

# ALTERNATIVE - Gross Morphology Embryo E18.5 ALTIMPC\_GEP\_002

## Parameters and Metadata

### ALTERNATIVE - Alive ALTIMPC\_GEP\_001\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - alive

Options: yes, no,

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### ALTERNATIVE - Scored ALTIMPC\_GEP\_002\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - scored

Options: yes, no,

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### ALTERNATIVE - Behavior/neurological ALTIMPC\_GEP\_003\_001 |

v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - behavior\_neurological

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Cardiovascular System** ALTIMPC\_GEP\_006\_001

| v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - cardiovascular\_system

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Cardiovascular Development** ALTIMPC\_GEP\_0

07\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - cardiovascular\_development

**Options:** normal, abnormal, unobservable,

---

## ALTERNATIVE - Heart Development ALTIMPC\_GEP\_008\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - heart\_development

Options: normal, abnormal, unobservable,

---

## ALTERNATIVE - Outflow tract development ALTIMPC\_GEP\_009\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - outflow\_tract\_development

Options: normal, abnormal, unobservable,

---

## ALTERNATIVE - Heart Morphology ALTIMPC\_GEP\_010\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - heart\_morphology

Options: normal, abnormal, unobservable,

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## **ALTERNATIVE - Blood Vessel Morphology** ALTIMPC\_GEP\_013\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - blood\_vessel\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Craniofacial** ALTIMPC\_GEP\_014\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - craniofacial

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Head shape** ALTIMPC\_GEP\_015\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - head\_shape

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Head size** ALTIMPC\_GEP\_016\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - head\_size

**Options:** normal, abnormal, unobservable,

---

## **ALTERNATIVE - Facial Morphology** ALTIMPC\_GEP\_017\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - facial\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Digestive/alimentary** ALTIMPC\_GEP\_020\_001 | v1.

0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - digestive\_alimentary

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Digestive System Morphology** ALTIMPC\_GEP\_021\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - digestive\_system\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Embryo Size** ALTIMPC\_GEP\_022\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - embryo\_size

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Embryo weight** ALTIMPC\_GEP\_023\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - embryo\_weight

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## **ALTERNATIVE - Body wall morphology** ALTIMPC\_GEP\_024\_001 |

v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - body\_wall\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Hearing/Vestibular/Ear** ALTIMPC\_GEP\_025\_001 |

v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - hearing\_vestibular\_ear

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Outer ear morpholgy** ALTIMPC\_GEP\_026\_001 | v1

.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - outer\_ear\_morpholgy

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Ear Development** ALTIMPC\_GEP\_027\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - ear\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Homeostasis/metabolism** ALTIMPC\_GEP\_028\_0

01 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - homeostasis\_metabolism

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Integument** ALTIMPC\_GEP\_032\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - integument

**Options:** normal, abnormal, unobservable,

---

## **ALTERNATIVE - Vibrissa Morphology** ALTIMPC\_GEP\_033\_001 | v1

.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - vibrissa\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Skin Appearance** ALTIMPC\_GEP\_034\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - skin\_appearance

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Skin Coloration** ALTIMPC\_GEP\_036\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - skin\_coloration

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Limb Morphology** ALTIMPC\_GEP\_037\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - limb\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Tail Morphology** ALTIMPC\_GEP\_038\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - tail\_morphology

**Options:** normal, abnormal, unobservable,

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## ALTERNATIVE - Liver/Biliary ALTIMPC\_GEP\_040\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - liver\_biliary

Options: normal, abnormal, unobservable,

---

## ALTERNATIVE - Liver Morphology ALTIMPC\_GEP\_041\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - liver\_morphology

Options: normal, abnormal, unobservable,

---

## ALTERNATIVE - Liver Size ALTIMPC\_GEP\_042\_001 | v1.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - liver\_size

Options: normal, abnormal, unobservable,

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## **ALTERNATIVE - Muscle** ALTIMPC\_GEP\_043\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - muscle

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Diaphragm Morphology** ALTIMPC\_GEP\_044\_001

| v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - diaphragm\_morphology

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Nervous System** ALTIMPC\_GEP\_045\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - nervous\_system

**Options:** normal, abnormal, unobservable,

---

## **ALTERNATIVE - Brain Development** ALTIMPC\_GEP\_046\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - brain\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Renal/Urinary** ALTIMPC\_GEP\_050\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - renal\_urinary

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Kidney** ALTIMPC\_GEP\_051\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - kidney

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Respiratory System** ALTIMPC\_GEP\_052\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - respiratory\_system

**Options:** normal, abnormal, unobservable,

---

## **ALTERNATIVE - Lung Morphology** ALTIMPC\_GEP\_053\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - lung\_morphology

**Options:** normal, abnormal, unobservable,

---

## **ALTERNATIVE - Lung Development** ALTIMPC\_GEP\_054\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - lung\_development

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Vision/Eye** ALTIMPC\_GEP\_056\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - vision\_eye

**Options:** normal, abnormal, unobservable,

---

## **ALTERNATIVE - Eye Morphology** ALTIMPC\_GEP\_057\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - eye\_morphology

**Options:** normal, abnormal, unobservable,

---

## **ALTERNATIVE - Eye Size** ALTIMPC\_GEP\_058\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - eye\_size

**Options:** normal, abnormal, unobservable,

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## **ALTERNATIVE - Number of cervical vertebrae** ALTIMPC\_GEP\_062\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - number\_of\_cervical\_vertebrae

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## **ALTERNATIVE - Comment on image** ALTIMPC\_GEP\_063\_001 | v1.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - comment\_on\_image

---

## **ALTERNATIVE - Images** ALTIMPC\_GEP\_064\_001 | v1.0

seriesMediaParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - images

**Increments:** Minimum 1



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## **ALTERNATIVE - Experimenter ID** ALTIMPC\_GEP\_065\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - experimenter\_id

---

## **ALTERNATIVE - Equipment ID** ALTIMPC\_GEP\_066\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - equipment\_id

---

## **ALTERNATIVE - Equipment Manufacturer** ALTIMPC\_GEP\_067\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - equipment\_manufacturer

---

## **ALTERNATIVE - Equipment Model** ALTIMPC\_GEP\_068\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - equipment\_model

---

## **ALTERNATIVE - Fixative** ALTIMPC\_GEP\_069\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - fixative

---

## **ALTERNATIVE - Time of Dissection** ALTIMPC\_GEP\_070\_001 | v1.0

procedureMetadata

**Req. Analysis:** false

**Req. Upload:** true

**Is Annotated:** false

**Description:** ALTERNATIVE - time\_of\_dissection

---

## **ALTERNATIVE - Somite Stage** ALTIMPC\_GEP\_071\_001 | v1.1

procedureMetadata

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - somite\_stage

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## **ALTERNATIVE - Time of dark cycle start** ALTIMPC\_GEP\_072\_001

| v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - time\_of\_dark\_cycle\_start

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## **ALTERNATIVE - Time of dark cycle end** ALTIMPC\_GEP\_073\_001 |

v1.0

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: true

Is Annotated: false

Description: ALTERNATIVE - time\_of\_dark\_cycle\_end

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## **ALTERNATIVE - Date equipment last calibrated** ALTIMPC\_GEP

\_074\_001 | v1.1

[procedureMetadata](#)

Req. Analysis: false

Req. Upload: false

Is Annotated: false

**Description:** ALTERNATIVE - date\_equipment\_last\_calibrated

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## **ALTERNATIVE - Spontaneous movement** ALTIMPC\_GEP\_004\_002

| v2.2

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - no\_spontaneous\_movement

**Options:** yes, unobservable, no,

---

## **ALTERNATIVE - Responsive to tactile stimuli** ALTIMPC\_GEP\_0

05\_002 | v2.2

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - unresponsive\_to\_tactile\_stimuli

**Options:** yes, unobservable, no,

---

## **ALTERNATIVE - Hemorrhage** ALTIMPC\_GEP\_011\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - hemorrhage

Options: yes, unobservable, no,

---

## **ALTERNATIVE - Skin Hemorrhage** ALTIMPC\_GEP\_012\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - skin\_hemorrhage

Options: yes, unobservable, no,

---

## **ALTERNATIVE - Facial Cleft** ALTIMPC\_GEP\_018\_002 | v2.0

simpleParameter

Req. Analysis: false

Req. Upload: false

Is Annotated: false

Description: ALTERNATIVE - facial\_cleft

Options: yes, unobservable, no,

---

## **ALTERNATIVE - Cleft Palate** ALTIMPC\_GEP\_019\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - cleft\_palate

**Options:** yes, unobservable, no,

---

## **ALTERNATIVE - Cyanosis** ALTIMPC\_GEP\_029\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - cyanosis

**Options:** yes, unobservable, no,

---

## **ALTERNATIVE - Edema** ALTIMPC\_GEP\_030\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - edema

**Options:** yes, unobservable, no,

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## **ALTERNATIVE - Hydrops fetalis (fetal adema)** ALTIMPC\_GEP\_0

31\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - hydrops\_fetalis\_fetal\_adema

**Options:** yes, unobservable, no,

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## **ALTERNATIVE - Pallor** ALTIMPC\_GEP\_035\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - pallor

**Options:** yes, unobservable, no,

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## **ALTERNATIVE - Polydactyly** ALTIMPC\_GEP\_039\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - polydactyly

**Options:** yes, unobservable, no,

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## **ALTERNATIVE - Exencephaly** ALTIMPC\_GEP\_047\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - exencephaly

**Options:** yes, unobservable, no,

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## **ALTERNATIVE - Holoprosencephaly** ALTIMPC\_GEP\_048\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - holoprosencephaly

**Options:** yes, unobservable, no,

---

## **ALTERNATIVE - spina bifida** ALTIMPC\_GEP\_049\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - spina\_bifida

**Options:** yes, unobservable, no,

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## **ALTERNATIVE - Respiratory Failure** ALTIMPC\_GEP\_055\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - respiratory\_failure

**Options:** yes, unobservable, no,

---

## **ALTERNATIVE - Microphthalmia** ALTIMPC\_GEP\_059\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - microphthalmia

**Options:** yes, unobservable, no,

---

## **ALTERNATIVE - Anophthalmia** ALTIMPC\_GEP\_060\_002 | v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - anophthalmia

**Options:** yes, unobservable, no,

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## **ALTERNATIVE - Failure of Eyelid Fusion** ALTIMPC\_GEP\_061\_002

| v2.0

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - failure\_of\_eyelid\_fusion

**Options:** yes, unobservable, no,

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## **ALTERNATIVE - Severely Dysmorphic** ALTIMPC\_GEP\_075\_001 | v1

.2

simpleParameter

**Req. Analysis:** false

**Req. Upload:** false

**Is Annotated:** false

**Description:** ALTERNATIVE - null

**Options:** no, yes, unobservable,

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