

Dr. Angela Vinturache: Biography

Dr. Angela Vinturache is an Obstetrician & Gynaecologist with expertise in developmental physiology and maternal and child health epidemiology. She held various academic appointments, her research being recognized with multiples awards and grant funding. Her research in developmental physiology and pharmacology of the cardiovascular and renal systems described novel neurohumoral mechanisms of cardiovascular and renal adaptation to life after birth. Her work in maternal health epidemiology explores the risk factors and perinatal outcomes of obesity in low pregnancies. Specifically, her research showed that in “healthy” obese women there is a linear relationship between BMI and the risk of pregnancy complications such as gestational diabetes mellitus, preeclampsia, eclampsia, and HELLP syndrome and that these women are at higher risk of emergency caesarean section, especially if their labour is induced. She also studied maternal perceptions of prenatal care and child health and nutrition as well as long-term relationship between obesity in pregnancy and functional impairment due to back pain and urinary incontinence at one year postpartum. Biomarkers of spontaneous preterm birth and preeclampsia represent another area of investigation. Currently, her research in obesity in pregnancy, focuses on studying the endocrine physiological mechanisms of maternal obesity and its associated pregnancy complications that mediate maternal long-term cardiovascular and metabolic health and the programming effects on the health of the offspring.