7. **Scope**

Amniocentesis has been widely used and fastest growing procedure in diagnostic since last decades. Amniocentesis in prenatal diagnosis test provides information about unborn baby’s health and development. The test is used to know about the genetics pattern of the unborn fetus.

Because of its high reliability and safety measures it has becomes more popular for Gynecologist to give option to the women to ensure that their unborn child is in perfect health. Generally 95% of the high risk pregnancies who have amniocentesis receive normal results. Only 5% will be found to have a baby with chromosomal defects. This test is usually offered to those women who are found to have increase risk for chromosomal defects. The common high risk factors are maternal age, Positive maternal serum screening, abnormal ultrasound, carrier parents, Previous affected child, increased NT ect. Women with advanced maternal age who are pregnant have a much higher risk of having baby with chromosomal defects. It is imperatives for families with a strong history that indicates that baby may be at high risk of inheriting a genetic disorder.

- Screening test gives information of increased risk to the fetus. No confirmation result can be obtained from screening test.
- Amniocentesis provides reliable and accurate result.
- Used as a diagnostic procedure and for preventive and risk management.
- The test provides information about unborn baby whether that has genetic or chromosomal abnormalities.
- It identifies not only common genetic disorder likes Down’s syndrome, Edwards’s syndrome but also the other structural and numerical chromosomal abnormalities.
- We can also get other information like single gene mutation with chromosomal pattern in cases like SMA, Cystic fibrosis, Fragile X syndrome ect.
- The test is 99% accurate in diagnostic.
- Having amniocentesis women with affected babies gain advanced knowledge of the special needs that the child may need after birth. Parents are then able to prepare before birth to meet the particular needs of child.