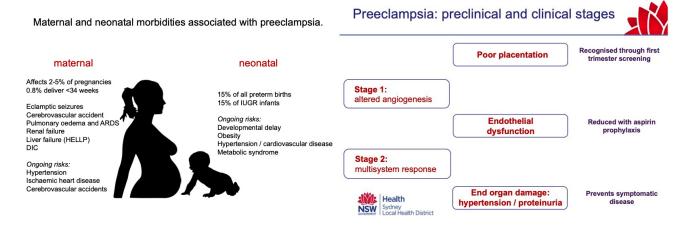
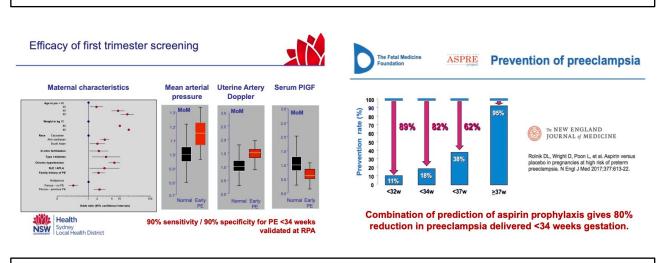
First trimester (11-13 week) screening for prediction and prevention of preterm preeclampsia



Preeclampsia presents as a significant obstetric complication for women and their babies and affects approximately 1 in 20 pregnancies. 1% of babies are born preterm due to maternal preeclampsia. This represents 1 in 8 of all preterm deliveries.

First trimester prediction and provision of aspirin prophylaxis for prevention provides an opportunity to prevent 80% of these preterm deliveries. The high efficacy of this test provides reassurance and allows reduced surveillance through the mid part of pregnancy.



Screening for preeclampsia is done at the first trimester scan (traditionally used to screen for aneuploidy). The test involves features of maternal history and measurement of maternal blood pressure, uterine artery Doppler ultrasound and analysis of the serum marker PIGF (placental growth factor). All components of the test are done at the time of combined first trimester screening.

A high risk is defined as risk >1 in 100. High risk women are advised to take aspirin (150mg nocte PO) through to 36 weeks of pregnancy. Aspirin has a very well documented safety profile in pregnancy. High compliance (90% doses) is needed to be effective.

Version: 1.0 Date: August 2021

Royal Prince Alfred Hospital
Missenden Road, NSW 2050
Tel 612 9515 6111
Email SLHD-RPASupportUnit@health.nsw.gov.au
www.slhd.nsw.gov.au/rpa

Sydney Local Health District
ABN 17 520 269 052
Level 11 North, King George V Building
83 Missenden Rd
CAMPERDOWN, NSW, 2050
Tel 612 9515 9600 Fax 612 9515 9610