MicroCT E18.5 IMPC_EMA_002

Purpose

To assess morphological defects in E18.5 embryos from lethal or subviable strains with MicroCT.

Experimental Design

- Set up timed matings with heterozygous mice
- Day 0 is defined as the midpoint of the prior dark cycle following the identification of a copulation plug.
- Collect embryos at E18.5 with 3 minimum homozygous and 1 littermate control
- Ensure embryos are bleed as much as possible.
- Reconstruct the scans according to manufacturer's instructions.

Procedure

1. **Set up timed mating with heterozygous animals. Dissect and collect >=3 homozygote embryos.**
2. **Process the embryos using the centre's staining and embedding protocol . Centre-specific methods are recorded within a document**
3. **Scan and generate reconstructions of embryos.**

Notes

Embryos may be processed for Histopathology.

Parameters and Metadata

Embryo reconstruction IMPC_EMA_001_001 | v1.1

seriesMediaParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Increments: Minimum 1

Experimenter ID IMPC_EMA_002_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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Equipment ID IMPC_EMA_003_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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Equipment Manufacturer IMPC_EMA_004_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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Equipment Model IMPC_EMA_005_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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Equipment Version IMPC_EMA_006_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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Image Pixel Size IMPC_EMA_007_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Unit Measured: µm

E18.5 MicroCT Preparation protocol IMPC_EMA_008_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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Date equipment last calibrated IMPC_EMA_009_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** false **Is Annotated:** false

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Date of Sacrifice IMPC_EMA_010_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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Date Preparation Finished IMPC_EMA_011_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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Date of Scan IMPC_EMA_012_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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Source Voltage IMPC_EMA_013_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Unit Measured: kV

Source Current IMPC_EMA_014_001 | v1.1

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Unit Measured: uA

Object to Source IMPC_EMA_015_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Unit Measured: mm

Camera to Source IMPC_EMA_016_001 | v1.1

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

Unit Measured: mm

Screenshots IMPC_EMA_017_001 | v1.1

seriesMediaParameter

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Increments: Minimum 1

Limb digits IMPC_EMA_018_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Tail IMPC_EMA_019_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Limbs IMPC_EMA_020_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Pinna IMPC_EMA_021_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Vibrissa IMPC_EMA_022_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Edema IMPC_EMA_023_001 | v1.0

simpleParameter

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Options: yes, no, unobservable,

Embryo size IMPC_EMA_024_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Spinal Cord IMPC_EMA_025_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Spine curvature IMPC_EMA_026_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Craniofacial morphology IMPC_EMA_027_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Hindbrain subarachnoid space IMPC_EMA_028_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Midbrain roof plate IMPC_EMA_029_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Midbrain IMPC_EMA_030_001 | v1.0

simpleParameter

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Cerebellum IMPC_EMA_031_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Cerebral cortex IMPC_EMA_032_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Thalamus IMPC_EMA_033_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Corpus striatum IMPC_EMA_034_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Hippocampus IMPC_EMA_035_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Hypothalamus IMPC_EMA_036_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Pineal gland IMPC_EMA_037_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Pons IMPC_EMA_038_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Medulla oblongata IMPC_EMA_039_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Lateral ventricles IMPC_EMA_040_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Lateral ventricle choroid plexus IMPC_EMA_041_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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4th ventricle choroid plexus IMPC_EMA_042_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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4th Ventricle IMPC_EMA_043_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Cerebral aqueduct IMPC_EMA_044_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Median sulcus IMPC_EMA_045_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

3rd ventricle IMPC_EMA_046_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Olfactory lobe IMPC_EMA_047_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Trigeminal ganglion IMPC_EMA_048_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Pituitary gland IMPC_EMA_049_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Spinal cord cervical region IMPC_EMA_050_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Dorsal root ganglion IMPC_EMA_051_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Cochlea IMPC_EMA_052_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Nasal septum IMPC_EMA_053_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Nasal cavity IMPC_EMA_054_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Nasopharynx IMPC_EMA_055_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Vomeronasal organ IMPC_EMA_056_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Oropharynx IMPC_EMA_057_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Oral cavity IMPC_EMA_058_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Optic nerve IMPC_EMA_059_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Intraretinal space IMPC_EMA_060_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Hyaloid cavity IMPC_EMA_061_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Cornea IMPC_EMA_062_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Lens IMPC_EMA_063_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Eyelids IMPC_EMA_064_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Temporal bone IMPC_EMA_065_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Pharyngo-tympanic tube IMPC_EMA_066_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Palate IMPC_EMA_067_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Epiglottis IMPC_EMA_068_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Tongue IMPC_EMA_069_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Mandible IMPC_EMA_070_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Lower jaw molar IMPC_EMA_071_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Upper jaw molar IMPC_EMA_072_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Sphenoid bone IMPC_EMA_073_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Thyroid gland IMPC_EMA_074_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Submandibular gland IMPC_EMA_075_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Brown fat IMPC_EMA_076_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Vertebrae IMPC_EMA_077_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Esophagus IMPC_EMA_078_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Clavicle IMPC_EMA_079_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Scapula IMPC_EMA_080_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Ulna IMPC_EMA_081_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Humerus IMPC_EMA_082_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Arytenoid cartilage IMPC_EMA_083_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Cricoid cartilage IMPC_EMA_084_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Trachea IMPC_EMA_085_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Carotid artery IMPC_EMA_086_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Thymus IMPC_EMA_087_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Sternum IMPC_EMA_088_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Rib IMPC_EMA_089_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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T1 rib IMPC_EMA_090_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Vena cava IMPC_EMA_091_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Inferior vena cava IMPC_EMA_092_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Superior vena cava IMPC_EMA_093_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Jugular vein IMPC_EMA_094_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Ductus arteriosus IMPC_EMA_095_001 | v1.0

simpleParameter

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Pulmonary valve IMPC_EMA_096_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Pulmonary trunk IMPC_EMA_097_001 | v1.0

simpleParameter

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Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Dorsal aorta IMPC_EMA_098_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Ductus venosus IMPC_EMA_099_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Aorta IMPC_EMA_100_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Aortic valve IMPC_EMA_101_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Heart atrium IMPC_EMA_102_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Heart ventricle IMPC_EMA_103_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Tricuspid valve IMPC_EMA_104_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Mitral valve IMPC_EMA_105_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Interventricular septum IMPC_EMA_106_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Pericardial cavity IMPC_EMA_107_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Pericardium IMPC_EMA_108_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Main bronchus IMPC_EMA_109_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Bronchus IMPC_EMA_110_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Right lung cranial lobe IMPC_EMA_111_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Right lung middle lobe IMPC_EMA_112_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Right lung caudal lobe IMPC_EMA_113_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Right lung accessory lobe IMPC_EMA_114_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Left lung IMPC_EMA_115_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Diaphragm IMPC_EMA_116_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Peritoneal cavity IMPC_EMA_117_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Liver IMPC_EMA_118_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Liver left lobe IMPC_EMA_119_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Liver right lobe IMPC_EMA_120_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Liver caudate lobe IMPC_EMA_121_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Gallbladder IMPC_EMA_122_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Liver lobar interzone IMPC_EMA_123_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Pancreas IMPC_EMA_124_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Stomach IMPC_EMA_125_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Pyloric antrum IMPC_EMA_126_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Stomach fundus IMPC_EMA_127_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

---

Stomach lumen IMPC_EMA_128_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

---

Small intestine IMPC_EMA_129_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

---

Hindgut IMPC_EMA_130_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

---

Midgut IMPC_EMA_131_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

---

Hip joint IMPC_EMA_132_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

---

Femur IMPC_EMA_133_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Fibula IMPC_EMA_134_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

---

Tibia IMPC_EMA_135_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

---

Adrenal gland IMPC_EMA_136_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Kidney IMPC_EMA_137_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Renal calyx IMPC_EMA_138_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Bladder IMPC_EMA_139_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Rectum IMPC_EMA_140_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Spleen IMPC_EMA_141_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Ovary IMPC_EMA_142_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Testes IMPC_EMA_143_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** true **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Penis IMPC_EMA_144_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Circumventricular organ IMPC_EMA_145_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

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Hyoid IMPC_EMA_146_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: present, absent, abnormal, unobservable, ambiguous, imageOnly,

Severely dysmorphic IMPC_EMA_147_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: yes, no, unobservable,

Delayed embryonic development IMPC_EMA_148_001 | v1.0

simpleParameter

Req. Analysis: false **Req. Upload:** false **Is Annotated:** true

Options: yes, no, unobservable,

Annotator ID IMPC_EMA_149_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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Date of Annotation IMPC_EMA_150_001 | v1.0

procedureMetadata

Req. Analysis: false **Req. Upload:** true **Is Annotated:** false

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