke-prone spontaneously hypertensive rats*

Samji, Sheon (Glasgow, United Kingdom)

Abstract 170: *Preeclamptic decidual stromal cells fail to decidualize during co-culture with placental villous explants*

Deepak, Venkataraman (Atlanta, United States of America)

Abstract 107: *Tonicity responses by TonEBP and SMIT in human primary term cytotrophoblasts*

Klossner, Rahel (Bern, Switzerland)

Abstract 10: *Angiotensin ii modulates the pathogenesis of preeclampsia through sflt-1 production from extravillous cytotrophoblast.*

Matsubara, Yuko (Toon, Japan)

Abstract 323: *Peculiarities of placental expression of erythropoethin in preeclampsia*

Chulkov, Vasilii (Chelybinsk, Russian Federation)

Poster session | Translational research

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Abstract 80: *Trans-resveratrol Increases Nitric Oxide and Heme-oxygenase-1 Production and Decreases ROS Levels In Endothelial Cells Incubated With Plasma From Preeclamptic Patients*

Caldeira Dias, Mayara (Botucatu, Brazil)

Abstract 249: *BKCa channels; a new target to treat maternal hypertension?*

Worton, Stephanie (United Kingdom)

Abstract 190: *Combination sulfasalazine and metformin are additive in reducing placental secretion of antiangiogenic factor sFlt*

Brownfoot, Fiona (Melbourne, Australia)

Abstract 90: *Catechol-O-methyltransferase deficiency leads to hypersensitivity on the pressor response against angiotensin II*

Ueki, Norikazu (Tokyo, Japan)

Abstract 110: *Preeclamptic plasma affects gene expression in human endothelial cells and vascular smooth muscle cells*

Lip, Simone (Groningen, The Netherlands)

Abstract 314: *Maternally Sequestered Biologics for Treatment of Preeclampsia*

Bidwell, Gene (Jackson, United States of America)

Abstract 58: *A peptide antagonist in a genetic rat angiotensinogen x renin model of preeclampsia*

Haase, Nadine (Berlin, Germany)

Abstract 322: *Pharmacokinetics of Placental Protein 13 (PP13) after intravenous and subcutaneous administration in rabbits*

Meiri, Hamutal (Tel Aviv, Israel)

Abstract 32: *Potential therapeutic in preeclampsia: effect of resveratrol on endothelial cells incubated with plasma from pregnant before clinical onset of disease*

Sandrim, Valeria (Botucatu, Brazil)

Poster session | late breaking abstracts

Date: Tuesday, 09 October 2018

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Abstract 456: *Neonatal asphyxia diagnosis in newborns of pregnancies with hypertensive disorders attended at a School Hospital in Porto Alegre/RS, Brazil: a retrospective cross-sectional study.*

Ramos, José Geraldo (Brazil)

Abstract 457: *Comparison between newborn's arterial blood gas analyses of various hypertensive disorders in pregnancy: a retrospective cross-sectional study.*

Ramos, José Geraldo (Brazil)

Abstract 458: *Continuous versus discontinuous Magnesium Sulphate treatment during expectant management of severe preeclampsia*

García-Ruiz, Itziar (Spain)

Abstract 440: *Maternal hepatic perfusion in patients with hypertensive disorders of pregnancy and HELLP syndrome*

Kawabata, Ikuno (Tokyo, Japan)

Abstract 442: *Characterization of ELABELA in pregnancy during women with chronic hypertension*

Malha, Line (New York, United States of America)

Abstract 460: *Preeclampsia and Gestational Hypertension: Role of Anti-angiogenic factors, sFlt-1 and sEng*

Siddiqui, Athar (Hyderabad, India)

Abstract 439: *Trophoblasts-specific Atg7 knockout-mediated poor placentation resulting in gestational hypertension in dams.*

Nakashima, Akitoshi (Toyama city, Japan)

Abstract 463: *Combining Metabolite Biomarkers and Placental Growth Factor Yields a Prognostic Test for Preterm Pre-eclampsia.*

Kenny, Louise (Liverpool, United Kingdom)

Abstract 464: *Safety Of Amlodipine In Early Pregnancy*

Mito, Asako (Tokyo, Japan)

Abstract 426: *Is Automated Blood Pressure Monitoring Reliable In Pregnancy?*

Kukreja, Hemapriya.L (Mysore, India)

Abstract 466: *Maternal and fetal complications in post kidney transplantation (KT) women*

Kirsanova, Tatyana (Moscow, Russian Federation)

Abstract 423: *Uterine vessels vasodilation effect of Placental Protein 13 (PP13) after subcutaneous slow-release administration in rats*

Drobnjak, Tijana (Reykjavik, Iceland)

Abstract 470: *Confirmation that the placenta is a significant source of circulating PlGF in normal pregnancy*

Cordeira, Ana Sofia (Oxford, United Kingdom)

Abstract 422: *The Eclampsia Maternal Mortality In Dr Soetomo General Hospital January 2015 – December 2017: Evidence From Dr Soetomo General Hospital*

Wicaksono, Budi (Surabaya, Indonesia)

Abstract 471: *Disruption of the balance of oxidative stress-associated angiogenesis in preeclampsia may cause future cardiovascular complications: VEGFR/Flt1 point-of-view*

Matos, Andreia (Lisboa, Portugal)

Abstract 472: *Severe maternal morbidity: the impact of hypertensive syndromes*

Pereira de Sousa, Francisco Lázaro (Brazil)

Abstract 473: *Relation between sFlt-1/PlGF ratio and clinical decision making in pregnancies with placental disease – a real world analysis*

Andraczek, Theresa (Leipzig, Germany)

Abstract 474: *Mild preeclampsia delivery at 37 week: Epidemiological profile and perinatal outcomes*

Souza, Francisco Lázaro P. (Brazil)

Abstract 459: *Risk Of Preeclampsia In Women With Placenta Percreta*

Narvaez Domínguez, Victor Eduardo (Mexico City, Mexico)

Abstract 445: *Impact of gestational weight gain on the incidence of preeclampsia in obese women*

Premru-Srsen, Tanja (Ljubljana, Slovenia)

Abstract 476: *Epidemiological profile and perinatal outcomes among types of clinical hypertension presentation in pregnancy*

Souza, Francisco Lázaro P. (Brazil)

Abstract 477: *Preventive subfascial application of absorbable hemostatic material in patients with HELLP syndrome may help to reduce the incidence of wound complications*

Simetka, Ondrej (Ostrava, Czech Republic)

Abstract 478: *The effect of changing food habits on the management of hypertension in pregnant women*

Namaki, Atefeh - (Urmia, Iran)

Abstract 462: *Comparison of long-term neurological prognosis in the children born from mothers with hypertensive disorders of pregnancy and intracranial imaging by MRI*

Kusabiraki, Tae (Toyama City, Japan)

Abstract 455: *The Characteristic of PE (Preeclampsia) Complication at Lupus on Pregnancy*

Dachlan, Erry Gumilar (Surabaya, Indonesia)

Abstract 424: *Vegf Functionalized Beads In Microfluidic Device To Restore The Physiological sFlt-1/Plgf Balance In Preeclampsia*

Lecarpentier, Edouard (Créteil, France)

Abstract 461: *Silibinin Downregulates The Inflammatory Response In Monocytes Of Pregnant Women With Preeclampsia*

Gomes, Virginia (Botucatu, Brazil)