

Placenta pathology report survey

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CMC

Specimen type; placenta

Disc size; cm, weight g

Cord length; cm, diameter cm

Cord insertion; central / eccentric / marginal / furcate / velamentous / interpositional

Cord vessels; three

Representative sections embedded.

Paraffin block key; 1 membrane, 2 cord, 3-4 disc

1. Placenta, total, removal;
 - a) Intervillous fibrin deposition.
 - b) Focal necrosis and hemorrhage.
2. Umbilical cord;
Unremarkable.

SMC

Dx: Placenta, Delivery;

1. Mature/immature placenta
2. (Two) umbilical arteries and one umbilical vein

3. Findings consistent with amniotic fluid infection

- Chorioamniotic maternal response: None

Stage 1 Early: acute subchorionitis/chorionitis

Stage 2 Intermediate: acute chorioamnionitis

Stage 3-A Late: Necrotizing chorioamnionitis

Stage 3-B Late: Subacute chorioamnionitis

Severe: subchorionic microabscesses

- Chorioamniotic fetal response: None

Stage 1 Early: umbilical phlebitis/chorionic vasculitis

Stage 2 Intermediate: umbilical arteritis

Stage 3 Late: concentric umbilical perivasculitis (“necrotizing funisitis”)

Severe: intense chorionic vasculitis with recent nonocclusive chorionic vessel thrombi

4. Findings consistent with maternal underperfusion

None

- Villous changes: Remote villous infarct
Recent villous infarct
Increased syncytial knots
Villous agglutination
Increased intervillous fibrin
Distal villous hypoplasia
- Vascular lesions: Persistent muscularization of basal plate arteries
Mural hypertrophy of decidual arterioles
Acute atherosclerosis of basal plate arteries and/or decidual arterioles

5. Findings consistent with fetal vascular thrombo-occlusive disease

- None
- Villous changes:
 - Early: villous stromal-vascular karyorrhexis
 - Late: hyalinized avascular villi (Exclusive small foci/Variable size foci)
 - Severe: fetal thrombotic vasculopathy (average of >15 affected villitis/slide)
- Vascular lesions: Thrombi, large fetal vessels Intimal fibrin cushions, large fetal vessels
Fibromuscular sclerosis, intermediate-sized fetal vessels
- Inflammatory: Chronic villitis (VUE) with obliterative fetal vasculopathy
 - Basal, low-grade/high-grade
 - Distal, low-grade/high-grade
 - Proximal, low-grade/high-grade

6. Chronic inflammatory lesions

- None
- Chronic Chorioamnionitis (Grade 1/2, Stage 1/2)
- Chronic Deciduitis

7. Others

AMC

DIAGNOSIS:

Placenta, (+ /7 gestational weeks), vaginal delivery / cesarean section:

- (First / Second / Third) trimester placenta without specific pathology

- Consistent with amniotic fluid infection: MP0013
 - Chorioamnionitis, maternal response:
 - Stage 1: acute chorionitis
 - Stage 2: acute chorioamnionitis
 - Stage 3: necrotizing chorioamnionitis
 - Chorioamnionitis, fetal response:
 - Stage 1: (umbilical phlebitis / chorionic vasculitis)
 - Stage 2: umbilical arteritis
 - Stage 3: necrotizing funisitis

- Consistent with maternal underperfusion: MF9340
 - Villous changes:
 - Villous infarct(s)
 - Increased syncytial knots
 - Increased intervillous fibrin
 - Distal villous hypoplasia
 - Vascular lesions:
 - Persistent muscularization of basal plate arteries
 - Mural hypertrophy of decidual arterioles
 - Acute atherosclerosis of basal plate arteries and/or decidual arterioles

- Consistent with fetal vascular thrombo-occlusive disease: MY6410
 - Villous changes:
 - Early: villous stromal-vascular karyorrhexis
 - Late: hyalinized avascular villi
 - Severe: fetal thrombotic vasculopathy (average of 15 affected villi/slide)
 - Vascular lesions:
 - Thrombi, large fetal vessels
 - Intimal fibrin cushions, large fetal vessels
 - Fibromuscular sclerosis, intermediate-sized fetal vessels

- Chronic placental inflammation (antifetal rejection): MP0003
 - Chronic nonspecific villitis: (basal / non-basal)
 - Chronic chorioamnionitis: (diffuse / non-diffuse)
 - Chronic deciduitis: (with / without) plasma cells

GROSS:

1. Specimen status: Fresh / Formalin fixed
2. Procedure: Vaginal delivery / Cesarean delivery
3. Measurement: Umbilical cord: cm in length and cm in diameter (centrally / eccentrically / marginally / membranously inserted) Placental disc: x x cm, grams (trimmed weight)
4. Abnormalities: None / _
5. Profile: 1) Chorioamniotic membranes:
 - Incomplete / Complete
 - Clear / stained (color:) / opaque 2) Parenchyma (placental disc):
 - Red / Pale / Plethoric
 - Infarcts _ % Central / Peripheral
 - Abruptio _ %
 - Other lesions
6. Photo (x_)
7. Slide keys: 5 cassettes (representative) 1,2, umbilical cord and chorioamniotic membranes; 3-5, placental disc.

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- No formal pathology report form
- Usually check the chorioamnionitis

Ajou University

Placenta and umbilical cord, removal;

- Parenchyma :
- Umbilical cord :
- Membrane :

Discussion

- Real world importance of placenta pathology report
- Unmet needs