# AUTOPSY , STANDARD TECHNIQUES, GROSS PATHOLOGY, HISTOPATHOLOGY SECTIONS (FOCUS, FRAGMENTED FETUS)

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**AUTOPSIES PERFORMED BY;**

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**FRAGMENTED FETUS AUTOPSY TEMPLATE.**

**Gross Description/ External Examination.**

The specimen is received fresh and consists of multiple fragments of fetal and placental tissues, decidua and blood (\_\_ x\_\_x\_\_)cm. Four/ other extremities are present (\_\_cm foot length) with/without abnormalities/ other( specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_). There are normal/abnormal apperaring fingers on the hands/ toes on the feet/ other(specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_).Palmar creases are normal/abnormal/other (specify\_\_\_\_\_\_\_\_\_\_\_). The cranium and the face are identified/other. The ear(s) are present/well formedand are not low set/other( specify\_\_\_\_\_\_\_\_\_\_\_\_). Both eyes are present and in normal anatomic configuration/other(specify\_\_\_\_\_\_\_\_\_\_\_\_). The nose is normal and the nares are probe patent/other(specify\_\_\_\_\_\_\_\_\_\_). The mouth is normally formed, without cleft lip, cleft palate or high palatal arch/other (specify\_\_\_\_\_\_\_\_\_\_\_).The neck shows no nuchal thickening or cystic hygroma/other (specify\_\_\_\_\_\_\_\_\_\_\_\_). The external genitalia re tose of a phenotypically normal[ male/female] fetus at this gestational age/other. Portions of grossly unremarkable fetal organs are present/absent: heart, gastrointestinal tract, kidney, skin, etc.

**Cardiovascular System**

The heart (\_\_\_\_g) has all four cardiac chambers and the great vessels are symmetric in size and in normal anatomic configuration/other (specify\_\_\_\_\_\_\_\_\_\_\_). Atrioventricular and semilunar valves are normally formed; no atrial or ventricular septal defects are identified/other (specify\_\_\_\_\_\_\_\_\_\_\_\_\_). The foramen ovale and ductus arteriosus are patent/other (specify\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_).

**Respiratory System.**

The left(\_\_\_\_g) and right(\_\_\_\_g) lungs have 2 and 3 lobes respectively/ other (specify\_\_\_\_\_\_\_\_\_\_\_). Visceral pleural surfaces are smooth and parenchyma is soft and pale red/other( specify\_\_\_\_\_\_\_\_\_\_).

**Gastrointestinal System.**

The stomach is present and does not show atresia into the duodenum/ other (specify\_\_\_\_\_\_\_\_\_\_). The small and large intestines are present/absent/other(specify\_\_\_\_\_\_\_\_\_\_\_\_\_).The vermiform appendix is/is not identified. No atresia or abnormal dilated intestinal segments are seen/other (specify\_\_\_\_\_\_\_\_\_\_\_\_\_).

**Hepatobiliary System**.

The liver is (\_\_\_\_\_g), has an attached gallbladder and umbilical vein that leads into the portal sinus through a patent ductus venous/other(specify\_\_\_\_\_\_\_\_\_\_).

**Genitourinary System.**

The kidneys, right(\_\_\_\_g) and left(\_\_\_\_g), are symmetrical in size and exhibit the expected fetal lobulation/other (specify\_\_\_\_\_\_\_\_\_). On cut surface they are non-cystic and the ureters are non-dilated/other( specify\_\_\_\_\_\_\_\_\_\_\_\_).

**For Males;**

The prostrate is present an unremarkable/other(specify\_\_\_\_\_\_\_\_). The gonads are/ are not identified. One testicles/both testicles are identified and appear normally formed/other (specify\_\_\_\_\_\_\_\_\_\_\_).

**For Females**;

The uterus is normal in shape /other( specify\_\_\_\_\_\_\_\_).The fallopian tubes are present/other(specify\_\_\_\_\_\_\_\_\_\_). One/both ovary(ies) is/are identified and appear(s) normal/other.

**Endocrine System.**

The pituitary(\_\_\_\_g)is present in the sella/other(specify\_\_\_\_\_\_\_\_\_). The thyroid(\_\_\_g) is identified and symmetrical/other(specify\_\_\_\_\_\_\_\_\_\_). The adrenal glands, left(\_\_\_g) and right(\_\_\_g), are identified at the superior poles of the kidneys/other(specify\_\_\_\_\_\_\_\_\_\_\_).They appear of expected triangular shape and on the cut surface are compressed predominantly of fetal cortex/other (specify\_\_\_\_\_\_\_\_\_\_).

**Lymphoproliferative System.**

The thymus(\_\_\_g) is identified and consists of soft, lobulated parenchyma/other(specify\_\_\_\_\_\_\_\_\_\_\_). A single spleen(\_\_\_g) is identified/other (specify\_\_\_\_\_\_\_\_\_\_).

**DIAGNOSIS.**

* Phenotypically( males/female) fetus,\_\_\_ weeks’ gestation (\_\_\_\_cm foot length; mean for \_\_\_weeks \_\_\_+\_\_\_cm).
* No gross anomalies identified, but examination limited by fragmentation.
* Multiple anomalies include:

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Organs examined microscopically(eg kidney, liver, lung) appear unremarkable for gestational age.
* The following organs are abnormal microscopically (list anomalies)

1. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
2. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
3. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
4. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
5. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_
6. \_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_\_

* Ancillary testing :karyotype, radiographs, cultures
* Placenta: immature chorionic villi, umbilical cord, extraplacental membranes, chorionic plate, decidua and implantation site noted.