PRACTICAL PEARLS: Prenatal Screening

INTRODUCTION	 Noninvasive prenatal screening (NIPS or NIPT) is a test for abnormal chromosome number that uses a sample of blood from a pregnant woman after about 8 weeks gestation
	 Analysis of maternal blood for cell free (floating) fragments of DNA (cfDNA) from the placenta.
	• cfDNA is sequenced and counted. Complex algorithms detect pregnancies at high risk for trisomies 21, 18, or 13.
	 Newer versions can detect other chromosome abnormalities such as microdeletion syndromes (22q11).
	 This is a screening test; positive results need to be confirmed with a diagnostic test (chromosome analysis via CVS, amniocentesis, postnatal blood testing). False positives and false negatives occur!
	ACMG Statement, Genet Med 18:1056-1065, 2016 http://www.acmg.net/docs/ACMG_NIPS_FINAL_STATEMENT_GIM_Oct%202016.p
	<u>df</u>
	ACOG Committee Opinion Number 640, 2015.

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