

# The Royal Women's Hospital Pregnancy Research Centre

## Publications

### 2011-2015

#### 2015

614	Abomaray FM, Al Jumah MA, Kalionis B, AlAskar AS, Al Harthy S, Jawdat D, Al Khaldi A, Alkushi A, Knawy BA, Abumaree MH. (2015) Human chorionic villous mesenchymal stem cells modify the functions of human dendritic cells, and induce an anti-inflammatory phenotype in CD1+ Dendritic cells. <i>Stem Cell Reviews and Reports</i> . 11(3):423-441
613	Al-Amin A, Hingston T, Mayall P, Araujo Júnior E, Costa F, Friedman D. (2015) The utility of ultrasound in late pregnancy compared with clinical evaluation in detecting small and large for gestational age fetuses in low-risk pregnancies. <i>The Journal of Maternal-Fetal &amp; Neonatal Medicine</i> . 28(13):1495-1499
612	Alves JAG, Miyague AH, de Sousa PCP, Maia SB, da Silva Costa F, Martins WP. (2015) Brachial artery flow mediated dilation in the first trimester to predict the occurrence of hypertensive disorders during pregnancy. <i>Fetal Diagnosis and Therapy</i> . 37(4):316-320
611	Araujo Júnior E, Palma-Dias R, Martins WP, Reidy K, da Silva Costa F. (2015) Congenital heart disease and adverse perinatal outcome in fetuses with confirmed isolated single functioning umbilical artery. <i>Journal of Obstetrics and Gynaecology</i> . 35(1):85-87
610	Bardin N, Murthi P, Alfaidy N. (2015) Normal and pathological placental angiogenesis. <i>Biomed Res Int</i> . 2015:354359.
609	Barros F, Rolo L, Martins W, Moron A, da Silva Costa F, Araujo Junior E. (2015) Reference ranges for the volumes of fetal cardiac ventricular walls by three-dimensional ultrasound using spatiotemporal image correlation and virtual organ computer-aided analysis and its validation in fetuses with congenital heart diseases. <i>Prenatal Diagnosis</i> . 35(1):65-73
608	Bell S, O'Mahony E, Fink AM, Woodrow N, Reidy K, Palma-Dias R. (2015) Antenatal imaging of anomalies of the corpus callosum: a decade of experience. <i>Archives of Gynecology and Obstetrics</i> . 292(3):537-542
607	Borg A, Yong HEJ, Lappas M, Degrelle SA, Keogh RJ, Da Silva Costa F, Fournier T, Abumaree M, Keelan JA, Kalionis B, Murthi P. (2015) Decreased STAT3 in human idiopathic fetal growth restriction contributes to trophoblast dysfunction. <i>Reproduction</i> . 149(5):523-532
606	Borges Cavalcante M, Silva Costa F, Barini R, Araujo Júnior E. (2015) Granulocyte colony-stimulating factor and reproductive medicine: A review. <i>Iranian Journal of Reproductive Medicine</i> . 13(4):195-202
605	Cavalcante MB, Costa FD, Araujo Júnior E, Barini R. (2015) Risk factors associated with a new pregnancy loss and perinatal outcomes in cases of recurrent miscarriage treated with lymphocyte immunotherapy. <i>The Journal of Maternal-Fetal &amp; Neonatal Medicine</i> . 28(9):1082-1086
604	Chen Y, Sun T, Wu J, Kalionis B, Wan W, Huang J, Cai W, Wu J, Ding J, Tai X, Xia S. (2015) Icaritin intervenes in cardiac inflamm-aging through upregulation of SIRT6 enzyme activity and inhibition of NF-kappa B pathway. <i>BioMed Research International (Aging and Cardiovascular Risk)</i> . 2015:895976
603	East CE, Kane SC, Davey M-A, Kamlin CO, Brennecke SP. (2015) Protocol for a randomised controlled trial of fetal scalp blood lactate measurement to reduce caesarean sections during labour: the Flamingo trial. <i>BMC Pregnancy and Childbirth</i> . 15:285.

602	Fennessy KM, Doyle LW, Naud K, Reidy K, Umstad MP. (2015) Triplet pregnancy: is the mode of conception related to perinatal outcomes? <i>Twin Research and Human Genetics</i> . 18(3):321-327
601	Ferriera A, Araujo Junior E, Martins W, Jordao JF, Oliani A, Meagher S, Silva Costa F. (2015) Trans-Pacific tele-ultrasound image transmission of fetal central nervous system structures. <i>The Journal of Maternal-Fetal &amp; Neonatal Medicine</i> . 28(14):1706-1710
600	Ferriera AC, O'Mahony E, Oliani AH, Araujo Junior E, Silva Costa F. (2015) Teleultrasound: Historical Perspective and clinical Application. <i>International Journal of Telemedicine and applications</i> . 2015:306259, 11 Pages
599	Georgiou HM, Di Quinzio MK, Permezel M, Brennecke SP. (2015) Predicting Preterm Labour: Current Status and Future Prospects. <i>Disease Markers</i> . 2015:435014
598	Hui L, Teoh M, da Silva Costa F, Ramsay P, Palma-Dias R, Richmond Z, Piessens S, Walker S. (2015) Clinical implementation of cell-free DNA based aneuploidy screening: perspectives from a national audit. <i>Ultrasound in Obstetrics and Gynecology</i> . 45(1):10-15
597	Kane SC, Dennis AT. (2015) Doppler assessment of uterine blood flow in pre-eclampsia: a review. <i>Hypertension in Pregnancy</i> . 34(4):400-421
596	Khong SL, Kane SC, Brennecke S, da Silva Costa F. (2015) First Trimester Uterine Artery Doppler Analysis in the Prediction of Later Pregnancy Complications. Review. <i>Disease Markers</i> . 2015:679730
595	Kusuma GD, Manuelpillai U, Abumaree MH, Pertile MD, Brennecke SP, Kalionis B. (2015) Mesenchymal stem cells reside in a vascular niche in the decidua basalis and are absent in remodelled spiral arterioles. <i>Placenta</i> . 36:312-321
594	Kusuma GD, Menicanin D, Gronthos S, Manuelpillai U, Abumaree MH, Pertile MD, Brennecke SP, Kalionis B. (2015) Ectopic Bone Formation by Mesenchymal Stem Cells Derived from Human Term Placenta and the Decidua. <i>PLoS One</i> . 10(10):e0141246.
593	Magatti M, Caruso M, De Munari S, Vertua E, De D, Manuelpillai U*, Parolini O*. (2015) Human amniotic membrane-derived mesenchymal and epithelial cells exert different effects on monocyte-derived dendritic cell differentiation and function. <i>Cell Transplantation</i> . * joint senior author 24(9):1733-1752
592	Maia SB, Moura H, Kane SC, Costa Fda S. (2015) Pre-implantation genetic screening and diagnosis: what doctors should know. <i>Revista Brasileira de Ginecologia e Obstetricia</i> . 37(2):53-8
591	Mitchell SE, Reidy K, Da Silva Costa F, Palma-Dias R, Cade TJ, Umstad MP. (2015) Congenital malformations associated with a single umbilical artery in twin pregnancies. <i>Twin Research and Human Genetics</i> . 18(5):595-600
590	Murthi P, Brouillet S, Pratt A, Borg A, Kalionis B, Goffin F, Tsatsaris V, Munaut C, Feige J, Benharouga M, Fournier T, Alfaidy N. An EG-VEGF-dependent decrease in homeobox gene NKX3.1 contributes to cytotrophoblast dysfunction: a possible mechanism in human fetal growth restriction. <i>Molecular Medicine</i> 2015:645-56
589	Negrini R, Assef LC, Da Silva Costa F, Araujo Junior E. (2015) Delivery modes and the neonatal outcomes of low birth-weight neonates in a Brazilian reference health center. <i>Cesky Gynecologie</i> . 80(5):366-371
588	Ning Y, Huang J, Kalionis B, Bian Q, Dong J, Wu J, Tai X, Xia S, Shen Z. (2015) Oleanolic Acid Induces Differentiation of Neural Stem Cells to Neurons: an Involvement of Transcription Factor Nkx-2.5. <i>Stem Cells International</i> . 2015:672312
587	Nguyen TPH, Yong HEJ, Chollangi T, Borg AJ, Brennecke SP, Murthi P. (2015) Placental VitaminD receptor expression is decreased in human idiopathic fetal growth restriction. <i>Journal of Molecular Medicine</i> . 93(7):795-805

586	Oliveira OP, Araujo Junior E, Lima J, Salustiano UMA; Ruano R, Martins WP, da Silva Costa F. (2015) Flow-mediated dilation of brachial artery and endothelial dysfunction in pregnant women with preeclampsia: a case control study. <i>Minerva Ginecologica</i> . 67(4):307-313
585	Pratt A, Da Silva Costa F, Borg AJ, Kalionis B, Keogh RJ, Murthi P. (2015) Placenta-derived angiogenic proteins and their contribution to the pathogenesis of pre-eclampsia. Review. <i>Angiogenesis</i> . 18(2):115-123
584	Rôlo L, Santana E, Henriques P, Costa F, Nardoza L, Tonni G, Moron A, Araujo Júnior E. (2015) Fetal cardiac interventricular septum: volume assessment by 3D/4D ultrasound using spatio-temporal image correlation (STIC) and virtual organ computer-aided analysis (VOCAL). <i>The Journal of Maternal-Fetal &amp; Neonatal Medicine</i> . 28(12):1388-1393
583	Sheehan PM, Nankervis A, Araujo Júnior E, Da Silva Costa F. (2015) Maternal thyroid disease and preterm birth: systematic review and meta-analysis. <i>The Journal of clinical endocrinology and Metabolism</i> . 100(11):4325-31
582	Silva FT, Araujo Junior E, Santana EFM, Lima JWO, Cecchino GN, Da Silva Costa F. (2015) Translation and cross-cultural adaptation of the Pregnancy Physical Activity Questionnaire (PPAQ) to the Brazilian population. <i>Ceska Gynekologie</i> 80(1):290-298
581	Sim S, Costa F da S, Araujo Junr E, Sheehan PM. (2015) Factors associated with spontaneous preterm birth risk assessed by transvaginal ultrasound following cervical cerclage. <i>ANZJOG</i> . 55(4):344-349
580	Souza PCP, Alves JAG, Maia SM, Araujo Junior E, Santana EFM, Da Silva Costa F. (2015) The 4G/4G polymorphism of the plasminogen activator inhibitor-1 (PAI-1) gene as an independent insufficiency, which triggers fetal hemodynamic centralization. <i>Česká gynekologie</i> . 80(1):74-79
579	Stark Z, McGillivray G, Sampson A, Palma Dias R, Edwards A, Said JM, Whiteley G, Fink AM. (2015) Apert syndrome: temporal lobe abnormalities on fetal brain imaging. <i>Prenatal Diagnosis</i> . 33(2):179-182
578	Stepan H, Herraiz I, Schlembach D, Verlohren S, Brennecke S, Chantraine F, Klein E, Lapaire O, Llurba E, Ramoni A, Vatish M, Wertaschnigg D, Galindo A. (2015) Implementation of the sFlt-1/PIGF ratio for prediction and diagnosis of preeclampsia in singleton pregnancies: guidance for clinical practice. <i>Ultrasound in Obstetrics and Gynaecology</i> . 45(3):241-246
577	Sun T, Kalionis B, Lv G, Xia S, Gao W. (2015) Role of exosomal noncoding RNAs in lung carcinogenesis. <i>BioMed Research International</i> 2015:125807
576	Verburg B, Fink M, Reidy K, Palma-Dias R. (2015) The contribution of MRI after fetal anomalies are diagnosed by ultrasound: correlation with postnatal outcomes. <i>Fetal Diagn Ther</i> . 38(3):186-94.
575	Viana MC, Araujo Júnior E, Santana EM, Lima JWO, Costa F. (2015) Analysis of pulmonary function in high-risk pregnancies: a case-control study. <i>The Journal of Maternal-Fetal &amp; Neonatal Medicine</i> . 28(9):994-999
574	Wan W, Cao L, Kalionis B, Xia S and Tai X. (2015) Applications of induced pluripotent stem cells in studying the neurodegenerative diseases. Review. <i>Stem Cells International</i> . 2015:382530
573	Wan W, Cao L, Liu L, Zhang C, Kalionis B, Tai X, Li Y, Xia S. (2015) A $\beta$ 1-42 oligomer-induced leakage in an in vitro blood-brain barrier model is associated with up-regulation of RAGE and metalloproteinases, and down-regulation of tight junction scaffold proteins. <i>J Neurochem</i> . 134(2):382-393

572	Yong HEJ, Melton PE, Johnson MP, Freed KA, Kalionis B, Murthi P, Brennecke SP, Keogh RJ, Moses EK. (2015) Genome-wide transcriptome directed pathway analysis of maternal pre-eclampsia susceptibility genes. <i>PLOS ONE</i> . 10(5):ee0128321
571	Yong HEJ, Murthi P, Wong MH, Kalionis B, Brennecke SP, Keogh RJ. (2015) Anti-angiogenic collagen fragment arresten is increased from 16 weeks' gestation in pre-eclamptic plasma. <i>Placenta</i> . 36(11):1300-9
570	Yong HEJ, Murthi P, Wong MH, Kalionis B, Cartwright JE, Brennecke SP, Keogh RJ. (2015) Effects of normal and high circulating concentrations of activin A on vascular endothelial cell functions and vasoactive factor production. <i>Pregnancy Hypertension: An International Journal of Women's Cardiovascular Health</i> . 5(4):346-53

## 2014

569	Abumaree MH, Alahari S, Albrecht C, Aye IL, Bainbridge S, Chauvin S, Clifton VL, Desoye G, Ermini L, Giuffrida D, Graham CH, Huang QT, Kalionis B, Lager S, Leech L, Li Y, Litvack ML, Nuzzo AM, Moretto-Zita M, O'Tierney-Ginn P, Powell T, Rolfo A, Salomon C, Serov A, Westwood M, Yung HW, Lash GE. (2014) IFPA Meeting 2013 Workshop Report I: Diabetes in pregnancy, maternal dyslipidemia in pregnancy, oxygen in placental development, stem cells and pregnancy pathology. <i>Placenta</i> . 35:Suppl A, <i>Trophoblast Research</i> 28:S4-9
568	Abumaree MH, Al Askar AS, Kalionis B, Abomaray FM, Jawdat D, Hajeer AH, Fakhoury H, Al Jumah MA. (2014) Stem Cell Research and Regenerative Medicine at King Abdullah International Medical Research Center (KAIMRC). <i>Stem Cells and Development</i> . 23, Suppl 1 2014
567	Ades A, May J, Cade TJ, Umstad MP. (2014) Laparoscopic transabdominal cervical cerclage: A 6-year experience. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> . 54:117–120
566	Alves JAG, Yang B, Pracianode Sousa PC, Bezera Maia E Holanda Moura S, Kane S, da Silva Costa F. (2014) Reference values of maternal ophthalmic artery Doppler variables in the first trimester of normal pregnancy. <i>Journal of Clinical Ultrasound</i> . 42(4):199-204
565	Arsala L, da Silva Costa FD, Murthi P. (2014) The Association between maternal vitamin D status in gestation and Pre-Eclampsia. <i>Journal of Pregnancy and Child Health</i> . 1:107 doi: 10.4172/2376-127X.1000107
564	Boashash B, Khlif MS, Ben-Jabeur T, East CE, Colditz PB. (2014) Passive detection of accelerometer-recorded fetal movements using a time–frequency signal processing approach. <i>Digital Signal Processing</i> 25:134–155
563	Cade TJ, Da Silva Costa F, Reidy K, Doyle LW, Mitchell SE, Palma-Dias R, Umstad MP. (2014) Pregnancy prognosis associated with an isolated single umbilical artery in twin pregnancy <i>Twin Research and Human Genetics</i> . 17(6):584-588
562	Charan P, Woodrow N, Walker SP, Ganesamoorthy D, McGillivray G, Palma-Dias R. (2014) High-resolution microarray in the assessment of fetal anomalies detected by ultrasound. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> . 54(1):46-52.
561	Chui A, Murthi P, Gunatillake T, Brennecke SP, Ignjatovic V, Monagle PT, Whitelock JM, Said JM. (2014) Altered decorin leads to disrupted endothelial cell function: A possible mechanism in the pathogenesis of fetal growth restriction? <i>Placenta</i> . 35(8):596-605
560	Costa AL, Araujo E Júnior, Lima JW, Costa FD. (2014) [Article in Portuguese] Maternal risk factors associated with the necessity of neonatal intensive care unit. <i>Revista Brasileira de Ginecologia e Obstetricia</i> . 36(1):29-34

559	Egan E, Reidy K, O'Brien L, Erwin R, Umstad M. (2014) The outcome of twin pregnancies discordant for trisomy 21. <i>Twin Research and Human Genetics</i> . 17(1):38-44
558	Ghali R, Reidy K, Fink AM, Palma Dias R. (2014) Perinatal and short term neonatal outcomes of posterior fossa anomalies. <i>Fetal Diagnosis &amp; therapy</i> . 35(2):108-117
557	Gurgel Alves JA, Pracianode Sousa PC, Bezera Maia E Holanda Moura S, Kane S, da Silva Costa F. (2014) First trimester maternal ophthalmic artery Doppler analysis for prediction of pre-eclampsia. <i>Ultrasound in Obstetrics and Gynecology</i> . 44:411-418
556	Hodge A, Lourensz D, Vaghjiani V, Nguyen H, Tchongue J, Wang B, Murthi P, Sievert W, Manuelpillai U. Soluble factors derived from human amniotic epithelial cells suppress collagen production in human hepatic stellate cells. <i>Cytotherapy</i> . 16(8):1132-1144
555	Huang Q, Liu L, Hu B, Di X, Brennecke SP, Liu H. (2014) Decreased seizure threshold in an Eclampsia-like model induced in pregnant rats with Lipopolysaccharide and Pentylene tetrazol treatments. <i>PlosOne</i> . 9(2):e89333
554	Judd F, Komiti A, Sheehan P, Newman L, Castle D, Everall I. (2014) Adverse obstetric and neonatal outcomes in women with severe mental illness: To what extent can they be prevented? <i>Schizophrenia Research</i> . 157(1-3):305-309
553	Kane SC, Da Silva Costa F, Brennecke SP. (2014) First trimester biomarkers in the prediction of later pregnancy complications. Review. <i>BioMed Research International</i> . Vol 2014, Article ID 807196
552	Kane SC, Da Silva Costa F, Brennecke SP. (2014) Recent developments in early pregnancy screening: are we getting closer to the Holy Grail? <i>The Medical Journal of Australia</i> . 200(3):140-141
551	Kane SC, Da Silva Costa F, Brennecke SP. (2014) New directions in the prediction of pre-eclampsia. Review. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> . 54(2):101-107
550	Kane SC, Da Silva Costa F, Brennecke SP. (2014) Re: New directions in the prediction of pre-eclampsia. <i>Australian and New Zealand Journal of Obstetrics and Gynaecology</i> 54(4):395-396
549	*Liu H, *Murthi P, Qin S, Kusuma GD, Borg A, Knöfler M, Haslinger P, Manuelpillai U, Pertile MD, Abumaree M, Kalionis B. (2014) A novel combination of homeobox genes is expressed in mesenchymal chorionic stem/stromal cells in first trimester and term pregnancies. <i>Reproductive Sciences</i> . 21(11):1382-94 * equal first authors
548	Liu L, Wan W, Xiab S, Kalionis B, Li Y. (2014) Dysfunctional of Wnt/ $\beta$ -catenin signaling contributes to the blood-brain barrier breakdown in Alzheimer's Disease. Review. <i>Neurochemistry International</i> . 75:19-25
547	Liu YH, Chan J, Vaghjiani V, Murthi P, Manuelpillai U, Toh BH. (2014) Human amniotic epithelial cells suppress relapse of corticosteroid-remitted experimental autoimmune disease. <i>Cytotherapy</i> . 16(4):535-44
546	Loset M, Johnson MP, Melton PE, Ang W, Huang R-C, Mori TA, Beilin LJ, Pennell C, Roten LT, Iversen A-C, Austgulen R, East CE, Blangero J, Brennecke SP, Moses EK. (2014) Preeclampsia and cardiovascular disease share genetic risk factors on chromosome 2q22. <i>Pregnancy Hypertension</i> . 4(2):178-85
545	Murthi P. (2014) Placental homeobox genes and their role in regulating human fetal growth. Review: <i>Placenta</i> . 35, Suppl A, <i>Trophoblast Research</i> 28:S46-50
544	Murthi P, Abumaree M, Kalionis B. (2014) Analysis of homeobox gene action may reveal novel angiogenic pathways in normal placental vasculature and in clinical pregnancy disorders associated with abnormal placental angiogenesis. <i>Frontiers in Cardiovascular and Smooth Muscle Pharmacology</i> . 5(133):1-12

543	Parkington HC, Stevenson J, Tonta MA, Paul J, Butler T, Maiti K, Chan EC, Sheehan PM, Brennecke SP, Coleman HA, Smith R. (2014) Diminished hERG K(+) channel activity facilitates strong human labour contractions but is dysregulated in obese women. <i>Nature Communications</i> . 5:4108 1-8
542	Sheehan P, Rice GE, Brennecke SP. (2014) 5 $\beta$ -dihydroprogesterone and Human Preterm Labor. <i>Open Journal of Endocrine and Metabolic Diseases (OJEMD)</i> . 4:128-135
541	Vaghjiani V, Vaithilingam V, Saraswati I, Sali A, Murthi P, Kalionis B, Tuch BE, Manuelpillai U. (2014) Hepatocyte-like cells derived from human amniotic epithelial cells can be encapsulated without loss of viability or function in vitro. <i>Stem Cells and Development</i> . 23(8):866-76
540	Vasconcelos CMCS, da Silva Costa F, de Almeida PC, Araujo Júnior E, Sampaio HAC. (2014) Risk factors associated with weight retention in postpartum period. <i>Revista Brasileira de Ginecologia e Obstetricia</i> . 36(5):222-227
539	Wan W, Cao L, Liu LM, Kalionis B, Chen C, Tai XT, Li YM, Xia SJ. (2014) EGb761 provides a protective effect against A $\beta$ 1-42 oligomer-induced cell damage and blood-brain barrier disruption in an in vitro bEnd.3 endothelial model. <i>PLoS One</i> . 9(11):e113126.
538	Wan W, Xia S, Kalionis B, Liu L, Li Y. (2014) The role of Wnt signaling in the development of Alzheimer's Disease: A potential therapeutic target? <i>BioMed Research International</i> . vol. 2014, Article ID 301575
537	Wu J, Xia S, Kalionis B, Wan W, Sun T. (2014) The role of oxidative stress and inflammation in cardiovascular aging. <i>BioMed Research International</i> vol. 2014, Article ID 615312
536	Yong HEJ, Murthi P, Borg A, Kalionis B, Moses EK, Brennecke SP, Keogh RJ. (2014) Increased decidual mRNA expression levels of candidate maternal pre-eclampsia susceptibility genes are associated with clinical severity. <i>Placenta</i> . 35(2):117-124

## 2013

535	Abumaree MH, Al Jumah MA, Kalionis B, Jawdat D, Al Khaldi A, Al Talabani AA, Knawy BA. (2013) Phenotypic and functional characterization of mesenchymal stem cells from chorionic villi of human term placenta. <i>Stem Cell Reviews and Reports</i> . 9(1):16-31
534	Abumaree MA, Al Jumah A, Kalionis B, Jawdat D, Al Khaldi A, Abomaray FM, Melad AM, AS. Fatani AS and Knawy BA. (2013) Human placental mesenchymal stem cells (pMSC) play a role as immune suppressive cells by shifting macrophage differentiation from inflammatory M1 to anti-inflammatory M2 macrophages. <i>Stem Cell Reviews and Reports</i> . 9(5):620-41. doi: 10.1007/s12015-013-9455-2
533	Al-Khan A, ....Murthi P, ....Lash GE. IFPA Meeting 2012 (2013) Workshop Report III: Trophoblast deportation, gestational trophoblastic disease, placental insufficiency and fetal growth restriction, trophoblast over-invasion and accreta-related pathologies, placental thrombosis and fibrinolysis. <i>Placenta</i> . 34 Suppl:S11-6 doi: 10.1016/j.placenta.2012.11.018.
532	Alves JAG, Silva BY, Sousa PC, Maia SB, Costa F da S. (2013) Reference range of uterine artery Doppler parameters between the 11th and 14th pregnancy weeks in a population sample from Northeast Brazil. <i>Rev Bras Ginecol Obstet</i> . 35(8): 357-362
531	Begg LB, Palma-Dias R, Wang J, Chin-Dusting JP, Skilton MR. Maternal adiposity and newborn vascular health. <i>Arch Dis Child Fetal Neonatal Ed</i> . 98(3):F279-F280
530	Brouillet S, Murthi P, .....Alfaidy N. (2013) EG-VEGF controls placental growth in normal and pathological pregnancies: Case of fetal growth restriction (FGR). <i>Cellular and Molecular Life Sciences</i> . 70(3):511-25
529	Charan P, Palma-Dias R, Walker SP, Ganeesamoorthy D, McGillivray G, Woodrow N. (2013) Molecular karyotyping: a revolutionary concept in prenatal diagnosis. <i>Ultrasound</i> . 21: 93

528	Chau SE, Murthi P, Wong MH, Whitley StJ G, Brennecke SP, Keogh RJ. (2013) Control of extravillous trophoblast function by the eotaxins CCL11, CCL24 and CCL26. <i>Human Reproduction</i> . 28(6):1497-507 DOI 10.1093/humrep/det060
527	Chui A, Kalionis B, Abumaree M, Cocquebert M, Fournier T, Evain-Brion D, Brennecke SP, Murthi P. (2013) Downstream targets of the homeobox gene DLX3 are differentially expressed in the placentae of pregnancies affected by human idiopathic fetal growth restriction. <i>Molecular and Cellular Endocrinology</i> . 377(1-2):75-83. doi: 10.1016/j.mce.2013.06.032
526	Colditz PB, East C. (2013) Fetal Pulse Oximetry, in <i>Anesthesia and the Fetus</i> (eds Y. Ginosar, F. Reynolds, S. Halpern and C. P. Weiner), Wiley-Blackwell, Oxford, UK. doi: 10.1002/9781118477076.ch13
525	Crawford KE, Stevenson JL, Wlodek ME, Gude NM. (2013) No change in calreticulin with fetal growth restriction in human and rat pregnancies. <i>Placenta</i> . 34 (11):1066-1071 doi.org/10.1016/j.placenta.2013.07.068
524	Cruickshank MN, Oshlack A, Theda C, Davis PG, Martino D, Sheehan P, Day Y, Saffery R, Doyle LW, Craig JM. (2013) Analysis of epigenetic changes in survivors of preterm birth reveals the effect of gestational age and evidence for a long term legacy. <i>Genome Medicine</i> . 5:96 DOI: 10.1186/10.1186/gm500
523	Ganesamoorthy D, Bruno D, McGillivray G, Norris F, White S, Adroub S, Amor D, Yeung A, Oertel R, Pertile M, Ngo C, Arvaj A, Walker S, Charan P, Palma-Dias R, Woodrow N, Slater H. (2013) Meeting the challenge of interpreting high-resolution single nucleotide polymorphism array data in prenatal diagnosis: does increased diagnostic power outweigh the dilemma of rare variants? <i>BJOG</i> . 120(5):594-606
522	Gude N, Stevenson J, Sheehan P, Brennecke S. A Case of Adenomyosis with a High Titre of IgG Autoantibody to Calreticulin. <i>Case Report. Journal of Investigative Medicine High Impact Case Reports</i> . Published online: 23.10.2013. doi:10.1177/2324709613509988
521	Gunatillake T, Chui A, Said JM. (2013) The role of placental glycosaminoglycans in the prevention of Pre-eclampsia. <i>Journal of Glycobiology</i> . 2:105 doi:10.4172/2168-958X.1000105
520	Huang J, Li J, Zheng S, Zhang W, Sun T, Dewan SK, Kalionis B, Shen Z, Tai X, Xia S. (2013) Epimedium flavonoids counteract the side effects of glucocorticoids on hypothalamic-pituitary-adrenal axis. <i>Evidence-Based Complementary and Alternative Medicine</i> . Vol 2013, Article ID 938425, 9 pages. doi:10.1155/2013/938425.
519	Johnson MP, Brennecke SP, East CE, Dyer TD, Roten LT, Proffitt JM, Melton PE, Fenstad MH, Aalto-Viljakainen Tia, Mäkikallio K, Heinonen S, Kajantie E, Kere J, and Laivuori H for the FINNPEC Study Group, Austgulen R, Blangero J, Moses EK. (2013) Genetic dissection of the preeclampsia susceptibility locus on chromosome 2q22 reveals shared novel risk factors for cardiovascular disease. <i>Molecular Human Reproduction</i> . 19(7):423-37. doi: 10.1093/molehr/gat011
518	Kane SC, Dennis A, da Silva F, Kornman L, Brennecke S. (2013) Contemporary clinical management of the cerebral complications of preeclampsia. <i>Review Obstetrics and Gynecology International</i> . Article ID 985606, doi:10.1155/2013/985606.
517	Loke YJ, Novakovic B, Ollikainen M, Wallace EM, Umstad MP, Permezel M, Morley R, Ponsonby AL, Gordon L, Galati JC, Saffery R, Craig JM. (2013) The Peri/Postnatal Epigenetic Twins Study (PETS). <i>Twin Res Hum Genet</i> . 16(1):13-20
516	Menezes M, Meagher S, Da Silva Costa F. (2013) Ethical considerations when offering noninvasive prenatal testing. <i>Rev Bras Ginecol Obstet</i> . 35(5):195-198
515	Moodley Y, Vaghjiani V, Chan J, Baltic S, Ryan M, Tchongue J, Samuel CS, Murthi P, Parolini O, Manuelpillai U. (2013) Anti-inflammatory effects of adult stem cells in sustained lung injury: a comparative study. <i>PLoS One</i> . 8(8):e69299. doi: 10.1371/journal.pone.0069299

514	Murthi P, Kalionis B, Rajaraman G, Cocquebert M, Chui A, Keogh RJ, Evain Brion D, Fournier T. (2013) Homeobox genes and down-stream transcription factor PPAR gamma in normal and pathological human placental development. Review. Placenta. 34(4):299-309
513	Pathirage NA, Cocquebert M, Sadovsky Y, Abumaree M, Manuelpillai U, Borg A, Keogh RJ, Brennecke SP, Evain-Brion D, Fournier T, Kalionis B, Murthi P. Homeobox gene transforming growth factor $\beta$ induced factor-1 (TGIF-1) is a regulator of villous trophoblast differentiation and its expression is increased in human idiopathic fetal growth restriction. Mol Hum Reprod. 19(10):665-75
512	Rocha RS, Bezerra SC, Lima JW de Oliveira, Costa F da Silva. (2013) Consumption of medications, alcohol and smoking in pregnancy and assessment of teratogenic risks. Rev Gaucha Enferm. 34:2(37-45)
511	Tee JY, Vaghjiani V, Liu YH, Murthi P, Chan J, Manuelpillai U. (2013) Immunogenicity and Immunomodulatory Properties of Hepatocyte-like Cells Derived from Human Amniotic Epithelial Cells. Curr Stem Cell Res Ther. 8(1):81-89
510	Umstad MP, Hale L, Wang YA, Sullivan EA. (2013) Multiple deliveries: The reduced impact of in vitro fertilisation in Australia. ANZJOG. 53(2):158-164
509	Verburg BO, Steegers EAP, Fink AM, Reidy K, Palma- Dias R. (2013) Book chapter 'Fetal MRI' in E. Slager et al (eds.) Reproductive Medicine, Gynaecology and Obstetrics 2013 p473-479 (Dutch)
508	Walker SP, Palma-Dias R, Wood EM, Shekleton P, Giles ML. (2013) Cytomegalovirus in pregnancy: to screen or not to screen. BMC Pregnancy and Childbirth. 13:96

## 2012

507	Abumaree M, Al Jumah M, Pace RA, Kalionis B. (2012) Immunosuppressive properties of mesenchymal stem cells. Stem Cell Reviews and Reports. 8:375-392
506	Ackerman WE...Kalionis B...Lash GE. (2012) IFPA Meeting 2011 Workshop Report III: placental immunology; epigenetic and microRNA dependent gene regulation; comparative placentation; trophoblast differentiation; stem cells. Placenta. 33:Suppl S15-S22
505	Ameratunga D, Said JM, Reidy K, Palma Dias R. (2012) Perinatal outcomes following midtrimester diagnosis of fetal echogenic bowel. Fetal Diagnosis and Therapy. 31 (3):179-184
504	Bezerra Maia E Holanda Moura S, Marques Lopes L, Murthi P, Costa F. (2012) Prevention of Pre-eclampsia. An Invited Review. J of Pregnancy. 2012:435090. doi: 10.1155/2012/435090. Epub 2012 Dec 17
503	Bolch CE, Davis P, Umstad MP, Fisher J. (2012) Multiple birth families with children with special needs: A qualitative investigation of mothers' experiences. Twin Research. 15 (4):503-515
502	Bulmer JN...Murthi P...Lash GE. (2012) IFPA Meeting 2011 workshop report II: Angiogenic signaling and regulation of fetal endothelial function; placental and fetal circulation and growth; spiral artery remodeling. Placenta. 33:Suppl,S9-S14.
501	Castrechini NM, Murthi P, Qin S, Kasuma GD, Wilton L, Abumaree M, Gronthos S, Zannettino A, Gude NM, Brennecke SP, Kalionis B. (2012) Decidua parietalis-derived multipotent mesenchymal stromal cells reside in a vascular niche within the choriodecidua of human fetal membranes. Reproductive Sciences. 19(12):1302-14
500	Chen JZ-J, Sheehan P, Brennecke SP, Keogh RJ. (2012) Vessel remodelling, pregnancy hormones and extravillous trophoblast function (Review). Molecular and Cellular Endocrinology. 349(2):138-144



499	Chui A, Murthi P, Brennecke SP, Ignjatovic V, Monagle PT, Said JM. (2012) The expression of placental proteoglycans in pre-eclampsia. <i>Gynecologic and Obstetric Investigation</i> . 73 (4):277-284
498	Chui A, Tay C, Cocquebert M, Sheehan P, Pathirage NA, Donath S, Fournier T, Badet J, Evain-Brion D, Brennecke SP, Kalionis B, Murthi P. (2012) Homeobox gene Distal-less 3 is a regulator of villous cytotrophoblast differentiation and its expression is increased in human idiopathic foetal growth restriction. <i>Journal of Molecular Medicine</i> .90(3):273-84
497	Chui A, Zainudden N, Rajaraman G, Murthi P, Stevenson J, Ignjatovic V, Monagle PT, Brennecke SP, Said JM. (2012) Placental syndecan expression is altered in human idiopathic fetal growth restriction. <i>American Journal of Pathology</i> . 180(2):693-702
496	Cocquebert M, Berndt S, Segond N, Guibourdenche J, Murthi P, Aldaz-Carroll L, Evain-Brion D, Fournier T. (2012) Comparative expression of hCGb genes in trophoblast cells isolated from early and late first-trimester pregnancies. <i>Am J Physiol Endocrinol Metab</i> 303(8):E950-8
495	Costley P (nee Ulbrick), East C. (2012) Oxytocin augmentation of labour in women with epidural analgesia for reducing operative deliveries. <i>Cochrane Database of Systematic Reviews</i> . CD009241.pub2
494	Crawford KE, Kalions B, Stevenson JL, Brennecke SP, Gude NM. (2012) Calreticulin has opposing effects on the migration of human trophoblast and myometrial endothelial cells. <i>Placenta</i> . 33(5): 416-423
493	Dewan SK, Zheng SB, Xia SJ, Kalionis B. (2012) Senescent remodeling of the immune system in the elderly and infectious diseases (Review). <i>Chinese Medical Journal</i> . 125(18):3325-3331
492	East CE, Begg L, Henshall NE, Marchant PR, Wallace K. (2012) Local cooling for relieving pain from perineal trauma sustained during childbirth. <i>Cochrane Database of Systematic Reviews</i> . 5:CD006304.
491	East CE, Sherburn M, Nagle C, Said J, Forster D. (2012) Perineal pain following childbirth: prevalence, effects on postnatal recovery and analgesia usage. <i>Midwifery</i> . 28(1):93-7
490	Johnson MP, Brennecke SP, East CE...Moses EK. (2012) Genome-wide association scan identifies a risk locus for preeclampsia on 2q14, near the Inhibin, beta B gene. <i>PLoS ONE</i> . 7(3):e33666
489	Johnston S, Said JM. (2012) Perinatal complications associated with maternal asthma during pregnancy. <i>Obstetric Medicine</i> . 5:14-18
488	Lim M...Sheehan P, Hellard ME. (2012) Correlates of Chlamydia trachomatis infection in a primary care sentinel surveillance network. <i>Sexual Health</i> . 9(3):247-253
487	Manuelpillai U, Lourensz D, Vaghjani V, Tchongue J, Lacey D, Tee JY, Murthi P, Chan J, Hodge A, Sievert W. (2012) Human amniotic epithelial cell transplantation induces markers of alternative macrophage activation and reduces established hepatic fibrosis. <i>PLoS One</i> . 7(6):e38631
486	Marco LJ, McCloskey K, Vuillermin PJ, Burgner D, Said J, Ponsonby A. (2012) Cardiovascular Disease Risk in the Offspring of Diabetic Women:The Impact of the Intrauterine Environment. <i>Experimental Diabetes Research</i> . Vol.2012, Article ID 565160, 10 pages doi:10.1155/2012/565160
485	Mockler JC, East CE. Non-pharmacological and non-surgical interventions for managing retained placenta. <i>Cochrane Database of Systematic Reviews</i> 2012, Issue 5. Art. No.: CD009854. DOI: 10.1002/14651858.CD009854.
484	Murray-Davis B, Marion A, Malott A, Reitsma A, Hutton E, E. E. T. C. G. including, Sheehan P and Umstad M. (2012) Women's experiences of participating in the early external cephalic version 2 trial. <i>Birth</i> . 39(1):30-38 DOI: 10.1111/j.1523-536X.2011.00510.x

483	Murthi P, Kalionis B. (2012) Re: Regulation of epithelial-mesenchymal transition by homeobox gene DLX4 in JEG-3 trophoblast cells: a role in preeclampsia. (Letter to the editor) <i>Reproductive Sciences</i> . 19(10):NP1; author reply NP2.
482	Murthi P, Kalionis B, Rajaraman G, Keogh R, Da Silva Costa F. (2012) The role of homeobox genes in the development of placental insufficiency. <i>Fetal Diagnosis and Therapy</i> . 32:225-230
481	Murthi P, Stevenson JL, Money TT, Borg AJ, Brennecke SP, Gude NM. (2012) Placental CLIC3 is increased in fetal growth restriction and pre-eclampsia affected human pregnancies. <i>Placenta</i> . 33(9):741-4.
480	New K, Flint A, Bogossian F, East C, Davies M. (2012) Transferring preterm infants from incubators to open cots at 1600 grams: a multicentre randomised controlled trial. <i>Archives of Diseases in Childhood</i> . 97(2):F88-F92
479	O'Mahoney E, Stewart M, Sampson AJ, East CE, Palma Dias R. (2012) Perinatal outcome of congenital diaphragmatic hernia in an Australian tertiary hospital. <i>ANZJOG</i> . 52:189-194
478	Saffery R, Morley R, Carlin JB, Joo J-H, Ollikainen M, Novakovic B, Andronikos R, Li X, Loke YJ, Carson N, Wallace EM, Umstad MP, Permezel M, Galati JC, Craig JM. (2012) Cohort Profile: The Peri/post-natal epigenetic twins study. <i>International Journal of Epidemiology</i> , 41:55–61
477	Said JM, Higgins JR, Moses EK, Walker SP, Monagle PT, Brennecke SP. (2012) Inherited thrombophilias and adverse pregnancy outcomes: a case-control study in an Australian population. <i>Acta Obstetrica et Gynaecologica Scandinavica</i> . 91(2):250-255
476	Said JM, Tsui R, Higgins JR, Moses EK, Walker SP, Monagle PT, Borg A, Higgins JR, Brennecke SP. (2012) The PAI-1 4G/5G polymorphism is not associated with adverse pregnancy outcomes: a prospective cohort study. <i>Journal of Thrombosis and Haemostasis</i> . 10:881-886
475	Umstad M. (2012) Fetal death of a twin. <i>O&amp;G Magazine</i> . 14(1):41-43
474	Umstad MP, Short RV, Wilson M, Craig JM. (2012) Chimaeric twins: Why monozygosity does not guarantee monozygosity <i>Aust NZ J Obstet Gynaecol</i> . 52 (3):305-307
473	Watson LF, Rayner JA, King J, Jolley D, Forster D. (2012) Intracervical procedures and the risk of subsequent very preterm birth: a case-control study. <i>Acta Obstetrica et Gynecologica Scandinavica</i> . 91(2):204-10
472	Yazbeck R, Dawson P, Rogers N, West C, Keogh R, Wallace D, Polyak S, Nowak K, Burt R, Taylor J, Dunn L, Philp A, Parkinson-Lawrence E. (2012) Indigenous Health: ACTION on Prevention - 50th Annual Australian Society for Medical Research National Scientific Conference. <i>Rural and Remote Health</i> . 12:2256
471	Zentner D, Du Plessis M, Brennecke S, Wong J, Grigg L, Harrap S. (2012) Cardiac function at term in human pregnancy. <i>Pregnancy Hypertension</i> . 2:132-138

## 2011

470	Abad C...Murthi P...Lash GE. (2011). IFPA Meeting 2010 Workshop Report I: Immunology; Ion transport; Epigenetics; Vascular reactivity; Epitheliochorial placentation; Proteomics. <i>Placenta</i> . 32, S81-89
469	Alves J, Alves NG, Alencar Jnr C, Feitosa FE, Costa F. (2011) Term angular pregnancy. Successful expectant management. <i>J Obstet Gynaecol Research</i> . 37(6):641-644
468	Chen, J Z-J, Wong M, Brennecke SP, Keogh, RJ. (2011) The effects of human chorionic gonadotrophin, progesterone and estradiol on trophoblast function. <i>Molecular and Cellular Endocrinology</i> . 342(1-2):73-80

467	Chui A, Evseenko D, Brennecke SP, Keelan JA, Kalionis B, Murthi P. (2011) Homeobox gene DLX3 expression is increased in forskolin mediated villous trophoblast differentiation. <i>Placenta</i> . 32(10):745-751
466	Costa F, Kaganov H, O'Mahony E, Ng J, Fink M, Palma Dias R. (2011) Diagnosis of diaphragmatic hernia with associated congenital lung lesions: contribution of fetal MRI. <i>Fetal Diagnosis and Therapy</i> . 29(1):111-115
465	Costa F da Silva, Lopes L, Brennecke S. (2011) Magnesium sulphate for fetal neuroprotection. <i>Rev Bras Ginecol Obstet</i> . 33(6):265-270
464	Costa F da Silva, Murthi P, Keogh R, Woodrow N. (2011) Early screening for pre-eclampsia. <i>Brazilian Journal of Obstetrics and Gynaecology</i> . 33(11):367-375
463	Costley P (nee Ulbrick), East C. (2011) Oxytocin augmentation of labour in women with epidural analgesia for reducing operative deliveries. (Protocol) <i>Cochrane Database of Systematic Reviews</i> . DOI:10.1002/14651858.CD009241
462	Degrelle SA, Murthi P, Fournier T, Evain-Brion D and Hue I. (2011) Expression and localisation of DLX3, PPAR $\gamma$ and SP1 in bovine trophoblast during binucleated cell differentiation. <i>Placenta</i> . 32:917-920
461	East C, Conway K, Pollock W, Frawley N, Brennecke S, on behalf of AAPEC. (2011) Women's experiences of pre-eclampsia: Australian Action on Pre-eclampsia survey of women and their confidants. <i>Journal of Pregnancy</i> , vol. 2011, Article ID 375653 doi:10.1155/2011/375653.
460	Gerbaud P, Pidoux G, Pathirage NA, Murthi P, Evain-Brion D. (2011) Mesenchymal Activin-A overcomes defective human trisomy 21 trophoblast fusion. <i>Endocrinology</i> . 152(12):5017-5028
459	Hugo HJ, Kokkinos MI, Blick T, Ackland ML, Thompson EW, Newgreen DF. (2011) Defining the E-cadherin repressor interactome in Epithelial-Mesenchymal Transition - The PMC42 model as a case study. <i>Cells, Tissues and Organs</i> . 193:23-40
458	Hutton EK, Hannah ME, Ross SJ, Delisle M-F, Carson GD, Windrim R, Ohlsson A, Willan AR, Gafni A, Sylvestre G, Natale R, Barrett Y, Pollard JK, Dunn MS, Turtle P for the Early ECV2 Trial Collaborative Group* (Sheehan P) (2011) The Early External Cephalic Version (ECV) 2 Trial: an international multicentre randomised controlled trial of timing of ECV for breech pregnancies. <i>BJOG</i> 118, 5 564-577
457	Murthi P, Rajaraman G, Brennecke SP, Kalionis B. (2011) Homeobox genes in human fetal growth restriction. <i>Journal of Pregnancy</i> . Article ID 548171, 11 pages doi:10.1155/2011/548171
456	Neto FA, Palma-Dia R, Costa F. (2011) Ultrasonography of adnexal masses: imaging findings. <i>Radiol Bas</i> . 44(1):59-67
455	Pratama G, Vaghjiani V, Yang Tee J, Liu Y, Chan J, Tan C, Murthi P, Gargett C, Manuelpillai U. (2011) Changes in culture expanded human amniotic epithelial cells: Implications for potential therapeutic applications. <i>PLoS ONE</i> . 6(11):e26136
454	Rozen G, Ugoni AM, Sheehan PM. (2011) A new perspective on VBAC: A retrospective cohort study. <i>Women Birth</i> . 24(1):3-9
453	Said JM (2011) The role of proteoglycans in contributing to placental thrombosis and fetal growth restriction. (Review). <i>Journal of Pregnancy</i> (Article ID 928381)
452	Said JM. (2011) The impact of inherited thrombophilia on placental haemostasis and adverse pregnancy outcomes. <i>Thrombophilia</i> (Book Chapter). Publisher: InTech Editor A. Tranquili. pages 121-142
451	Xia S, Tai X, Wang Y, An X, Qian G, Dong J, Wang X, Sha B, Murthi P, Kalionis B, Wang X, Bai C. (2011) Involvement of Gax gene in hypoxia-induced pulmonary hypertension and proliferation and apoptosis of arterial smooth muscle cells via ERK 1/2/MEK pathway. <i>American Journal of Respiratory Cell and Molecular Biology</i> . 44(1):66-73

