

**Curriculum Vitae**  
**November 2015**

**Dr Asma Khalil** MB BCh, MD(res), MRCOG, MSc(Epid)

**Consultant in Obstetrics and Gynaecology**

**Maternal Fetal Medicine Subspecialist**

## 1. PERSONAL DETAILS

**Name:** Asma Khalil

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**GMC registration:** 6093185

**RCOG registration:** 137326

## 2. QUALIFICATIONS

**Qualifications:** MB BCh, MD(res), MRCOG, MSc(Epid), DFFP, Dip(GUM)

**Postgraduate Qualifications:**

2006	DFFP (Faculty of Sexual and Reproductive Healthcare)
2006	Diploma in GUM (Society of Apothecaries)
2007	Diploma in Advanced Obstetric Ultrasound (RCOG/RCR)
2008	MRCOG (Royal College of Obstetricians and Gynaecologists)
2009	MD(res) (University of London, UK)
2012	MSc in Epidemiology (LSHTM)
2015	Cardiff University Law School Bond Solon Expert Certificate

### **3. CURRENT POST**

#### **Current post/positions**

Consultant/Honorary Senior Lecturer in Fetal Medicine and Obstetrics

Lead of the Multiple Pregnancy service at St George's Hospital

St George's University Hospital NHS Foundation Trust

University of London

#### **2013:**

NICE Fellow 2013-2015

Member of the National Clinical Reference Group for Complex Obstetrics

Lead for the Improving outcome working group in the South West London Maternity Network

### **4. ACADEMIC ACTIVITIES**

- Published more than 80 peer-review papers of original research in Scientific Journals
- Section Editor for the journal Biomedical Central Pregnancy and Childbirth
- Reviewing for Scientific Journals, e.g. Obstetrics & Gynecology, Circulation, Ultrasound in Obstetrics and Gynecology, British Journal of Obstetrics and Gynaecology, PLOS ONE
- Reviewing for Grant Funding Organisations, e.g. Wellbeing Of Women, Health and Social Care (HSC) Public Health Agency (PHA) Research and Development, Northern Ireland Chest Heart Stroke Association and National Institute for Health Research
- Co-author of more than 10 book chapters and review articles
- Oral presentations/Invited speaker (more than 50) in both international and national conferences, e.g. ISSHP, ISUOG, SGI, World Congress of Fetal Medicine, BMFMS
- Assistant Convenor for the MRCOG Part1 course, RCOG
- Co-organiser of national educational meetings, e.g. Multiple Pregnancy (RCOG)
- Organiser of regional educational meetings, Basic practical ultrasound programme, management of multiple pregnancy

- Principal Investigator at St George's Hospital for several NIHR funded studies, e.g. Non-invasive Prenatal Testing (NIPT)
- Founder of the first UK national registry of complicated multiple pregnancies

### **Experience in national and international guideline development**

- ISUOG clinical standard on the management of twin pregnancy
- NICE guideline development committee
- NICE quality Standards committee

## **5. EDUCATION AND TRAINING**

- Convenor for UK national educational courses held at the RCOG:
  - MRCOG Part1
  - Multiple Pregnancy
  - Cardiac disease in pregnancy
  - Psychiatric disorders in pregnancy
  - Organiser of UK regional (South West London) training and educational courses:
    - Practical obstetric ultrasound programme
    - Management of multiple pregnancy
- Organiser of training and educational courses in developing countries:
  - Basic obstetric ultrasound, Alexandria, Egypt. 15-16 June 2013; 11-12 January 2014; 07-08 February 2015
  - Management of obstetric emergencies workshop, Mumbai, India. 16-17 August 2014

## **6. AWARDS**

17 including:

- Young Investigator Travel Award, ISSHP, Washington DC, 2008
- Harold Malkin Research Prize, RCOG, 2009
- Best Oral Communication, ISUOG, Montreal 2015

## **7. COMMITTEE MEMBERSHIP**

- National Clinical Reference Groups (CRG) for Fetal Medicine
- South West London Maternity and Neonatal Network
- NICE Clinical Guidelines Update Committee
- Editorial Board of Biomedical Central Pregnancy and Childbirth
- Maternal and Fetal Medicine National Clinical Study Group
- NICE Quality Standard Committee
- Health Technologies Adoption Programme Reference Panel
- Royal College of Obstetricians and Gynaecologists (RCOG) Scientific Advisory Committee
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## **8. RECENT GRANTS**

- National Institute for Health Research (NIHR) Health Technology Assessment (HTA): £817,033.00. Quantitative Fibronectin to help Decision-making in women with Symptoms of Preterm Labour (QUIDS) (14/32/01)
- National Institute for Health Research (NIHR) Health Technology Assessment (HTA): £418,000 (starting December 2015). Accuracy of clinical characteristics, biochemical and ultrasound markers in the prediction of pre-eclampsia: an Individual Patient Data (IPD) Meta-analysis (14/158/02)

## **9. SOCIETY MEMBERSHIP**

- International Society of Ultrasound in Obstetrics & Gynecology (ISUOG)
- Society of Reproductive Investigation (SRI)
- British Maternal and Fetal Medicine Society (BMFMS)
- Royal Society of Medicine (RSM)
- British Medical Association (BMA)
- International Society for the Study of Hypertension in Pregnancy (ISSHP)

## 10. MENTORSHIP

- MSc in prenatal genetics and fetal medicine, University College London (UCL) 2010-2011
- Medical students projects at UCL 2011: Institute for Women's Health (IFWH) meeting 2012 "medical student best abstract prize"
- Medical students projects at St George's, University of London 2012-: "medical student best surgical case prize"
- Medical students projects as part of collaboration between xx University in Norway and St George's, University of London 2013/14: best platform poster at the British Maternal Fetal Medicine Society meeting April 2015; best oral presentation at the International meeting on maternal haemodynamics in Hasselt, Belgium 2014

## 11. PEER-REVIEWED PUBLICATIONS (more than 80)

1. **Khalil A**, Rodgers M, Baschat A, Bhide A, Gratacos E, Hecher K, Kilby MD, Lewi L, Nicolaidis K, Oepkes D, Reed K, Raine-Fenning N, Salomon LJ, Sotiradis A, Thilaganathan B, Ville Y; ISUOG Clinical Standards Committee. ISUOG Practice Guidelines: The Role of Ultrasound in Twin Pregnancy. *Ultrasound Obstet Gynecol*. 2015 Nov 18. doi: 10.1002/uog.15821. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/26577371>
2. Morales-Roselló J, **Khalil A**. Fetal cerebral redistribution: a marker of compromise regardless of fetal size. *Ultrasound Obstet Gynecol* 2015;46:385-8. <http://www.ncbi.nlm.nih.gov/pubmed/26224656>
3. Scala C, Bhide A, Familiari A, Pagani G, **Khalil A**, Papageorghiou A, Thilaganathan B. Number of episodes of reduced fetal movement at term: association with adverse perinatal outcome. *Am J Obstet Gynecol*. 2015 Jul 20. pii: S0002-9378(15)00751-6. doi: 10.1016/j.ajog.2015.07.015. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/26205461>
4. D'Antonio F, **Khalil A**, Garel C, Pilu G, Rizzo G, Lerman-Sagie T, Bhide A, Thilaganathan B, Manzoli L, Papageorghiou AT. Systematic review and meta-analysis of isolated posterior fossa malformations on prenatal imaging (part 2): neurodevelopmental outcome. *Ultrasound Obstet Gynecol*. 2015 Sep 23. doi:

10.1002/uog.15755. [Epub ahead of print] Review.  
<http://www.ncbi.nlm.nih.gov/pubmed/26394557>

5. **Khalil A**, Morales-Roselló J, Thilaganathan B. Re: Differential effect of intrauterine growth restriction on childhood neurodevelopment: a systematic review. *BJOG* 2015;122:1850. <http://www.ncbi.nlm.nih.gov/pubmed/26589866>
6. Familiari A, Bhide A, Morlando M, Scala C, **Khalil A**, Thilaganathan B. Mid-pregnancy fetal biometry, uterine artery Doppler indices and maternal demographic characteristics: role in prediction of small-for-gestational-age birth. *Acta Obstet Gynecol Scand.* 2015 Oct 15. doi: 10.1111/aogs.12804. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/26472057>
7. **Khalil A**, Morales-Rosello J, Townsend R, Morlando M, Papageorghiou A, Bhide A, Thilaganathan B. Are fetal cerebroplacental ratio and impaired placental perfusion recorded in the third trimester predictors of stillbirth and perinatal loss? *Ultrasound Obstet Gynecol.* 2015 Aug 20. doi: 10.1002/uog.15729. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/26327300>
8. **Khalil AA**, Morales-Rosello J, Elsadigg M, Khan N, Papageorghiou A, Bhide A, Thilaganathan B. The association between fetal Doppler and admission to neonatal unit at term. *Am J Obstet Gynecol* 2015; 213:57.e1-7 <http://www.ncbi.nlm.nih.gov/pubmed/25447961>
9. **Khalil AA**, Morales-Rosello J, Morlando M, Hannan H, Bhide A, Papageorghiou A, Thilaganathan B. Is fetal cerebroplacental ratio an independent predictor of intrapartum fetal compromise and neonatal unit admission? *Am J Obstet Gynecol* 2015;213:54.e1-10 <http://www.ncbi.nlm.nih.gov/pubmed/25446667>
10. **Khalil A**, Maiz N, Garcia-Mandujano R, Penco JM, Nicolaides KH. Longitudinal changes in maternal serum placental growth factor and soluble fms-like tyrosine kinase-1 in women at increased risk of preeclampsia. *Ultrasound Obstet Gynecol.* 2015 Sep 21. doi: 10.1002/uog.15750. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/26387758>
11. **Khalil A**, Chaoui R, Lebek H, Esser T, Entezami M, Toms J, Thilaganathan B. Widening of the femoral diaphysis-metaphysis angle at 20-24 weeks: a marker for the detection of achondroplasia prior to the onset of skeletal shortening. *Am J Obstet Gynecol* 2015 Oct 9. pii: S0002-9378(15)01203-X. <http://www.ncbi.nlm.nih.gov/pubmed/26450406>
12. Morales-Roselló J, **Khalil A**, Salvi S, Townsend R, Premakumar Y, Perales-Marín A. Abnormal Middle Cerebral Artery Doppler Associates with Spontaneous Preterm Birth in Normally Grown Fetuses. *Fetal Diagn Ther.* 2015 Nov 18. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/26575261>
13. D'Antonio F, Thilaganathan B, Toms J, Manzoli L, Bhide A, Papageorghiou A, **Khalil A**. Perinatal outcome after fetoscopic laser surgery for twin-to-twin

transfusion syndrome in triplet pregnancies: systematic review. *BJOG*. 2015 Aug 11. doi: 10.1111/1471-0528.13553. [Epub ahead of print]  
<http://www.ncbi.nlm.nih.gov/pubmed/26265264>

14. Bhide A, Sankaran S, Moore J, **Khalil A**, Furneaux E. Ambulatory blood pressure measurements in mid-pregnancy and development of hypertensive pregnancy disorders. *Hypertens Pregnancy* 2014;33:159-67.  
<http://www.ncbi.nlm.nih.gov/pubmed/24304043>
15. Virgone C, D'antonio F, **Khalil A**, Jonh R, Manzoli L, Giuliani S. Accuracy of prenatal ultrasound in detecting jejunal and ileal atresia: systematic review and meta-analysis. *Ultrasound Obstet Gynecol* 2015;45:523-9.  
<http://www.ncbi.nlm.nih.gov/pubmed/25157626>
16. **Khalil A**, Nicolaidis KH. Fetal heart defects: potential and pitfalls of first-trimester detection. *Semin Fetal Neonatal Med* 2013;18:251-60.  
<http://www.ncbi.nlm.nih.gov/pubmed/23751926>
17. **Khalil A**, Nicolaidis KH. How to record uterine artery Doppler in the first trimester. *Ultrasound Obstet Gynecol* 2013;42:478-9.  
<http://www.ncbi.nlm.nih.gov/pubmed/23658028>
18. **Khalil A**, Maiz N, Garcia-Mandujano R, Elkhoul M, Nicolaidis KH. Longitudinal changes in maternal soluble endoglin and angiopoietin-2 in women at risk for pre-eclampsia. *Ultrasound Obstet Gynecol* 2014;44:402-10.  
<http://www.ncbi.nlm.nih.gov/pubmed/24913462>
19. **Khalil A**, Maiz N, Garcia-Mandujano R, Elkhoul M, Nicolaidis KH. Longitudinal changes in maternal corin and mid-regional proatrial natriuretic peptide in women at risk of pre-eclampsia. *Ultrasound Obstet Gynecol* 2015;45:190-8.  
<http://www.ncbi.nlm.nih.gov/pubmed/25296530>
20. Morales-Roselló J, Hervás-Marín D, Stirrup O, Perales-Marín A, **Khalil A**. International standards for fetal growth: relevance of the advances in ultrasound technology. *Ultrasound Obstet Gynecol*. 2015 Apr 11. doi: 10.1002/uog.14875. [Epub ahead of print]  
<http://www.ncbi.nlm.nih.gov/pubmed/25865504>
21. Morales-Roselló J, **Khalil A**, Morlando M, Hervás-Marín D, Perales-Marín A. Doppler reference values of the fetal vertebral and middle cerebral arteries, at 19-41 weeks gestation. *J Matern Fetal Neonatal Med* 2015;28:338-43.  
<http://www.ncbi.nlm.nih.gov/pubmed/24749804>
22. Morales-Roselló J, **Khalil A**, Perales-Marín A. Fetal tricuspid annulus plane systolic excursion (fTAPSE) at term. Association with cerebroplacental ratio, birth weight and neonatal pH. *J Matern Fetal Neonatal Med* 2015:1-21.

<http://www.ncbi.nlm.nih.gov/pubmed/26135760>

23. D'Antonio F, Virgone C, Rizzo G, **Khalil A**, Baud D, Cohen-Overbeek TE, Kuleva M, Salomon LJ, Flacco ME, Manzoli L, Giuliani S. Prenatal Risk Factors and Outcomes in Gastroschisis: A Meta-Analysis. *Pediatrics* 2015;136:e159  
<http://www.ncbi.nlm.nih.gov/pubmed/26122809>
24. Griffin M, Seed PT, Webster L, Myers J, Mackillop L, Simpson N, Anumba D, **Khalil A**, Denbow M, Sau A, Hinshaw K, Von Dadelszen P, Benton S, Girling J, Redman CW, Chappell LC, Shennan AH. Diagnostic accuracy of placental growth factor and ultrasound parameters to predict the small-for-gestational-age infant in women presenting with reduced symphysis-fundus height. *Ultrasound Obstet Gynecol.* 2015 Mar 31. doi: 10.1002/uog.14860. [Epub ahead of print]  
<http://www.ncbi.nlm.nih.gov/pubmed/25826778>
25. Thilaganathan B, **Khalil A**, Melchiorre K. Re: Maternal obesity and excess of fetal growth in pre-eclampsia. *BJOG* 2015;122:592-3.  
<http://www.ncbi.nlm.nih.gov/pubmed/25702557>
26. Morlando M, Ferrara L, D'Antonio F, Lawin-O'Brien A, Sankaran S, Pasupathy D, **Khalil A**, Papageorghiou A, Kyle P, Lees C, Thilaganathan B, Bhide A. Dichorionic triplet pregnancies: risk of miscarriage and severe preterm delivery with fetal reduction versus expectant management. Outcomes of a cohort study and systematic review. *BJOG* 2015;122:1053-60.  
<http://www.ncbi.nlm.nih.gov/pubmed/25851612>
27. **Khalil A**, Mahmoodian N, Kulkarni A, Homfray T, Papageorghiou A, Bhide A, Thilaganathan B. Estimation of Detection Rates of Aneuploidy in High-Risk Pregnancy Using an Approach Based on Nuchal Translucency and Non-Invasive Prenatal Testing: A Cohort Study. *Fetal Diagn Ther.* 2015 Apr 30. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/25925597>
28. D'Antonio F, **Khalil A**, Garel C, Pilu G, Rizzo G, Lerman-Sagie T, Bhide A, Thilaganathan B, Manzoli L, Papageorghiou AT. Systematic review and meta-analysis of isolated posterior fossa malformations on prenatal ultrasound: nomenclature, diagnostic accuracy and associated anomalies. *Ultrasound Obstet Gynecol.* 2015 May 13. doi: 10.1002/uog.14900. [Epub ahead of print]  
<http://www.ncbi.nlm.nih.gov/pubmed/25970099>
29. John R, D'Antonio F, **Khalil A**, Bradley S, Giuliani S. Diagnostic Accuracy of Prenatal Ultrasound in Identifying Jejunal and Ileal Atresia. *Fetal Diagn Ther.* 2015 Jan 21. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/25613369>
30. **Khalil AA**, Khan N, Bowe S, Familiari A, Papageorghiou A, Bhide A, Thilaganathan B. Discordance in fetal biometry and doppler are independent predictors of the risk of perinatal loss in twin pregnancies. *Am J Obstet Gynecol.* 2015 Feb 27. pii: S0002-9378(15)00160-X. doi: 10.1016/j.ajog.2015.02.024. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/25731693>

31. Thilaganathan B, **Khalil A**, Melchiorre K. Re: Maternal obesity and excess of fetal growth in pre-eclampsia. *BJOG* 2015;122:592-3. <http://www.ncbi.nlm.nih.gov/pubmed/25702557>
32. D'Antonio F, **Khalil A**, Morlando M, Thilaganathan B. Accuracy of Predicting Fetal Loss in Twin Pregnancies Using Gestational Age-Dependent Weight Discordance Cut-Offs: Analysis of the STORK Multiple Pregnancy Cohort. *Fetal Diagn Ther* 2015;38:22-8. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/25660975>
33. Morales-Roselló J, **Khalil A**, Alberola-Rubio J, Hervas-Marín D, Morlando M, Bhide A, Papageorghiou A, Perales-Marín A, Thilaganathan B. Neonatal Acid-Base Status in Term Fetuses: Mathematical Models Investigating Cerebroplacental Ratio and Birth Weight. *Fetal Diagn Ther* 2015;38:55-60. [Epub ahead of print] <http://www.ncbi.nlm.nih.gov/pubmed/25660123>
34. Morales-Roselló J, **Khalil A**, Morlando M, Bhide A, Papageorghiou A, Thilaganathan B. Poor neonatal acid-base status in term fetuses with low cerebroplacental ratio. *Ultrasound Obstet Gynecol* 2015;45:156-61. <http://www.ncbi.nlm.nih.gov/pubmed/25123254>
35. Stirrup OT, **Khalil A**, D'Antonio F, Thilaganathan B; Southwest Thames Obstetric Research Collaborative (STORK); Southwest Thames Obstetric Research Collaborative STORK. Fetal growth reference ranges in twin pregnancy: analysis of the Southwest Thames Obstetric Research Collaborative (STORK) multiple pregnancy cohort. *Ultrasound Obstet Gynecol*;45:301-7. <http://www.ncbi.nlm.nih.gov/pubmed/25052857>
36. Pagani G, D'Antonio F, **Khalil A**, Papageorghiou A, Bhide A, Thilaganathan B. Association between reduced fetal movements at term and first trimester markers of impaired placental development. *Placenta* 2014;35:606-10. <http://www.ncbi.nlm.nih.gov/pubmed/24951173>
37. **Khalil A**, Morales-Roselló J, Morlando M, Bhide A, Papageorghiou A, Thilaganathan B. Widenning Of The Fetal Femoral Proximal Diaphyseal-Metaphyseal Angle: A New Ultrasound Finding In Achondroplasia. *Ultrasound Obstet Gynecol* 2014;44:69-75. <http://www.ncbi.nlm.nih.gov/pubmed/24623391>
38. D'Antonio F, **Khalil A**, Pagani G, Papageorghiou AT, Bhide A, Thilaganathan B. Crown Rump Length Discordance And Adverse Perinatal Outcome in Twin Pregnancies: Systematic Review And Meta-analysis. *Ultrasound Obstet Gynecol* 2014;44:138-46. <http://www.ncbi.nlm.nih.gov/pubmed/24585501>
39. Morales-Roselló J, **Khalil A**, Morlando M, Papageorghiou A, Bhide A, Thilaganathan B. Changes in fetal Doppler indices as a marker of failure to reach growth potential at term. *Ultrasound Obstet Gynecol* 2014;43:303-310. <http://www.ncbi.nlm.nih.gov/pubmed/24488879>
40. Verlohren S, Melchiorre K, **Khalil A**, Thilaganathan B. Uterine artery Doppler, birthweight and timing of preeclampsia onset: providing insights into the dual

- etiology of late-onset preeclampsia. *Ultrasound Obstet Gynecol* 2014;44:293-8. <http://www.ncbi.nlm.nih.gov/pubmed/24448891>
41. **Khalil A**, D'Antonio F, Dias T, Cooper D, Thilaganathan B. Ultrasound Estimation of Birthweight in Twin Pregnancy: Comparison of Biometry Algorithms in the STORK Multiple Pregnancy Cohort. *Ultrasound Obstet Gynecol* 2014;44:210-20. <http://www.ncbi.nlm.nih.gov/pubmed/24311473>
  42. D'Antonio F, **Khalil A**, Thilaganathan B; Southwest Thames Obstetric Research Collaborative (STORK). Second-trimester discordance and adverse perinatal outcome in twins: the STORK multiple pregnancy cohort. *BJOG* 2014;121:422-429. <http://www.ncbi.nlm.nih.gov/pubmed/24308510>
  43. Iacovella C, Chandrasekaran N, **Khalil A**, Bhide A, Papageorghiou A, Thilaganathan B. Fetal And Placental Vascular Tumors: Persistent Fetal Hyperdynamic Status Predisposes To Poorer Long Term Neurodevelopmental Outcome. *Ultrasound Obstet Gynecol* 2014;43:658-61. <http://www.ncbi.nlm.nih.gov/pubmed/24307134>
  44. **Khalil A**, Papageorghiou A, Bhide A, Akolekar R, Thilaganathan B. Biparietal diameter at 11 to 13 weeks' gestation in fetuses with holoprosencephaly. *Prenat Diagn* 2014;34:134-8. <http://www.ncbi.nlm.nih.gov/pubmed/24293286>
  45. Pagani G, D'Antonio F, **Khalil A**, Akolekar R, Papageorghiou A, Bhide A, Thilaganathan B. Association between reduced fetal movements at term and abnormal uterine artery Doppler indices. *Ultrasound Obstet Gynecol* 2014;43:548-52. <http://www.ncbi.nlm.nih.gov/pubmed/24123633>
  46. **Khalil A**, Caric V, Papageorghiou A, Bhide A, Akolekar R, Thilaganathan B. Prenatal prediction of need for ventriculoperitoneal shunt in open spina bifida. *Ultrasound Obstet Gynecol* 2014;43:159-164. <http://www.ncbi.nlm.nih.gov/pubmed/24006252>
  47. **Khalil A**, Cooke PC, Mantovani E, Bhide A, Papageorghiou AT, Thilaganathan B. Outcome Of First Trimester Fetal Abdominal Cysts: A Cohort Study And Review Of The Literature. *Ultrasound Obstet Gynecol* 2014;43:413-9. <http://www.ncbi.nlm.nih.gov/pubmed/23828440>
  48. Chitty LS, **Khalil A**, Barrett AN, Pajkrt E, Griffin DR, Cole TJ. Safe, accurate, prenatal diagnosis of thanatophoric dysplasia using ultrasound and free fetal DNA. *Prenat Diagn* 2013;33:416-423. <http://www.ncbi.nlm.nih.gov/pubmed/23408600>
  49. **Khalil A**, Suff N, Thilaganathan B, Hurrell A, Cooper D, Carvalho JS. Brain Abnormalities and Neurodevelopmental Delay in Congenital Heart Disease: Systematic Review and Meta-analysis. *Ultrasound Obstet Gynecol* 2013;43:14-24. <http://www.ncbi.nlm.nih.gov/pubmed/23737029>
  50. Spencer K, **Khalil A**, Brown L, Mills I, Horne H. First trimester maternal serum alpha-fetoprotein is not raised in pregnancies with open spina bifida. *Prenat Diagn* 2014;34:168-71. <http://www.ncbi.nlm.nih.gov/pubmed/24226839>

51. **Khalil A**, Garcia-Mandujano R, Maiz N, Elkhoul M, Nicolaidis KH. Longitudinal changes in maternal hemodynamics in a population at risk for pre-eclampsia. *Ultrasound Obstet Gynecol* 2014;44:197-204. <http://www.ncbi.nlm.nih.gov/pubmed/24652784>
52. **Khalil A**, Garcia-Mandujano R, Maiz N, Elkhoul M, Nicolaidis KH. Longitudinal changes in uterine artery Doppler and blood pressure and the risk of pre-eclampsia. *Ultrasound Obstet Gynecol* 2014;43:541-7. <http://www.ncbi.nlm.nih.gov/pubmed/24265180>
53. D'Antonio F, **Khalil A**, Mantovani E, Thilaganathan B; Southwest Thames Obstetric Research Collaborative. Embryonic growth discordance and early fetal loss: the STORK multiple pregnancy cohort and systematic review. *Hum Reprod* 2013;28:2621-2627. <http://www.ncbi.nlm.nih.gov/pubmed/23847112>
54. Pagani G, D'Antonio F, **Khalil A**, Papageorghiou A, Bhide A, Thilaganathan B. Intrafetal Laser Treatment For Twin Reversed Arterial Perfusion Sequence: A Cohort Study And Meta-Analysis. *Ultrasound Obstet Gynecol* 2013;42:6-14. <http://www.ncbi.nlm.nih.gov/pubmed/23640771>
55. D'Antonio F, Rijo C, Thilaganathan B, Akolekar R, **Khalil A**, Papageourgiou A, Bhide A. Association between first trimester maternal serum pregnancy associated plasma protein-a and obstetric complications. *Prenat Diagn* 2013;33:839-847. <http://www.ncbi.nlm.nih.gov/pubmed/23613261>
56. D'Antonio F, **Khalil A**, Dias T, Thilaganathan B; the Southwest Thames Obstetric Research Collaborative (STORK). Crown-rump length discordance and adverse perinatal outcome in twins: analysis of the Southwest Thames Obstetric Research Collaborative (STORK) multiple pregnancy cohort. *Ultrasound Obstet Gynecol* 2013;41:621-626. <http://www.ncbi.nlm.nih.gov/pubmed/23408454>
57. **Khalil A**, Coates A, Papageorghiou A, Bhide A, Thilaganathan B. Biparietal diameter at 11-13 weeks' gestation in fetuses with open spina bifida. *Ultrasound Obstet Gynecol* 2013;42:409-415 <http://www.ncbi.nlm.nih.gov/pubmed/23362051>
58. D'Antonio F, **Khalil A**, Dias T, Thilaganathan B; the Southwest Thames Obstetric Research Collaborative (STORK). Weight discordance and perinatal mortality in twins: analysis of the Southwest Thames Obstetric Research Collaborative (STORK) multiple pregnancy cohort. *Ultrasound Obstet Gynecol* 2013;41:643-648. <http://www.ncbi.nlm.nih.gov/pubmed/23355123>
59. D'Antonio F, **Khalil A**, Dias T, Thilaganathan B; the Southwest Thames Obstetric Research Collaborative (STORK). Early fetal loss in monochorionic and dichorionic twin pregnancies: analysis of the Southwest Thames Obstetric Research Collaborative

- (STORK) multiple pregnancy cohort. *Ultrasound Obstet Gynecol* 2012;41:632-636. <http://www.ncbi.nlm.nih.gov/pubmed/23208731>
60. **Khalil A**, Syngelaki A, Maiz N, Zinevich Y, Nicolaides KH. Maternal age and adverse pregnancy outcomes: a cohort study. *Ultrasound Obstet Gynecol* 2013;42:634-643. <http://www.ncbi.nlm.nih.gov/pubmed/23630102>
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