

1 ☐ **FETAL FACE AND NECK**

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2 ☐ **SONOGRAPHIC EVALUATION**

○Axial

- Orbits, nose, lips, anterior palate, tongue

○Coronal

- Orbits, nose, lips, maxilla, anterior portion of the mandible

○Profile

- Soft tissue and facial bones including nose

○Ears

3 ☐ **FACIAL PROFILE**

○Nose

- Flattened
- Tubular or located incorrectly
- Nasal bone present

○Chin

- Too small-micrognathia

○Facial masses

- Solid
- Cystic

4 ☐ **SKULL**

○Craniosynostosis

- Clover-leaf
 - Clover leaf appearance in anterior view
- Trigonocephaly
 - Elongated forehead
- Frontal bossing
 - Bulging of the frontal bones

5 ☐ **NECK**

○Cystic Hygromas

- Obstruction of lymphatic system
- Can be single or multiloculated

○Goiter

- Solid mass
- Anterior neck
- Question maternal history of thyroid problems

○Teratoma

- Can have variable appearance

6 ☐ **HEMANGIOMAS**

- Benign neoplasm
- Small or large
- Can distort or cause pressure on other areas
- Use color and power Doppler to identify flow patterns

7 ☐ **LIP AND PALATE**

- Coronal fetal lips and mouth
- Hypoechoic muscles of lips noted
 - Continuity of lips and nose should be seen after 16 weeks
 - Entire upper lip in one plane

8 ☐ **TYPES OF CLEFT LIP**

9 ☐ **TONGUE**

- Macroglossia
 - Enlarged and protuberant tongue
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10 ☐ **CHIN**

- Micrognathia
 - Small mandible
 - Receding chin
- High association with other conditions and syndromes

11 ☐ **NOSE**

- Nostril symmetry
- Nasal septum integrity
- Continuity of upper lip
 - Exclude cleft lip and palate

12 ☐ **ORBITS**

- Axial Plane
 - Symmetric image
 - Both eyes equal diameter
 - Largest possible diameter of eye obtained
- Ocular Diameter (OD)
 - Medial to lateral wall of one bony orbit
- Interocular Distance (ID)
 - Medial wall of one orbit to the medial wall of the other orbit
- Binocular Distance (BD)

- Measurement between lateral orbital rims
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13 ☐ **ORBITS CONT.**

- Hypotelorism
 - Eyes too close together
- Hypertelorism
 - Eyes too far apart
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14 ☐ **FETAL FACE AND NECK**

- Skull
- Eyes
- Nose
- Lips
- Chin
- Tongue
- Masses
 - Cystic
 - Solid