

Exemplar placental histopathology request form

This placenta is a: singleton
 twin (monochorionic/dichorionic)
 twin (monoamniotic/diamniotic)

with the following features:

PLACENTAL MATURITY:

This is a:

- mature placenta
 premature placenta
 immature placenta

In keeping with weeks gestation.

Is there placental dysmaturity?

- Yes No

PLACENTAL VASCULAR PROCESSES:

Maternal stromal-vascular lesions:

- Present Not identified

Developmental changes: Superficial implantation:

- Present Not identified

Changes of maternal malperfusion:

- Present Not identified

PLACENTAL WEIGHT:

grams

centile

Fetoplacental weight ratio:

Placental cord diameter:

GLOBAL CHANGES:

Early (distal villous hypoplasia):

- Present Not identified

Focal (lower 2/3rds placental disc/ >30% of slide/1 slide/
Not Identified)

Diffuse (lower 2/3rds placental disc/>30% of slide/>2
slides/Not Identified)

Late (accelerated villous maturation):

- Present Not identified

Increased syncytial knots (>30% villi):

- Present Not identified

PLACENTAL HYPOPLASIA:

(weight <10th centile for gestation and/or cord diameter
<10th centile for gestation or
<8 mm diameter at term):

- Present Not identified

SEGMENTAL CHANGES:

Villous infarct(s): Present Not identified

Number:

Site:

Size:

Age:

Recent Established Variable:

Placental involvement: %

PLACENTOMEGALY:

(weight >90th centile for gestation):

- Present Not identified

DECIDUAL ARTERIOPATHY:

Present Not identified

Site: Placental bed
 Parietal membranes
 Not Identified

Acute atherosclerosis: Present Not identified

Fibrinoid necrosis: Present Not identified

Spiral artery remodelling:
 Present Not identified

Parietal mural hypertrophy:
 Present Not identified

Intramural trophoblast: third trimester:
 Present Not identified

Chronic perivasculitis:
 Present Not identified

Increased immature extravillous trophoblast:
 Present Not identified

LOSS OF MATERNAL VASCULAR INTEGRITY:

Abruptio placenta (arterial):
 Present: (Acute/Chronic) Not identified

Retroplacental haemorrhage:
 Present Not identified

Indentation: Present Not identified

Size:

Weight of separate blood clot: g

Compression of overlying placenta:
 Present Not identified

Villous congestion/haemorrhage:
 Present Not identified

Marginal abruption (venous):
 Present: (Acute/Chronic) Not identified

Fetal stromal-vascular lesions:

DEVELOPMENTAL:

Villous capillary lesions:
 Present Not identified

Chorangioma:
 Present Not identified

Delayed villous maturation (maturation defect; >34 weeks gestation, monotonous villous population, >10 villi >30% 1 slide):

Present
 Not Identified
 Not Applicable (gestational age <34 weeks)

Grade: Focal (1 slide)/Diffuse (>= 2 slides)
 Diabetes related
 Idiopathic
 Dysmorphic villi: Present Not identified
 Villous oedema: Present Not identified

CHANGES OF FETAL MALPERFUSION:

Global/partial:

Obstructive lesions of umbilical cord:
 Present Not identified

Recent intramural fibrin in large fetoplacental vessels:
 Present (site: arterial/venous)
 Not identified

Small foci of avascular or karyorhectic villi:
 Present Not identified

Segmental/complete:

Chorionic plate or stem villous thrombi:
 Present Not identified

Large foci of avascular or karyorhectic villi:
 Present Not identified

Loss of vascular integrity:

Large vessel rupture (fetal haemorrhage):
 Present Not identified

Small vessel rupture (fetomaternal haemorrhage):
 Present Not identified

**PLACENTAL INFLAMMATORY-
IMMUNE PROCESSES:**

Acute maternal inflammatory response:

Present Not identified

- Stage 1: Subchorionitis/chorionitis (6-12 hours)
- Stage 2: Chorioamnionitis (12-36 hours)
- Stage 3: Necrotising chorioamnionitis (>36 hours)
- Grade: Severe/Not Severe

Subacute/chronic maternal:

Present Not identified

- Mixed neutrophilic - histiocytic chorioamnionitis (weeks)

Acute fetal inflammatory response:

Present Not identified

- Stage 1: Chorionic vasculitis/umbilical phlebitis (variable time)
- Stage 2: Umbilical arteritis (variable time) Stage 3
- Necrotising funistis (days)
- Grade: Severe/Not Severe

Subacute/chronic fetal response:

Present Not identified

- Subnecrotising or necrotising funistis/prevasculitis (weeks)

Chronic maternal/fetal inflammatory response:

Villitis:

Present Not identified

Infectious lesions:

Present Not identified

Viral inclusions:

Present Not identified

Other organisms:

Present Not identified

Immune/idiopathic inflammatory lesions:

Present Not identified

*Chronic maternal/fetal inflammatory response
(continued):*

Villitis of unknown etiology:

Present Not identified

Location:

- Basal: Yes No
- Parabasal: Yes No
- Paraseptal: Yes No
- Random parenchyma: Yes No
- Subchorionic: Yes No

Type:

- Lymphocytic villiti
- Lymphoplasmacytic villiti
- Lymphohistocytic villitis

Giant cells: Present Not identified

Grade:

- Focal low grade (<10 contiguous villi any one focus, on a single slide)
- Multi-focal low grade (<10 contiguous villi any one focus, on multiple slides)
- Patchy high grade (at least one focus <10 contiguous villi on multiple slides)
- Diffuse high grade (at least one focus >10 contiguous villi, 30% terminal villi involved).
- Ungradable, possible low grade, villitis (one focus < 10 contiguous villi).
- Ungradable, possible high grade, villitis (one focus >10 contiguous villi)

Obliterative fetal vascular changes:

Present Not identified

Chronic chorioamnionitis:

Present Not identified

Lymphoplasmacytic deciduitis:

Present Not identified

Eosinophil T-cell fetal vasculitis:

Present Not identified

Intervillositis:

Chronic histiocytic intervillositis:

Present Not identified

Acute intervillositis: Present Not identified

Fibrin deposition: Present Not identified

