**Department of histology and embryology LF MU Brno SLIDES IN BOX**

|  |  |  |  |
| --- | --- | --- | --- |
| **1** | **Labium oris (HE)** | **51** | **Labium minus (HE)** |
| **2** | **Apex linguae (HE)** | **52** | **Hypophysis cerebri (HE)** |
| **3** | **Papilla circumvallata (HE)** | **53** | **Epiphysis (HE)** |
| **4** | **Tonsilla lingualis (HE)** | **54** | **Glandula thyreoidea (HE)** |
| **5** | **Palatum molle (HE** | **55** | **Glandula parathyreoidea (HE)** |
| **6** | **Tonsilla palatina (HE)** | **56** | **Corpus suprarenale (HE)** |
| **7** | **Tooth (HE)** | **57** | **Thymus (young) (HE)** |
| **8** | **Glandula parotis (HE)** | **58** | **Thymus (involution) (HE)** |
| **9** | **Glandula submandibularis (HE)** | **59** | **Muscle artery and vein (HE)** |
| **10** | **Glandula sublingualis (HE)** | **60** | **Muscle artery and vein (orcein** |
| **11** | **Oesophagus (HE)** | **61** | **Aorta (HE)** |
| **12** | **Cardia (HE)** | **62** | **Aorta (orcein)** |
| **13** | **Fundus ventriculi (HE)** | **63** | **Vena cava (HE)** |
| **14** | **Pylorus (HE)** | **64** | **Myocardium (HE)** |
| **15** | **Duodenum (HE)** | **65** | **Myocardium (Heidenhein)** |
| **16** | **Intestinum tenue (HE)** | **66** | **Lymphonodus (HE)** |
| **17** | **Intestinum crassum (HE)** | **67** | **Lien (HE)** |
| **18** | **Appendix (HE)** | **68** | **Lien (impregnation)** |
| **19** | **Anus (HE)** | **69** | **Skin from the top of finger (HE)** |
| **20** | **Hepar (HE)** | **70** | **Skin from the axilla (HE)** |
| **21** | **Hepar (Azan)** | **71** | **Skin with hair (HE)** |
| **22** | **Vesica fellea (HE)** | **72** | **Nail (HE)** |
| **23** | **Pancreas (HE)** | **73** | **Mamma non lactans (HE)** |
| **24** | **Concha nasi (HE)** | **74** | **Mamma lactans (HE)** |
| **25** | **Epiglottis (HE)** | **75** | **Cortex cerebri (HE)** |
| **26** | **Larynx (HE)** | **76** | **Cortex cerebri (impregnation)** |
| **27** | **Trachea (HE)** | **77** | **Cerebellum (impregnation)** |
| **28** | **Elastic cartilage (orcein)** | **78** | **Cerebellum (Nissl)** |
| **29** | **Pulmo (HE)** | **79** | **Medulla spinalis (HE)** |
| **30** | **Ren (HE)** | **80** | **Plexus choroideus (HE)** |
| **31** | **Ren (Weigert-van Gieson)** | **81** | **Ganglion spinale (HE)** |
| **32** | **Calyx renalis (HE)** | **82** | **Ganglion spinale (impregnation)** |
| **33** | **Ureter (HE)** | **83** | **Autonomic ganglion (HE)** |
| **34** | **Vesica urinalis (HE)** | **84** | **Peripheral nerve – cross section (HE)** |
| **35** | **Urethra feminina (HE)** | **85** | **Peripheral nerve – cross section (myelin)** |
| **36** | **Testis (HE)** | **86** | **Peripheral nerve – longit. section (HE)** |
| **37** | **Epididymis (HE)** | **87** | **Peripheral nerve – longit. section (myelin)** |
| **38** | **Funiculus spermaticus (HE)** | **88** | **Anterior segment of the eye (HE)** |
| **39** | **Vesicula seminalis (HE)** | **89** | **Posterior segment of the eye (HE)** |
| **40** | **Prostata (HE, Azan)** | **90** | **Fasciculus opticus (HE)** |
| **41** | **Penis (HE, HES)** | **91** | **Palpebra (HE)** |
| **42** | **Ovarium (human, monkey) (HE)** | **92** | **Glandula lacrimalis (HE)** |
| **43** | **Ovarium (cat) (HE)** | **93** | **Cochlea (HE)** |
| **44** | **Corpus luteum (HE)** | **94** | **Auricle (HE, HES)** |
| **45** | **Tuba uterina – ampulla (HE)** | **95** | **Bone (Schmorl)** |
| **46** | **Tuba uterina – isthmus (HE)** | **96** | **Ossification (HE)** |
| **47** | **Uterus – proliferative phase (HE)** | **97** | **-----------** |
| **48** | **Uterus – secretory phase (HE)** | **98** | **-----------** |
| **49** | **Vagina – glykogen (Best´s carmine)** | **99** | **Umbilical cord (HE, Azan)** |
| **50** | **Vagina (HE)** | **100** | **Placenta (HE)** |

**Department of histology and embryology LF MU Brno ATLAS EM – LIST OF PAGES**

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**Department of histology and embryology LF MU Brno ATLAS EM - DESCRIPTIONS**

|  |  |
| --- | --- |
| **1** | Oocyte (1), zona pellucida (2), follicular cells (3), fibrocyte (4), blood vesel (5) |
| **2** | Cell nucleus: euchromatin (1), heterochromatin (2), nucleolus (→) |
| **3** | Nucleus of nerve cell with euchromatin: nuclear envelope with numerous pores (→) |
| **4** | Inner (1) and outer (2) membrane of nuclear envelope; nuclear pore (→) (*freeze fracture*) |
| **5** | Aktive nucleolus: fibrilar center (\*), pars fibrosa (→), pars granulosa (⇒) |
| **6** | Nucleolus with predominant pars granulosa (⇒); pars fibrosa (→) |
| **7** | Ring-shaped nucleolus |
| **8** | Mitochondrion: cristae (⇒), matrix (\*), mitochondrial granule (→) |
| **9** | GA: cisterna (→), immature secretory granules (\*), granular endoplasmic reticulum with transport vesicles (❄) |
| **10** | GA: dictiosome (1), lysosomes (2) |
| **11** | Dictiosomes located near the nukleus(J); detection of acid phosphatase (→) |
| **12** | Secondary lysosomes; detection of acid phosphatase (→) in some of them. |
| **13** | Autophagic vakuole (⇒), α-granules of glykogen (→) |
| **14** | Cisternae of rough endoplasmic reticulum (1), tubules and vesicles of smooth endoplasmic reticulum (\*) |
| **15** | Granular endoplasmic reticulum; detection of glukoso-6-phosphatase |
| **16** | Glandular cell: rough endoplasmic reticulum (1), Golgi apparatus (2), secretory granules (3) |
| **17** | Peroxisomes: matrix (1), nucleoid (2); α-granules of glykogen (→) |
| **18** | Peroxisome (→) with nucleoid of cristalline structure |
| **19** | Microperoxisomes (1) and peroxisomes (2) - detection of catalse |
| **20** | Gross section through the centriole |
| **21** | Longitudinal section through the centriole; satelite structure (→), microtubule (\*) |
| **22** | β-granules of glykogen (→) in cardiomyocyte |
| **23** | Lipid droplets (1) in steroidogenic cell, mitochondria with tubular cristae (2), vesicles of smooth endoplasmic reticulum (\*) |
| **24** | Desmosomes (1), bundles of tonofilaments (2) |
| **25** | Nexus (→←) |
| **26** | Free surface of ciliated epithelium; junctional complex: zonula occludens (→), zonula adherens (⇒), macula adherens (\*) |
| **27** | Free surface of epithelium with irregular microvilli: detection of alkaline phosphatase (→) |
| **28** | Striated border on the surface of enterocytes; zonula occludens (1), zonula adherens (2) |
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| **34** | Neutrophilic granulocyte with granules (1) and phagosomes (2); segment of nucleus (3) |
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| **36** | Necrosis (a way of cell death): disintergrated nucleus (J), rests of organelles in destroyed cytoplasm (→) |
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| **38** | Eosinophilic granulocyte with two-segmented nucleus and speciphic granules (→) |
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| **40** | Medium-sized lymphocyte |
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