

# Undiagnosed transient anaemia polycythaemia sequence in small for gestational age monochorionic twin pregnancy: The importance of MCA PSV monitoring

Fathi Laila Amir, Michael Hoong Farn Weng

Department of Obstetrics and Gynaecology, Sabah Women and Children Hospital, Kota Kinabalu, Sabah, Malaysia

## ABSTRACT

**Introduction:** Twin Anaemia Polycythemia Sequence (TAPS) is a rare complication of monochorionic twin pregnancies caused by slow intertwin transfusion through minuscule vascular anastomoses. **Case Description:** We report a case of a 29-year-old woman with a monochorionic diamniotic twin pregnancy. Routine monitoring showed no significant discordance in amniotic fluid or umbilical artery Doppler, though Twin A was small for gestational age. MCA peak systolic velocity (MCA PSV) was not assessed. At 36+6 weeks, an emergency caesarean was performed due to CTG abnormalities. Twin A was pale with haemoglobin 5 g/dL and cardiomegaly, while Twin B was plethoric with haemoglobin 27.5 g/dL, which the findings were consistent with TAPS. **Discussion:** This case illustrates the diagnostic limitations when MCA PSV is not routinely performed and highlights the need to include MCA PSV monitoring in surveillance of monochorionic twins, particularly when one or both of the fetuses is growth restricted. Early detection is crucial to reduce morbidity and guide timely intervention.