## SIGNIFICANCE OF SONOGRAPHIC SOFT MARKERS OF FETAL ANEUPLOIDY IN DAY TO DAY PRACTICE

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## INTRODUCTION

Soft markers are minor ultrasound findings readily detected during a genetic sonogram, considered variants of normal, and do not constitute a structural defect. They are non-specific and often transient and may be associated with chromosomal or non chromosomal abnormalities. The presence of soft markers increases the risk of fetal aneuploidy but is not diagnostic. Individual soft marker will vary in degree of association with fetal aneuploidy.

**DISCUSSION** About sixteen potential second trimester soft markers can be identified. Only 5 markers are considered useful for evaluation of fetal aneuploidy which include increased nuchal fold thickness, echogenic bowel, mild ventriculomegaly, echogenic focus in the heart and choroid plexus cyst. Although not pathologic of themselves, these soft markers have been used to screen for or adjust the risk for Down's syndrome and other aneuplodies. It has become practice to estimate the degree of association as likelihood ratio (LR) by which the priori background risk is altered. Detection of multiple soft markers will increase the significance of findings, compared with screening the same marker in isolation. Non sonographic factors including maternal age, gestational age, past history and family history also influence the chance of aneuploidy and should be considered to establish an accurate a priori risk.

BILATERAL CHOROID PLEXUS CYSTS



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