Although amniocentesis offers many advantages there are also various other limitations of the procedure and technique. Any women thinking about having the test should be fully aware of the complication and limitations. Following are the main limitation,

- Some uncommon abnormalities including microdeletion may be suspected at prenatal diagnosis due to abnormal ultrasound scans. As these microdeletion may be missed during conventional karyotyping.

- There is the slight risk that the test could lead the mother to have a miscarriage. The risk of miscarriage due to amniocentesis is about 0.5 to 1% world wide. There is also a risk of uterine infection in day of procedures.

- Early amniocentesis causes a 2 to 3% of spontaneous abortion.