

## Screening for Pre-eclampsia

### The mean arterial pressure (MAP) - (Blood pressure)

In the measurement of the mean arterial pressure (MAP) – (blood pressure) the gestation should be 11<sup>+0</sup> – 13<sup>+6</sup> weeks gestation and the crown-rump length 45-84 mm

- An automated device should be used and this should be calibrated at regular intervals
- The woman should be in the seated position with their arms supported at the level of the heart and her feet flat on the floor
- A small (<22 cm), normal (22-32 cm) or large (33-42 cm) adult cuff should be used depending on the mid-arm circumference
- After rest for 5 minutes the blood pressure (BP) should be measured in both arms simultaneously and a series of recordings made at 1-minute intervals until variations between consecutive readings fall within 10 mmHg in systolic (SBP) and 6 mmHg in diastolic pressure (DSP) in both arms
- The mean arterial pressure (MAP) should be calculated for each arm as the average of the last two stable measurements. The arm with the highest final MAP should be considered in the assessment of risk.

See FMF Course <http://www.fetalmedicine.com/fmf/online-education/01-11-136-week-scan/>

Topic # 17 has details on Prenatal Screening for Pre-eclampsia