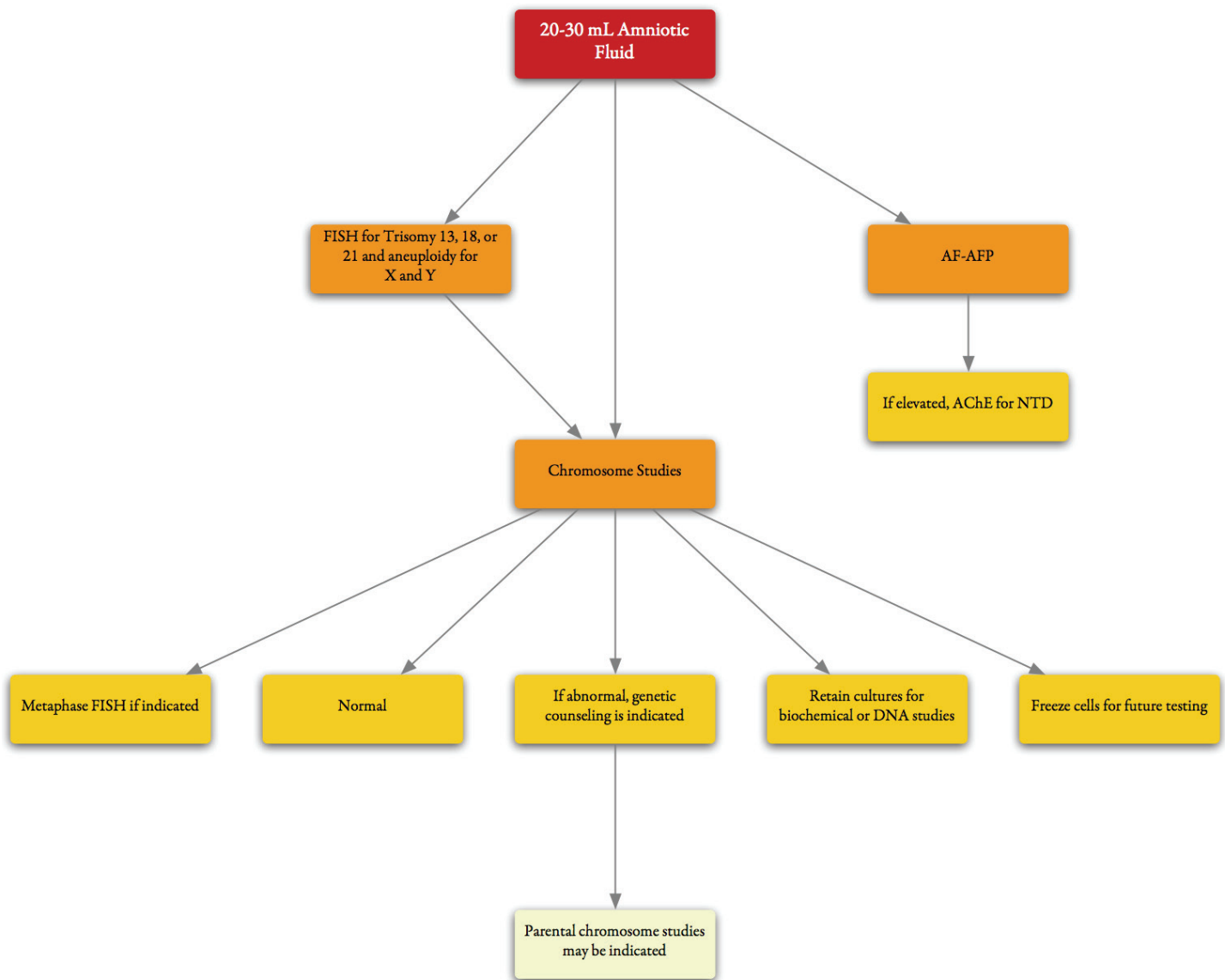




Prenatal Diagnosis

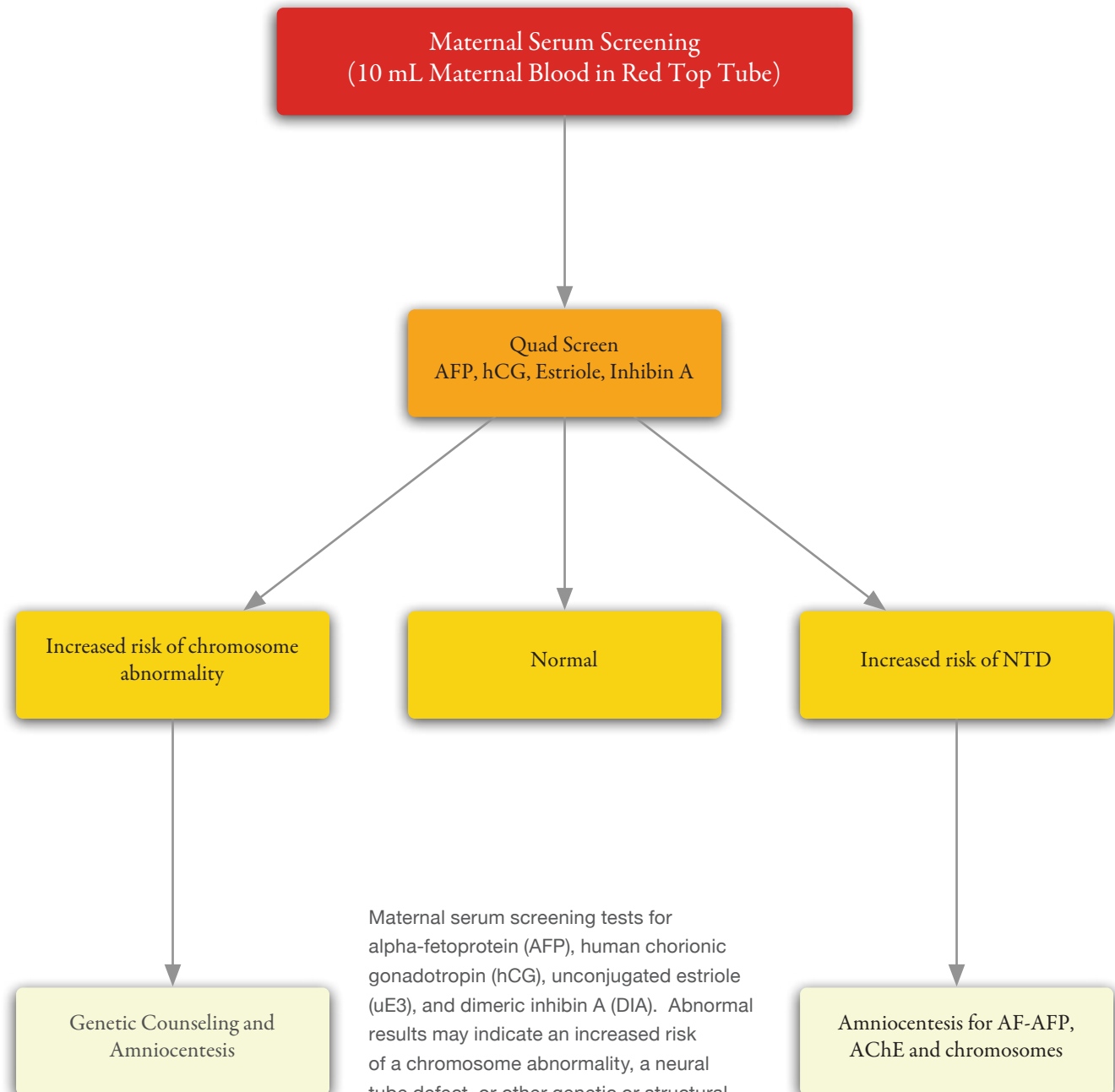
Testing Algorithm for Amniotic Fluid



The tests most frequently performed on amniotic fluid are chromosomes studies and alpha-fetoprotein (AF-AFP) determination. Specialized testing such as fluorescence *in situ* hybridization (FISH), molecular genetic or biochemical genetic testing may be indicated based on maternal or fetal risk factors. Genetic counseling is recommended when abnormal test results are obtained.



Testing Algorithm for Maternal Serum Screening



Maternal serum screening tests for alpha-fetoprotein (AFP), human chorionic gonadotropin (hCG), unconjugated estriole (uE3), and dimeric inhibin A (DIA). Abnormal results may indicate an increased risk of a chromosome abnormality, a neural tube defect, or other genetic or structural defects. Because maternal serum screening is not considered diagnostic, further genetic testing by amniocentesis may be warranted in the event of an abnormal result.