

# Placental Diagnosis Checklist

Patient: \_\_\_\_\_ Accession #: \_\_\_\_\_

## General Findings

### Umbilical cord

- Three vessel  Two vessel (single umbilical artery)
- Other \_\_\_\_\_
- Meconium histiocytosis
  - Membranes  Cord stromal
  - Amnion necrosis (patchy, diffuse)

### Membrane Findings

- Amnion hyperplasia  papillary  Sq. met.  HK
- Amnion nodosum
- Other \_\_\_\_\_

### Decidual Findings

- Decidual necrosis (patchy, diffuse)
- Chronic deciduitis (plasma cell, lymphocytic)
- Organizing (-ed) thrombosis
  - Retromembranous  retroplacental
- Hemosiderin laden macrophages
- Other \_\_\_\_\_

### Placental Disc

Fetal Weight (F): \_\_\_\_\_ Gestational Age: \_\_\_\_\_  
Placental Wt. (P): \_\_\_\_\_ F:P Ratio: \_\_\_\_\_

### Villous Maturation:

- Appropriate for Gestation (Immature)
- Advanced Maturation:
  - Increased proportion of terminal villi
  - Increased syncytial knot formation  ↑ calcifications
- Atypical villous morphology \_\_\_\_\_
- Villous edema: patchy / diffuse / hydropic villi
- Increased fibrin deposition (perivillous intravillous)
  - Excessive p.v. fibrin (maternal floor infarction)
  - Other \_\_\_\_\_

### Villous Pathology

- Hofbauer Cell Hyperplasia – villous histiocytosis
  - (patchy, diffuse, with pigment changes)
- Chronic villitis
  - undetermined etiology  plasma cell  granulomatous
- Other \_\_\_\_\_
  
- Chorangioma  Chorangioma

## Specific Findings

- Intervillous Thrombosis (focal, multifocal)
  - subamniotic  varied stages of resorption
- Villous infarction (focal, multifocal)  with thrombosis

### Maternal Inflammatory Response

- Acute deciduitis (focal / with thrombosis only)
- Acute choriodeciduitis (membranes and subamniotic disc)
  - minimal  moderate (easily identified)
  - Marked [w/ microabscesses (necrotizing chorioamnionitis)]
- Acute intervillitis (placentitis)

### Fetal Inflammatory Response

- Acute phlebitis (venous vasculitis)
- Acute funisitis
  - With multi-vascular involvement (x2 x3)
  - Necrotizing funisitis
- Acute chorionic vasculitis (focal, multi-vessel)
- Other findings \_\_\_\_\_
- Acute necrotizing villitis (r/o listeria)

### Decidual Vasculopathy (Maternal)

- Atherosclerosis (fibrinoid alteration of spiral art.) (patchy, diffuse)
- Vascular thrombosis
  - Occlusive  partially occlusive  muscular hyperplasia
  - With fibrinoid necrosis (focal, multifocal)
- Other \_\_\_\_\_

### Fetal Vascular Obstruction

#### Distal villous lesions

- Avascular villi (small clusters, large clusters [>20 villi])
- Hemorrhagic endovasculitis (stromal-vascular karyorrhexis)
  - With villous mineralization
  - With hemorrhagic villitis (extravasated RBC's)

#### Large vessel lesions

- Obliterative fetal vasculopathy (stem vessel occlusion)
- Intimal muscular hyperplasia (only if diffuse)
- Thrombosis (non-occlusive occlusive focal multifocal)
  - Recent  Remote (with calcification)
- Atherosclerosis [fibrin cushion] (subendothelial intramuscular)

### Miscellaneous Findings

- Nucleated Fetal Red Blood Cells
  - (present, increased, marked increase)
  - Extramedullary hematopoiesis
- Other \_\_\_\_\_