JPMC
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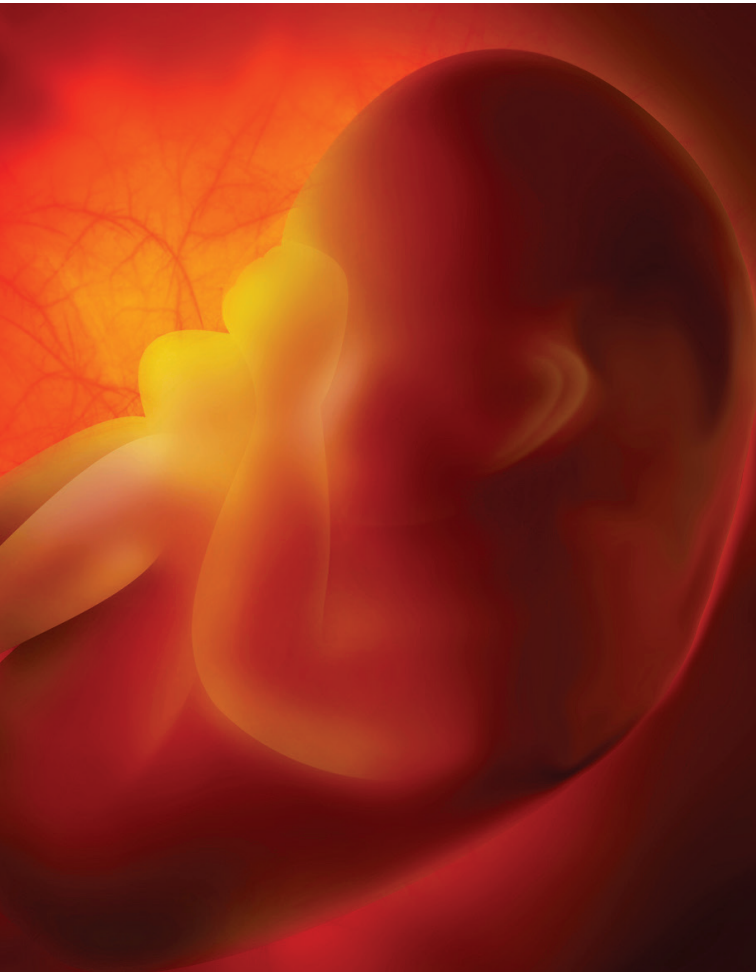
FIRST TRIMESTER SCREENING

FOR DOWN SYNDROME AND TRISOMES 13 & 18

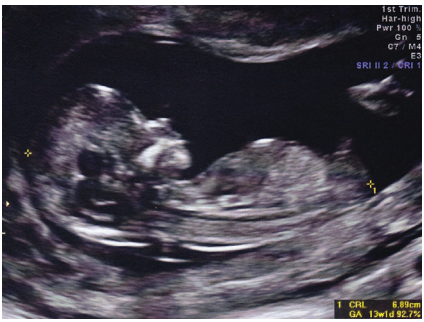


Nuchal Translucency/Nasal Bone Scan And Maternal Serum Screening

Down Syndrome and trisomies 13 & 18 are chromosomal disorders that can cause birth defects in babies, mental retardation and various medical problems involving the heart, intestines and other organs. Trisomy 13 and 18 are more severe disorders. Only a few babies survive after birth.

NT Scan

Nuchal Translucency is a measurement of the fluid beneath the skin at the level of the baby's neck by ultrasound. The presence of your baby's nasal bone will also be determined during the scan.The sensitivity of this is only 74%.



Maternal Serum screening:

A blood of sample from the pregnant mother will be obtained on the same day with ultrasound. This test measures two chemicals called free beta-HCG and PAPP(Pregnancy Associated Plasma Protein-A), which are found in the blood of all pregnant women.

Results

The Nuchal scan and blood test are done between 12 and 13 weeks and 6 days of pregnancy. They are both done on the same day. In some pregnancies, when the baby has Down Syndrome, trisomy 13 or trisomy 18, there is extra fluid behind the baby's neck (increased nuchal

translucency level) and/ or the hCG and PAPP-A results are higher or lower than average. Additionally, the baby's nasal bone may be absent in chromosomal abnormalities.

A NT scan result is combined with the mother's age and results of the maternal blood test to provide a combined risk for Down Syndrome and trisomy 13 and 18.

First Trimester Screening
Nuchal Scan (ultrasound)
First Trimester Screening (blood test)
NIPD with Microdeletion

Accuracy of Screening Test and why?

Since this is a screening test, a positive result (showing an increased risk) does not mean that your baby has a problem. It means that further diagnostic tests need to be done for confirmation. This test is 96% accurate in detecting babies who have Down Syndrome, Trisomy 13 and 18.

This test is not designed to provide information about the possibility of other chromosomal conditions or other genetic disorders, birth defects or other causes of mental retardation.

Your obstetrician will see you in 3 weeks to discuss the results of the test.

Preparation Before Screening

You are advise to make an appoinment with our OBGYN clinic at 261 1433 ext 3000/3002. For more infomation, kindly speak to our Specialist nurses.

You are required to drink at least 4 – 5 glasses of plain water prior to the procedure. The bladder should be full for proper visualisation of fetus.

Note

Please remember to have the Nuchal scan and Maternal Blood test done on the same day.

OBG_ 0520

OBSTETRICS AND GYNAECOLOGY CLINIC

CLINIC HOURS

Mondays to Fridays 8:00am - 5:00pm
Saturdays 8:00am - 12:00noon

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