

## APPENDIX P

### PLACENTA HISTOPATHOLOGY REPORTING FORM

This is a singleton or twin (monochorionic/dichorionic; monoamniotic/diamniotic) placenta with the following features:

**Placental maturity:** This is a mature/premature/immature placenta in keeping with \_\_\_\_ weeks gestation. There is placental dysmaturity (Yes/No)

**Placental weight:** \_\_\_\_\_g (\_\_\_\_centile)

**Fetoplacental weight ratio:**

**Placental cord diameter:** \_\_\_\_\_mm

**Placental hypoplasia** (weight <10<sup>th</sup> centile for gestation and/or cord diameter <10<sup>th</sup> centile for gestation or <8 mm diameter at term): Present/Not identified

**Placentomegaly** (weight >90<sup>th</sup> centile for gestation): Present/Not identified

**Placental vascular processes:**

Maternal stromal-vascular lesions: Present/Not identified

Developmental changes: Superficial implantation: Present/Not identified

Changes of maternal malperfusion: Present/Not identified

**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

**Segmental changes:**

**Villous infarct(s):** Present/Not identified

Number:

Site:

Size:

Age:

Recent Established Variable:

Placental involvement: \_\_\_\_\_ %

**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 (>/= 2slides)

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  
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 villitis/Lymphoplasmacytic villitis/Lymphohistiocytic 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

**Other placental pathology:**

Massive perivillous fibrinoid deposition (maternal floor infarction) Present/Not Identified

Abnormal placental shape or umbilical insertion site: Present/Not Identified

Morbidly adherent placentas (accrete): Present/Not Identified

Meconium-associated changes: Present/Not Identified

Increased circulating nucleated red blood cells: Present/Not Identified

Changes of fetal death in utero: Present/Not Identified

Changes suggestive of aneuploidy: Present/Not Identified

Changes suggestive of polyploidy: Present/Not Identified

**Comments:**

**CONCLUSION:**