

CURRICULUM VITAE

PERSONAL DETAILS

Surname: **AQUILINA**

Christian Name: **Joseph**

Date of Birth: 4th May 1963

QUALIFICATIONS

1987 *MD University of Malta*

1994 *MRCOG*

1995 *MFFP*

2007 *FRCOG*

2012 *Member of Federation of Expert Witnesses*

CURRENT APPOINTMENT

Oct 2000 - **Consultant Obstetrician & Gynaecologist with an interest in Feto-Maternal Medicine/Gynae Ultrasound**
Lead Clinician Fetal Medicine Clinical Academic Group
Bart's Health NHS Trust & Honorary Senior Lecturer Queen Mary University of London

Medico-legal Experience

- I am a GMC accredited expert witness
- I have been doing regular medico-legal work for last 8 years with an average of 4 cases per month
- I have been an expert witness in four coroner's cases in the last 10 years involving perinatal deaths.
- I have extensive clinical governance experience with management of gynaecology SUI's in my role as chair person for the last 10 years of the Gynaecology Governance Board at St. John and St. Elizabeth hospital. I am a past member of the Hospital Governance Board.
- I am the MAC representative for Gynaecology at London Independent Hospital responsible to investigate all gynaecology SUI's

May 2020

PUBLICATIONS

1. Lees C., Kelleher C., **Aquilina J.**, Lawton F. (1994) Primary Malignant Tumours of the Fallopian Tube. *Oncol (Life Sci Adv.)* 1994, 13: 141 - 151.
2. Armstrong V, Harrington K, **Aquilina J**, Freeman J, Campbell S. Fetal Sexing by Ultrasound in the Second Trimester: Maternal preference and professional ability. *Ultrasound Obstet Gynaecol*, 8 (1996). 318-321.
3. **Aquilina J**, Harrington K. Pregnancy Hypertension and Uterine Artery Doppler Ultrasound. *Current Opinion in Obstetrics & Gynaecology* 1996, 8:435-440.
4. Harrington K, **Aquilina J**. Prediction of Pre-eclampsia with Doppler and its management with aspirin. *Contemp. Rev. Obstet. Gynaecol.* 1996, 8: 204-208.
5. Harrington K, **Aquilina J**, Thompson O. Prediction of pre-eclampsia, RCOG Yearbook, Volume 5,1997.
6. Harrington K, **Aquilina J**, Thompson O. Doppler ultrasound of the utero-placental circulation - physiological changes in pregnancy. *Textbook of Perinatal Medicine* 1998 Volume I; 4: 422-426.
7. **Aquilina J**, Thompson O, Harrington K. Doppler ultrasound of the utero-placental circulation - the prediction of pre-eclampsia and intrauterine growth retardation. *Textbook of Perinatal Medicine* 1998 Volume I; 4: 427-432.
8. Kurdi W, Campbell S, **Aquilina J**, England P, Harrington K. The role of color Doppler imaging of the uterine arteries at 20 weeks gestation in stratifying antenatal care. *Ultrasound Obstet Gynaecol November* 1998; 12:339-345.
9. **Aquilina J**, Barnett A, Thompson O, Harrington K. (1999) Second trimester maternal serum inhibin-A as an early marker for pre-eclampsia. *Am J Obstet Gynaecol*, **181**, 131-6.
10. Harrington K, **Aquilina J**, Kurdi W, England P, Campbell S (2000). The use of slow-release aspirin in the palliation of uteroplacental insufficiency identified by uterine Doppler. *Ultrasound Obstet Gynaecol*; **15**: 13-18. .
11. **Aquilina J**, Maplethorpe R, Ellis P, Harrington K (2000). Correlation between second trimester maternal serum inhibin-A and human chorionic gonadotrophin for the prediction of pre-eclampsia. *Placenta* **21**; 487-492.
12. **Aquilina J**, Harrington K, Barnett A, Thompson O. Comprehensive analysis of uterine artery flow velocity waveforms at 20 week's gestation for the prediction of pre-eclampsia. *Ultrasound Obstet Gynecol* 2000; **16**: 163-170.

13. **Aquilina J**, Thompson O, Thilaganathan B, Harrington K. Improved early prediction of pre-eclampsia by combining second trimester maternal serum inhibin-A and uterine artery Dopplers. *Ultrasound in Obstet Gynecol* 2001; 17: 477-484
14. Thomson MO, Vines SK, **Aquilina J**, Wathen NC, Harrington K. Are placental lakes of any clinical significance ? *Placenta* 2002, 23, 685-690.
15. Garg M, Hudeyin S, **Aquilina J**. Silent massive haemoperitoneum during labour secondary to a spontaneous rupture of a utero-ovarian vessel. *Journal of Obstetrics and Gynaecology* 2003, 15, 208.
16. Harrington K, Fayyad A, Thakur V, **Aquilina J**. The value of uterine artery Doppler in the prediction of uteroplacental complication in multiparous women. *Ultrasound Obstet Gynecol* 2004; 23, 50-55.
17. M. O. Thompson, **J. Aquilina**, K. Harrington Does maternal calcium supplementation affect fetal blood flow? *Ultrasound in Obstetrics & Gynecology* 2007; 30(4):527-527.
18. Talukder, Y S. Kafatos, G. Pinot de Moira, A. **Aquilina, J**. Parker, S P. Crowcroft, N S. Brown, D W G. Breuer, J. The seroepidemiology of varicella zoster virus among pregnant Bangladeshi and white British women in the London Borough of Tower Hamlets, UK. *Epidemiology & Infection*. 135(8):1344-53, 2007 Nov.
19. Perinatal outcome of fetuses with single umbilical artery in 31 474 unselected patients. Taher S, Savage M, **Aquilina J**. *Ultrasound in Obstetrics and Gynecology* 09/2007; 30(4):554 – 555.
20. S. Saleh, A. Antoniou, K. Harrington, and **J. Aquilina**. Second Trimester Maternal Serum Cystatin C Levels in Preeclamptic and Normotensive Pregnancies: A Small Case-Control Study. *Hypertension in Pregnancy* 29:112–119, 2010.
21. Annan J, **Aquilina J**, Ball E. The management of endometrial polyps in the 21st century. *The Obstetrician & Gynaecologist* 2012, 14:33-38.
22. Allen R, Marleen S, Velauthar L, Harrington K, **Aquilina J**. The relationship between second trimester alpha fetoprotein levels and adverse pregnancy outcome *Open Journal of Obstetrics and Gynecology*, 2013, 3, 262-266.
23. The role of nitrates in the prevention of preeclampsia: an update. Kalindindi M , Khan K, Veluathar L, **Aquilina J**. *Women's Health Edition, Current Opinion in Obstetrics & Gynecology*. Vol 24 No 6 pp361-367 December 2013.
24. The dilemma of diagnosing tuberculosis of the cervix. H. Rather, J. Muglu, A. Bell, **J. Aquilina**. *BJOG* Nov 2014.

25. Improved Early Prediction of Preterm Pre-Eclampsia by Combining Second Trimester Maternal Serum Alpha-Fetoprotein and Uterine Artery Doppler. Allen R, Marleen S, Velauthar L, Harrington K, **Aquilina J**. Clin Gynecol Obstet. 2014;3(1):22-29.
26. Uterine artery Doppler in the first trimester as a risk factor for adverse pregnancy outcomes: A meta-analysis involving 55,974 women. L Velauthar, M N Plana, M Kalidindi, J Zamora, B Thilaganathan, S E Illanes, K S Khan, **J Aquilina**, S Thangaratnam.. Ultrasound in Obstetrics and Gynecology May 2014 43(5) 500-7.
27. Allen R, **Aquilina J et al**. Abnormal blood biomarkers in early pregnancy are associated with preeclampsia: a meta-analysis. European Journal of Obstetrics & Gynecology and Reproductive Biology 182 (2014) 194–201.
28. Reflex antenatal DNA screening for Down syndrome. Wald N, Huttly W, Bestwick JP, **Aquilina J**, Peregrine E. Prenatal Diagnosis 2015, 35, 1154.
29. Kisspeptin is a novel regulator of human fetal adrenocortical development and function – a finding with important implications for the human feto-placental unit . Katugampola H, J King PJ , Chatterjee S, Meso M, Duncan AJ, Achermann JC, Guasti L, Ghataore L, Taylor N, Allen R, Marlene S, **Aquilina J**, Abbara A, Jaysena C, Dhillon WS, Dunkel L, Sankilampi,U, Storr HL. The Journal of Clinical Endocrinology & Metabolism, jc.2017-00763, <https://doi.org/10.1210/jc.2017-00763>
30. External validation of preexisting first trimester preeclampsia prediction models. Allen R, Zamora J, Arroyo-Manzanob D, Velauthar L, Allotey J, Thangaratnam S, **Aquilina J**. European Journal of Obstetrics & Gynecology and Reproductive Biology 217 (2017) 119–125
31. Prospective observational study to determine the accuracy of first-trimester serum biomarkers and uterine artery Dopplers in combination with maternal characteristics and arteriography for the prediction of women at risk of preeclampsia and other adverse pregnancy outcomes. Allen R, **Aquilina J**. The Journal of Maternal-Fetal & Neonatal Medicine. <http://dx.doi.org/10.1080/14767058.2017.1355903>.
32. Prenatal reflex DNA screening for trisomies 21, 18, and 13. Wald NJ, Huttly WJ, Bestwick JP, Morris JK, Cheng R, **Aquilina J**, Peregrine E, Roberts D, Alfirevic Z. Genetics in Medicine, November 2017.
33. Maternal clinical predictors of preterm birth in twin pregnancies: A systemic review involving 2,930,958 twins. Marleen S, **Aquilina J et al**. European Journal of Obstetrics & Gynecology and Reproductive Biology, Volume 230, November 2018, Pages 159-171.
34. Seasonal variation in fetal lateral cerebral ventricular diameter. October 2019. Prenatal Diagnosis DOI: <https://10.1002/pd.5586>. Taylor E, **Aquilina J et al**.

35. Biochemical predictors of preterm birth in twin pregnancies: A systematic review involving 6077 twin pregnancies. Marleen S, Das C, MacGregor R, Allotey J, Aquilina J, Khalil A, Thangaratnam S. European Journal of Obstetrics & Gynecology and Reproductive Biology Volume 250, July 2020, Pages 130-142. <https://doi.org/10.1016/j.ejogrb.2020.04.015>

PRESENTATIONS BY INVITATION, ABSTRACTS & POSTERS

1. *Antenatal tests of fetal well being.* Homerton Hospital Postgraduate meeting June 1996.
2. *Prediction and prevention of Pre-eclampsia.* Homerton Hospital Postgraduate seminar Dec 1996.
3. *Uterine artery Doppler in the prediction and aspirin for the prevention of pre-eclampsia.* Newham Hospital Postgraduate meeting January 1997.
4. *The use of uterine artery colour Doppler as a screening test for pre-eclampsia - Does it pass with flying colours?* St. Bartholomew's Hospital Grand Round March 1997.
5. *How does ultrasound change antenatal care?* Whipp's Cross Hospital Postgraduate meeting. November 1997
6. *Screening for uteroplacental complications and high-risk pregnancies.* Advanced course in Ultrasound. Portsmouth University, November 1997.
7. *Should women with unexplained abnormal serum biochemistry be offered uterine artery Doppler studies?* Poster at the British Congress of Obstetrics and Gynaecology, Harrogate, June 1998.
8. *Pregnancy complications cause by utero-placental insufficiency.* 2° Workshop Mediterraneo, Naples, 23-24 October 1998.
9. *Second trimester inhibin-A is an early marker of pre-eclampsia and related uteroplacental complications.* Oral presentation, Registrar's Prize meeting, Royal Society of Medicine 30th March 1998.
10. *Prediction of Pre-eclampsia using inhibin-A and uterine artery Dopplers.* Oral presentation, Specialist Registrar's conference, RCOG, Bristol May '99.
11. *Evaluation of uterine artery flow velocity waveforms for the prediction of pre-eclampsia in a population of mixed parity.* Oral presentation, Victor Bonney Society Meeting May 1999.
12. *Comprehensive analysis of uterine artery flow velocity waveforms at 20 weeks gestation for the prediction of pre-eclampsia.* Oral presentation, 9th World Congress in Obstetrics and Gynaecology Argentina, November 1999.
13. *The significance of placental sonolucencies at 20 weeks gestation and subsequent adverse pregnancy outcome.* Oral presentation, 9th World Congress in Obstetrics and Gynaecology Argentina, November 1999.

14. *Assessment of Blood volume flow in the uterine artery; the influence of arterial distensibility and waveform abnormality.* Oral presentation, 9th World Congress in Obstetrics and Gynaecology Argentina, November 1999.
15. *The prediction of adverse perinatal outcome in multiparous women using uterine artery Doppler.* Oral presentation, British Medical Ultrasound Society 31st Annual Scientific Meeting, December 1999.
16. *Improved early prediction of preterm pre-eclampsia by combining second trimester maternal serum alpha-fetoprotein and uterine artery Doppler.* Oral presentation, British Maternal and Fetal Medicine Society. Fifth Annual Conference. March 2000.
17. *Correlation between second trimester maternal serum inhibin-A and human chorionic gonadotrophin for the prediction of pre-eclampsia.* Poster presentation, British Maternal and Fetal Medicine Society. Fifth Annual Conference. March 2000.
18. *The value of sonohysterography in one-stop menstrual disorder clinic: one year audit.* Oral presentation, Fifth Maltese Medical School Conference December 2003.
19. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 15 No6 December 2003.
20. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 16 No6 December 2004
21. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 17 No6 December 2005
22. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 18 No6 December 2006
23. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 19 No6 December 2007
24. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 20 No6 December 2008
25. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 21 No6 December 2009
26. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 22 No6 December 2010
27. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 23 No6 December 2011
28. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 24 No6 December 2012
29. Radiological appearances of gynaecological emergencies. Oran R, Chavan N, **Aquilina J** Rockall A. Insights into imaging 06/2012; 3(3):265-75.
30. *Section Editor Current Opinion in Obstetrics and Gynaecology.* Vol 25 No6 December 2013
31. *Seasonal Variation in Fetal Lateral Ventricular Diameter: Does Maternal Vitamin D Deficiency Impair Fetal Neurodevelopment? "Vitamin D and Human Health: From Gamete to the Grave":* Gandhi B, **Aquilina J**, Khan KS, Hooper RL, Marleen S, Martineau AR. Report on a meeting held at Queen Mary University of London, 23rd-25th April 2014. Nutrients 2014, 6, 2759-2919; doi:10.3390/nu6072759
32. *First trimester low pregnancy -associated plasma protein-A levels (PAPP-A) and uteroplacental complications: a retrospective cohort study.* FS Marleen, I Shahid, AA Hashi, R Allen, **J Aquilina.**

24th World Congress on ultrasound in Obstetrics and Gynaecology, 14-17th September 2014, Barcelona, Spain

33. Section Editor Current Opinion in Obstetrics and Gynaecology. Vol 25 No 6 December 2014.
34. Section Editor Current Opinion in Obstetrics and Gynaecology. Vol 26 No 6 December 2015.
35. A role for delta-like homologue 1 in a secretory placental population and implications for fetal growth. Meso M, Katugampola H, **Aquilina J**, Allen R, Marleen S, Storr H, Dunkel L, Charalambous M, ESPE Abstracts (2015) 84 P-2-496
36. Serial 3-Dimensional Ultrasonographic Evaluation of Foetal Adrenal Volumes in the 2nd and 3rd Trimester of Pregnancy Characterises Human Adrenal Development in utero. Nerma Baftic, Harshini Katugampola, Muriel Meso, Rebecca Allen, Shemoon Marleen, Shezan Elahi, **Joe Aquilina**, Leo Dunkel & Helen Storr.
37. Maternal blood biomarkers, arteriography and uterine artery Doppler (UAD) for the prediction of hypertensive disease in pregnancy. EP17.20. R Allen, J Bestwick, S Thangaratinam, **J Aquilina**. Ultrasound in obstetrics & gynecology Sept 2016.
38. Section Editor Current Opinion in Obstetrics and Gynaecology. Vol 27 No 6 December 2016.
39. Section Editor Current Opinion in Obstetrics and Gynaecology. Vol 28 No 6 December 2017.
40. Section Editor Current Opinion in Obstetrics and Gynaecology. Vol 29 No 6 December 2018.
41. Section Editor Current Opinion in Obstetrics and Gynaecology. Vol 31 No 6 December 2019.