Obstetric, Perinatal, and Fetal Outcomes in Pregnancies With False-Positive Integrated Screening Results

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1. Briefly describe all strategies currently available for prenatal screening for aneuploidy. Which approach is most commonly used at your institution? How frequently is integrated screening used at your institution? How do your screen-positive criteria differ from those reported by the authors?

2. Discuss whether this study is relevant to your own practice.

3. What is the screen-positive rate of a prenatal screening test and how does it relate to the false-positive rate? Using the data provided (1st paragraph of the Results section), estimate the screen-positive rate of sequential integrated screening in the California prenatal screening program. How does their rate compare with the rate at your institution and/or other screening programs you are aware of?

4. What study design is used by the authors? Which of these two guidelines, STARD or STROBE, do you think the authors used when preparing their study report? Discuss whether the authors adhered to the appropriate guidelines.

5. What are the key findings from this study? Which findings are novel (if any)?

6. In this study, women with false-positive integrated screening results were compared to those with negative results (excluding false-negative results). If you conducted this study, would you exclude those with false-negative results from the comparison (or referent) group? How might the results change if they were included?

7. List the main outcomes studied and identify the primary outcome. List any major concern(s) regarding studies that examine several outcomes. What strategies may be applied to address the concern(s)? Review the results (RR and 95% CI) presented in Table 3 and discuss whether these results may be explained by the major concern(s) you listed.

8. Do you plan to change your practice based on the results of this study? Why or why not?