WOMEN'S HEALTH

Quick Reference: Guidelines on Prenatal Genetic Testing

As a trusted partner, we want to help you stay up to date on the latest society recommendations for prenatal genetic testing. Consult the following to recap current guidelines for NIPT and carrier screening.

NIPT use updates from ACOG/SMFM

When combined with diagnostic testing and genetic counseling, cell-free DNA screening is now suitable for all pregnancies regardless of age or risk—even for twins.

According to the ACOG/SMFM New Practice Bulletin #226:[1]

- NIPT is the most specific screen for common aneuploidies

Furthermore, all patients should be offered:

- Screening and diagnostic options
- Genetic pre/post test counseling

Let our experience support the needs of your practice and patients with:

- The MaterniT® 21 PLUS cfDNA test
  - >2M+ tests performed to date[2]
  - Published data on 30,000+ twins and multiples[2]
- A comprehensive diagnostic portfolio
  - Including Reveal Prenatal SNP microarray with 75,000+ samples[2]
- Extensive maternal serum screening options
  - Including MS-AFP
- Over 130 genetic counselors on staff to assist patients and providers

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Your partner for preconception, pregnancy and pediatric care.

Carrier screening updates from ACMG

Between 2010 and 2021, there was a 276% increase in US individuals identifying as multiethnic.[3] ACMG now recommends an ethnic-neutral carrier screening approach for prenatal testing.[4]

The 2021 ACMG Practice Resource concluded that carrier screening should:[4]

- Assess a broad panel of conditions
- Be offered to all patients who are pregnant or considering pregnancy
- Be performed in the preconception period to allow access to all reproductive options
- Include comprehensive gene-specific sequencing for the partner

Furthermore, diagnostic testing should be offered when:[4]

- A pregnancy is known to be at risk
- If the partner does not proceed with testing
- If results cannot be obtained in time for decision making

Let our experience support the needs of your practice and patients with:

- Ethnic-neutral panel choices
- Comprehensive partner testing (with or without VUS)
- Prenatal diagnosis for each condition included in Inheritest® Carrier Screen
- Over 130 genetic counselors on staff to assist patients and providers

References

1. ACOG Practice Bulletin 226. *Obstet Gynecol*. 2020 Oct;136(4):e1-e22.
2. Internal data.
3. Jones N, Marks R, Ramirez R, Rios-Vargas M. 2020 Census Illuminates Racial and Ethnic Composition of the Country. August 12, 2021.
4. Gregg AR, Aarabi M, Klugman S, et al. Screening for autosomal recessive and X-linked conditions during pregnancy and preconception: a practice resource of the American College of Medical Genetics and Genomics (ACMG) [published online ahead of print, 2021 Jul 20]. *Genet Med*. 2021;10.1038/s41436-021-01203-z.

Explore our best-in-class solution for combined prenatal testing and see if it fits with your practice:
womenshealth.labcorp.com/providers/pregnancy/prenatal-testing-kit

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