OP 18.05: Evaluating variability in antenatal sonographic prognostication of congenital diaphragmatic hernia across the North American Fetal Therapy Network (NAFTNet)

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OBJECTIVES

INTRODUCTION

METHODS

RESULTS

CONCLUSION

≤5 | >5-10 | >10-15 | >15-20 | >20

Evaluate practice patterns in sonographic prognostication of CDH within NAFTNet:

- Annual CDH caseload/center
- # of centers
- # of cases/yr.

17% | 45% | 38% | 21% | 26% | 53%

AP | Longest | Trace

• All used o/e LHR or LHR

• Relevance of o/e LHR for prognostication:
  - High: 70% FETO
  - Moderate: 50% non FETO

• Very confident/ fairly confident in o/e LHR

• # of images used?

• Average, highest or lowest value?

• Pitfalls with different lung area methods:
  - AP: Landmarks?
  - Longest: Overestimate?
  - Trace: High resolution, exclude mediastinal vessels

Calculators for o/e LHR

Image selection criteria

✔ Preferred lung area method/reviewer

Calculators for o/e LHR

Image selection criteria

✔ 4-chamber view

✔ Axial

✔ Clear lung borders

✔ No shadowing

✔ Position

✔ Image optimization

Good | Poor | Poor

5-15 | ≥15

5


2 Peralta C et al. UOG 26: 718–724, 2005;

3 Jani J et al. UOG 39: 2–6, 2012,

4 Senat MV et al. UOG 51(2): 208–213, 2018;