

Fetal abdomen

1.

1)

(longitudinal coronal)

가

(transverse axial)

hyperechoic

hypoechoic

5

2)

14

가

9

가

16

, , (antrum), incisura angularis 가

3)

2

가 가

가

가

4)

3

가

5)

6)

가

7)

8)

가

9)

10)

8

10

가

, 11

7 mm

가 45 mm

, 9-

2.

1) Gastric pseudomass

2) Nonvisualization of stomach

(1) Normal

(2) Oligohydramnios

(3) CNS abnormalities

- (4) Thoracic mass
- (5) Musculoskeletal system impairment
- (6) Esophageal atresia
- (7) Diaphragmatic hernia
- 3) Gastric outlet obstruction
 - (1) Pyloric stenosis
 - (2) Membranous antral web
- 4) Echogenic small bowel
 - (1) Normal
 - (2) Swallowing of bloody amniotic fluid
 - (3) Chromosomal abnormalities
 - (4) Cystic fibrosis
 - (5) Congenital infection
 - (6) Meconium peritonitis
- 5) Dilated stomach and duodenum
 - (1) Duodenal atresia
 - (2) Duodenal stenosis
 - (3) Annular pancreas
 - (4) Volvulus
 - (5) Intestinal duplication
- 6) Small bowel dilatation
 - (1) Atresia
 - (2) Intestinal volvulus
 - (3) Meconium ileus
 - (4) Malrotation
 - (5) Peritoneal band
 - (6) Cystic fibrosis
- 7) Large bowel dilatation
 - (1) Anorectal atresia
 - (2) Hirschsprung disease
- 8) Umbilical cord abnormalities
 - (1) Persistent right umbilical vein
 - (2) Umbilical vein varix
- 9) Hepatic echogenicity
 - (1) Meconium peritonitis
 - (2) Chromosomal abnormalities

- (3) Congenital infection
 - (4) Hepatic tumor
 - (5) Cholelithiasis
- 10) Abdominal cyst
- (1) Choledocal cyst
 - (2) Renal cyst, Hydronephrosis
 - (3) Ovarian cyst
 - (4) Mesenteric cyst
 - (5) Bowel duplication
 - (6) Cystic teratoma
 - (7) Urachal cyst
- 11) Ascites
- (1) Pseudoascites
 - (2) Fetal hydrops
 - (3) Meconium peritonitis
 - (4) Urinary ascites
- 12) Abdominal wall defect
- (1) Omphalocele
 - (2) Gastroschisis
 - (3) Beckwith-Wiedeman syndrome
 - (4) Pentalogy of Cantrell
 - (5) Amniotic band syndrome
 - (6) Cloacal exstrophy
 - (7) Limb-body wall complex

References

- 1) Angtuaco TL. Fetal anterior abdominal wall defect: In Callen PW. ed. Ultrasonography in obstetrics and gynecology. 4th ed. WB Saunders, 2000; pp.489-516.
- 2) Bowerman RA and Nyberg DA. Normal fetal anatomic survey: In Nyberg DA, McGahan JP, Pretorius DH, and Piloni G. eds. Diagnostic imaging of fetal anatomy. Lippincott Williams & Wilkins, 2003; pp.15-30.
- 3) Filly RA and Feldstein VA. Ultrasound evaluation of normal fetal anatomy: In Callen PW. ed. Ultrasonography in obstetrics and gynecology. 4th ed. WB Saunders, 2000; pp.254-63.
- 4) Hertzberg BS, Nyberg DA, and Neilsen IR. Ventral wall defect: In Nyberg DA, McGahan JP, Pretorius DH, and

- Pilu G. eds. Diagnostic imaging of fetal anatomy. Lippincott Williams & Wilkins, 2003; pp.507-46.
- 5) Hill LM. Ultrasound of fetal gastrointestinal tract: In Callen PW. ed. Ultrasonography in obstetrics and gynecology. 4th ed. WB Saunders, 2000; pp.457-87.
- 6) Laing FC and Frates MC. Ultrasound evaluation during the first trimester of pregnancy: In Callen PW. ed. Ultrasonography in obstetrics and gynecology. 4th ed. WB Saunders, 2000; pp.139-40.
- 7) Nyberg DA and Neilsen IR. Abdomen and gastrointestinal tract: In Nyberg DA, McGahan JP, Pretorius DH, and Pilu G. eds. Diagnostic imaging of fetal anatomy. Lippincott Williams & Wilkins, 2003; pp.547-602.