

## 組織発生（組織形成）

### 外胚葉

#### 表皮

単層立方上皮

重層立方上皮

周皮

固有表皮

重層扁平上皮

角化

派生物

#### 神経管上皮 [神経外胚葉]

上衣芽細胞

(神経)膠芽細胞

グリア芽細胞

髄鞘形成《膠芽細胞の》

神経芽細胞

無極神経芽細胞

単極神経芽細胞

双極神経芽細胞

多極神経芽細胞

突起形成

樹状化

成長円錐

#### 神経堤組織 [外中胚葉]

神経堤分節

脳脊髄神経節

自律神経節

神経芽細胞

クロム親性芽細胞

大動脈傍体

神経鞘芽細胞

髄鞘形成

神経節グリア芽細胞

メラニン芽細胞

頭部の間葉

軟骨芽細胞

ソウゲ芽細胞

感覚上皮

神経ブラコード

収縮性上皮

筋上皮

瞳孔括約筋

瞳孔散大筋

腺上皮

## HISTOGENESIS

### Ectoderma

#### Epidermis

Epithelium simplex cuboidale

Epithelium stratificatum cuboidale

Periderma

Epidermis propria

Epithelium stratificatum squamosum

Cornificatio

Derivatio

#### Epithelium tubi neuralis [Neuroectoderma]

Ependymoblasti

Spongioblasti

Glioblasti

Myelinisatio

Neuroblasti

Neuroblasti apolares

Neuroblasti unipolares

Neuroblasti bipolares

Neuroblasti multipolares

Processificatio

Dendrificatio

Coni augmentales

#### Textus cristae neuralis [Mesectoderma]

Segmenta cristae neuralis

Ganglia craniospinalia

Ganglia autonómica

Neuroblasti

Chromaffinoblasti

Corpora para-aortica

Neurolemmoblasti

Myelinisatio

Glioblasti ganglionici

Melanoblasti

Mesenchyma capitis

Chondroblasti

Odontoblasti<sup>10</sup>

Epithelium sensorium

Placodae neurales

Epithelium contractile

Myoepithelium

M. sphincter pupillae

M. dilatator pupillae

Epithelium glandulare

## HISTOGENESIS

### ectoderm

#### epidermis

simple cuboidal epithelium

stratified cuboidal epithelium

periderm

proper epidermis

stratified squamous epithelium

keratinization

derivative

#### neural tube epithelium [neuroectoderm]

ependymoblasts

neuroglioblasts, spongioblasts

glioblasts

myelination

neuroblasts

apolar neuroblasts

unipolar neuroblasts

bipolar neuroblasts

multipolar neuroblasts

process formation

dendrite formation

augmentative cone

#### neural crest tissue [ectomesoderm]

neural crest segments

craniospinal (cerebrospinal) ganglion

autonomic ganglion

neuroblasts

chromaffinoblasts

paraortic body

neurolemmoblasts

myelination

ganglionic glioblasts

melanoblasts

cephalic mesenchyme

chondroblasts

odontoblasts

sensory epithelium

neural placodes

contractile epithelium

myoepithelium

pupillary sphincter muscle

pupillary dilator muscle

glandular epithelium

(10) ソウゲ芽細胞は、神経堤由来の細胞であることが実験的に明らかにされている。

口窩上皮  
エナメル芽細胞  
唾液腺 [口腔腺]  
肛門窩上皮  
肛門傍洞芽 (食肉類)

Epithelium stomodeale [-daeale]  
Ameloblasti  
Glandulae salivariae  
Epithelium proctodeale [-daeale]  
Gemma sinus paranasalis (Car)

stomodeal epithelium, oral epithelium  
ameloblasts  
salivary glands  
proctodeal epithelium  
paraanal sinus bud

## 中胚葉

内皮  
中皮  
中胚葉性上皮  
腺上皮  
類上皮組織 [上皮様組織]

## Mesoderma

Endothelium  
Mesothelium  
Epithelium mesodermale  
Epithelium glandulare  
Textus epithelioideus<sup>(11)</sup>

## mesoderm

endothelium  
mesothelium  
mesodermal epithelium  
glandular epithelium  
epithelioid tissue

間葉  
血管芽細胞  
造血組織  
血島  
骨髓組織 [髄様組織]

Mesenchyma  
Angioblasti  
Textus hemopoeticus [haemopoeticus]  
Insulae sanguineae  
Textus myeloideus

(11) 類上皮組織。副腎皮質; 生殖巣の実質。

血球芽細胞 [血芽球]  
リンパ組織  
リンパ芽球  
線維芽細胞  
(細)線維形成

Hemocytoblasti [Haemocytoblasti]  
Textus lymphoideus  
Lymphoblasti  
Fibroblasti  
Fibrillogenesis

mesenchyme  
angioblasts  
hemopoietic tissue  
blood islands  
bone marrow tissue, myeloid tissue  
hemocytoblasts  
lymph tissue  
lymphoblasts

脂肪芽細胞  
軟骨芽細胞  
骨芽細胞  
類骨質 [骨様質]

Lipoblasti  
Chondroblasti  
Osteoblasti  
Substantia osteoidea

lymphoblasts  
fibroblasts  
fibrillogenesis  
lipoblasts  
chondroblasts  
osteoblasts  
osteoid substance  
osteoclasts  
cementoblasts  
myoblasts

破骨細胞  
セメント芽細胞

Osteoclasti  
Cementoblasti

myoblasts

筋芽細胞  
筋細線維形成  
単核期  
平滑筋  
心筋

Myoblasti  
Myofibrillogenesis  
Status mononuclearis  
Musculus nonstriatus  
Musculus cardiacus

myofibrillogenesis  
mononuclear state  
smooth muscle  
cardiac muscle

骨格筋  
多核期

Musculus skeletalis  
Status multinuclearis

skeletal muscle  
multinuclear state

骨格筋  
筋細管

Musculus skeletalis  
Myotubuli

skeletal muscle  
myotubules

心臓刺激伝導組織  
伝導心筋線維  
心臓 (刺激伝導) 結節

Textus conducens cardiacus  
Myofibra conducens  
Nodus cardiacus

cardiac impulse conducting tissue  
conducting myofibers  
cardiac node

造腎 (組織) 索  
尿管  
移行上皮

Chorda nephrogenica  
Tubuli renales  
Epithelium transitionale

nephrogenic cord  
rena (l uriniferous) tubules  
transitional epithelium

## 内胚葉

線毛上皮

腺上皮

單層上皮

扁平上皮

立方上皮

圓柱上皮

偽重層上皮 [多列上皮]

重層上皮

扁平上皮

角化上皮

非角化上皮

移行上皮

神經感覺上皮細胞

原始 [始原] 生殖細胞

## Endoderma

Epithelium ciliatum

Epithelium glandulare

Epithelium simplex

Epithelium squamosum

Epithelium cuboidale

Epithelium columnare

Epithelium pseudostratificatum

Epithelium stratificatum

Epithelium squamosum

Epithelium cornificatum

Epithelium noncornificatum

Epithelium transitionale

Epitheliocytus neurosensorius

Cellulae germinales primordiales

## endoderm

ciliated epithelium

glandular epithelium

simple epithelium

squamous epithelium

cuboidal epithelium

columnar epithelium

pseudostratified epithelium

stratified epithelium

squamous epithelium

cornificated epithelium

noncornificated epithelium

transitional epithelium

neurosensory epithelial cell

primordial germ cells