Advanced maternal age: Maternal outcome

Swadha Kotpalliwar
Jawaharlal Nehru Medical College and AVBRH Hospitals, India

Objective: To evaluate the risk of pregnancy-associated morbidities such as hypertension, diabetes, hypothyroidism and adverse perinatal outcomes in elderly women (age >=35 years) in comparison to controls (age 25 to 30 years).

Methods: All women delivered in Fernandez hospital in 2015 were eligible for the study. Those with age 35 years or more at conception were considered as cases, for each case a control was chosen matching for the date of birth (the immediate next delivery), singleton pregnancy and parity status (primi or multi). The outcomes of the study included adverse pregnancy outcomes (PIH or diabetes or hypothyroidism), delivery outcomes (very preterm (<35 weeks) or C-section or assisted vaginal delivery) and fetal/neonatal outcomes (very low birth weight or LGA or fetal or neonatal death).

Results: Among the 7605 deliveries during the study, 928 mothers are included in the study. Elderly women were likely to have hypertension, diabetes mellitus, hypothyroidism, elective C-section rate, and neonatal complications such as earlier gestation at delivery, need for NICU admission, respiratory distress, and jaundice. In comparison to controls, elderly women are likely to have adverse pregnancy outcomes (n=298, 64.2% vs. n=171, 36.9%, p=<0.001), similar delivery outcomes (n=365, 78.7% vs. n=355, 76.5%, p=0.47) and similar adverse neonatal outcomes (n=75, 16.2% vs. n=84, 18%, p=0.48) as defined in the study. On regression analysis correcting for pre-pregnancy hypertension, diabetes, hypothyroidism, BMI at booking and mode of conception, elderly pregnancy increases the risk of adverse pregnancy outcomes by an Odds of 2.4 (95% CI 1.73 to 3.20).

Conclusion: Elderly women are an increased risk of having adverse pregnancy outcomes, elective C-section, earlier gestational at delivery and increased neonatal morbidities.

Biography

Swadha Kotpalliwar has done her DNB in Obstetrics and Gynecology from KJ Somaiya Medical College and Research Center, Mumbai. She has done her fellowship in Obstetric medicine from the prestigious Fernandez Hospital, Hyderabad. She has closely monitored management plans for high-risk cases like SLE, APLA, BOH, Lier and Renal diseases in pregnancy. She also has a good experience with Labor room protocols, ABG’s, Fetal blood sampling, Fetal Scalp Electrodes, and instrumental deliveries. She also has a keen interest in Gynecology Endoscopy and has done 1-year training in the same. She has presented many papers in national and international conferences and also various journals.

swadha.kotpalliwar@gmail.com