

SOURCES

CARDIOVASCULAR

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IMAGES

CARDIOVASCULAR

ACUTE CORONARY SYNDROMES

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ANEURYSMS & DISSECTION

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CARDIAC TUMORS

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CYANOTIC DEFECTS

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HEART VALVE DISEASE

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HYPERTENSION & HYPOTENSION

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LYMPHATIC DYSFUNCTION

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PERICARDIAL DISEASE

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PERIPHERAL ARTERY DISEASE

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15.3 - Atherosclerosis, aorta, gross pathology PHIL 846 lores by Patho is public domain (https://commons.wikimedia.org/wiki/File:Atherosclerosis_aorta_gross_pathology_PHIL_846_lores.jpg)

15.4 - Atherosclerosis, HE 2 by Patho is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Atherosclerosis_HE_2.JPG)

SUDDEN CARDIAC DEATH

19.3 - Cardiac myofiberbreak-up -- very high mag by Nephron is licensed by CC BY-SA 3.0 (https://en.wikipedia.org/wiki/Ventricular_fibrillation#/media/File:Cardiac_myofiberbreak-up_--_very_high_mag.jpg)

VASCULAR MALFORMATIONS

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22.5 - Capillary haemangioma by Zeimusu is public domain (https://commons.wikimedia.org/wiki/File:Capillary_haemangioma.jpg)

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VASCULAR TUMORS

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24.4 - Glomus tumour - very high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Glomus_tumour_-_very_high_mag.jpg)

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VASCULITIS

25.1 - Behcets disease by Ahmet Altiner MD, Rajni Mandal MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Behcets_disease.jpg)

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25.6 - Henoch-schonlein-purpura by Madhero88 is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:Henoch-schonlein-purpura.jpg>)

VENOUS DYSFUNCTION

26.1 - VenousInsufficiency-back-a by James Heilman, MD is licensed by CC BY-SA 4.0 (<https://commons.wikimedia.org/wiki/File:VenousInsufficiency-back-a.jpg>)

26.3 - Inferior vena cava filter by BozMo at English Wikipedia is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Inferior_vena_cava_filter.jpg)

26.4 - Deep vein thrombosis of the right leg by James Heilman, MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Deep_vein_thrombosis_of_the_right_leg.jpg)

GASTROINTESTINAL

BILIARY TRACT DISEASES

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28.9 - Primary sclerosing cholangitis by Joy Worthington & Roger William Chapman is licensed by CC BY 2.0 (https://www.researchgate.net/figure/6734216_fig2_Histological-features-of-primary-sclerosing-cholangitis)

COLORECTAL POLYP CONDITIONS

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29.2 - Villous adenoma1 by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Villous_adenoma1.jpg)

29.3 - Tubular adenoma 4 high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Tubular_adenoma_4_high_mag.jpg)

29.4 - Familial adenomatous polyposis 57254 by OMICS International is licensed by CC BY 4.0 (<https://www.omicsonline.org/ireland/familial-adenomatous-polyposis-peer-reviewed-pdf-ppt-articles/>)

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ESOPHAGEAL DISEASE

30.2 - Esophagus with intestinal metaplasia -- low mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Esophagus_with_intestinal_metaplasia_-_low_mag.jpg)

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GASTRIC DISEASE

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31.4 - Gastric Ulcer Antrum by Med_Chaos is public domain (https://commons.wikimedia.org/wiki/File:Gastric_Ulcer_Antrum.jpg)

GASTROINTESTINAL CANCERS

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32.15 - Hepatocellular carcinoma histopathology (1) by KGH is licensed by CC BY-SA 3.0 ([https://commons.wikimedia.org/wiki/File:Hepatocellular_carcinoma_histopathology_\(1\).jpg](https://commons.wikimedia.org/wiki/File:Hepatocellular_carcinoma_histopathology_(1).jpg))

32.16 - Pancreas FNA; adenocarcinoma vs. normal ductal epithelium (400x) (322383635) by Ed Uthman is licensed by CC BY 2.0 ([https://commons.wikimedia.org/wiki/File:Pancreas_FNA;_adenocarcinoma_vs._normal_ductal_epithelium_\(400x\)_ \(322383635\).jpg](https://commons.wikimedia.org/wiki/File:Pancreas_FNA;_adenocarcinoma_vs._normal_ductal_epithelium_(400x)_ (322383635).jpg))

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32.18 - Gastric Adenocarcinoma (138614024) by Ed Uthman is licensed by CC BY 2.0 ([https://commons.wikimedia.org/wiki/File:Gastric_Adenocarcinoma_\(138614024\).jpg](https://commons.wikimedia.org/wiki/File:Gastric_Adenocarcinoma_(138614024).jpg))

32.19 - Gastric adenocarcinoma (1) well differentiated by KGH is licensed by CC BY-SA 3.0 ([https://commons.wikimedia.org/wiki/File:Gastric_adenocarcinoma_\(1\)_well_differentiated.jpg](https://commons.wikimedia.org/wiki/File:Gastric_adenocarcinoma_(1)_well_differentiated.jpg))

INFLAMMATORY BOWEL DISEASE

33.1 - Crohnie Pyoderma gangrenosum by Crohnie is public domain (https://commons.wikimedia.org/wiki/File:Crohnie_Pyoderma_gangrenosum.jpg)

33.2 - Crohn's disease - colon - intermed mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Crohn%27s_disease_-_colon_-_intermed_mag.jpg)

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33.6 - Human Colon, Removed Feb 2010, Condition Ulcerative Colitis by Theron Price is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Human_Colon,_Removed_Feb_2010,_Condition_Ulcerative_Colitis.JPG)

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33.9 - Ulcerative colitis (2) endoscopic biopsy by KGH is licensed by CC BY-SA 3.0 ([https://commons.wikimedia.org/wiki/File:Ulcerative_colitis_\(2\)_endoscopic_biopsy.jpg](https://commons.wikimedia.org/wiki/File:Ulcerative_colitis_(2)_endoscopic_biopsy.jpg))

INTESTINAL DISEASES

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34.2 - Diverticula, sigmoid colon by Haymanj is public domain (https://commons.wikimedia.org/wiki/File:Diverticula,_sigmoid_colon.jpg)

34.5 - Norovirus 4 by User:Graham Beards at en.wikipedia is licensed by CC BY 3.0 (https://commons.wikimedia.org/wiki/File:Norovirus_4.jpg)

34.6 - Direct inguinal hernia by Anpol42 is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Direct_inguinal_hernia.jpg)

34.7 - Hernia by James Heilman, MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/Category:Inguinal_hernia#/media/File:Hernia.JPG)

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34.10 - Ischemic colitis t-colon by melvil is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Ischemic_colitis_t-colon.jpg)

34.11 - Ischemic colitis - 2 - high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Ischemic_colitis_-_2_-_high_mag.jpg)

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LIVER & GALLBLADDER CONGENITAL CONDITIONS

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LIVER DISEASES

36.1 - Mallory body high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Mallory_body_high_mag.jpg)

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36.6 - Cirrhosis of the liver (trichrome stain) (5690946257) by Ed Uthman is licensed by CC BY 2.0 ([https://commons.wikimedia.org/wiki/File:Cirrhosis_of_the_liver_\(trichrome_stain\)_\(5690946257\).jpg](https://commons.wikimedia.org/wiki/File:Cirrhosis_of_the_liver_(trichrome_stain)_(5690946257).jpg))

36.7 - Perihepatic adhesions 2 by Hic et nunc is public domain (https://commons.wikimedia.org/wiki/File:Perihepatic_adhesions_2.jpg)

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36.10 - Liver lobectomy 02 by Luigi Sandonato, Calogero Cipolla, Giuseppa Graceffa, Tommaso V Bartolotta, Sergio Li Petri, Oriana Ciacio, Fabio Cannizzaro and Mario A Latteri is licensed by CC BY 2.0 (https://commons.wikimedia.org/wiki/File:Liver_lobectomy_02.jpg)

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36.13 - Esophageal Varices by OMICS International is licensed by CC BY 4.0 (<https://www.omicsonline.org/mexico/esophageal-varices-peer-reviewed-pdf-ppt-articles/>)

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LOWER GASTROINTESTINAL CONGENITAL MALFORMATIONS

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37.7 - Meckel-Divertikel by Milliways is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:Meckel-Divertikel.jpg>)

37.9 - Meckel's diverticulum with ectopic gastric mucosa and perforation, HE 1 by Patho is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Meckel%27s_diverticulum_with_ectopic_gastric_mucosa_and_perforation,_HE_1.jpg)

MALABSORPTION CONDITIONS

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38.3 - Small bowel (small intestine) - Whipple disease by Hanni Gulwani, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/images/siwhipple4.jpg>)

38.4 - Whipples Disease, PAS (6881958719) by Ed Uthman is licensed by CC BY 2.0 ([https://commons.wikimedia.org/wiki/File:Whipples_Disease,_PAS_\(6881958719\).jpg](https://commons.wikimedia.org/wiki/File:Whipples_Disease,_PAS_(6881958719).jpg))

ORAL DISEASE

39.1 - Starke Aphten by Florian Brandt (Benutzer:Monti89) is licensed by CC-BY 4.0 (https://commons.wikimedia.org/wiki/File:Starke_Aphten.jpg)

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39.3 - OPG IMG 6688 by Bin im Garten is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:OPG_IMG_6688.jpg)

39.4 - Gingivitis (crop) by Lesion is licensed by CC BY-SA 3.0 ([https://commons.wikimedia.org/wiki/File:Gingivitis_\(crop\).jpg](https://commons.wikimedia.org/wiki/File:Gingivitis_(crop).jpg))

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39.7 - Salivary gland stone removed by Peternickson is public domain CC0 1.0 (https://commons.wikimedia.org/wiki/File:Salivary_gland_stone_removed.jpeg)

39.9 - Chronic sialadenitis by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Chronic_sialadenitis.jpg)

PANCREATITIS

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40.4 - Tryptic fat tissue necrosis in severe pancreatitis, HE 1 by Patho is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Tryptic_fat_tissue_necrosis_in_severe_pancreatitis,_HE_1.JPG)

PERITONEAL PATHOLOGY

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RECTAL & ANAL PATHOLOGY

42.1 - Anal fissure by Jonathanlund is public domain (https://commons.wikimedia.org/wiki/File:Anal_fissure.JPG)

42.2 - Analfistel nach op by Thomas H. is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Analfistel_nach_op.jpg)

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UPPER GASTROINTESTINAL CONGENITAL MALFORMATIONS

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43.5 - Thyreoglossal duct cyst by Klaus D. Peter, Gummersbach, Germany is licensed by CC BY 3.0 DE (https://commons.wikimedia.org/wiki/File:Thyreoglossal_duct_cyst.jpg)

HEMATOLOGY

DYSPLASTIC & PROLIFERATIVE DISORDERS

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45.5 - Erythromelalgia in hands by Minor is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Erythromelalgia_in_hands.jpg)

45.6 - Polycythemia vera, blood smear by The Armed Forces Institute of Pathology (AFIP) is public domain (https://commons.wikimedia.org/wiki/File:Polycythemia_vera,_blood_smear.jpg)

45.7 - Myelofibrosis, Reticulin Stain (6032644716) by Ed Uthman is licensed by CC BY 2.0 ([https://commons.wikimedia.org/wiki/File:Myelofibrosis,_Reticulin_Stain_\(6032644716\).jpg](https://commons.wikimedia.org/wiki/File:Myelofibrosis,_Reticulin_Stain_(6032644716).jpg))

LEUKEMIAS

48.1 - Acute leukemia-ALL by VashiDonsk at English Wikipedia is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Acute_leukemia-ALL.jpg)

48.2 - Chloroma - high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Chloroma_-_high_mag.jpg)

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48.5 - Chronic lymphocytic leukemia - high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Chronic_lymphocytic_leukemia_-_high_mag.jpg)

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LYMPHOMAS

49.2 - Nodular lymphocyte predominant Hodgkin lymphoma - very high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Nodular_lymphocyte_predominant_Hodgkin_lymphoma_-_very_high_mag.jpg)

49.3 - Hodgkin's disease, spleen by The Armed Forces Institute of Pathology (AFIP) is public domain (https://commons.wikimedia.org/wiki/File:Hodgkin%27s_disease,_spleen.jpg)

49.5 - Large b cell lymphoma - cytology small by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Large_b_cell_lymphoma_-_cytology_small.jpg)

49.6 - Nodular Mantle Cell Lymphoma - low power view - by Gabriel Caponetti by Gabriel Caponetti is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Nodular_Mantle_Cell_Lymphoma_-_low_power_view_-_by_Gabriel_Caponetti.jpg)

49.7 - Spleen, Diffuse Large B Cell Lymphoma (9187421536) by Ed Uthman is licensed by CC BY 2.0 ([https://commons.wikimedia.org/wiki/File:Spleen,_Diffuse_Large_B_Cell_Lymphoma_\(9187421536\).jpg](https://commons.wikimedia.org/wiki/File:Spleen,_Diffuse_Large_B_Cell_Lymphoma_(9187421536).jpg))

MACROCYTIC ANEMIA

50.1 - Hyperlobated Neutrophil (8612790151) by Ed Uthman is licensed by CC BY 2.0 ([https://commons.wikimedia.org/wiki/File:Hyperlobated_Neutrophil_\(8612790151\).jpg](https://commons.wikimedia.org/wiki/File:Hyperlobated_Neutrophil_(8612790151).jpg))

50.2 - Cabot ring and basophilic stippling by Dr. Roshan Nasimudeen is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Cabot_ring_and_basophilic_stippling.jpg)

50.3 - Ring Sideroblast smear 2010-01-13 by Paulo Henrique Orlandi Mourao is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Ring_Sideroblast_smear_2010-01-13.JPG)

NORMOCYTIC ANEMIA (DECREASED PRODUCTION)

53.1 - rrr aplastic anemia by isis325 is licensed by CC BY 2.0 (<https://www.flickr.com/photos/92708411@N07/8549744703/in/photolist-e2vFer-ptmyRm-9mK2Sx-4HgDcP-8juVtw-pv7vH8-oqoTuv-8jwdvh-em5ZVS-7kc8oV-2Ur1Tk-X8GyX4-eh7QKP-7kACzo-JH3oqp-ehdyfd-ehdsPG-eh7Lvz-o99zsm-6DfnZ4-p1WuA-QBR5Zm-5YnjDQ-p6F9X-eh7Qhr-99XetQ-8DkGG-dVXMfF-eh7NVp-ehdiZN-eh7E7V-8DkJJ-2UuQyW-62Cn1w-8DkGi-99WS8A-oeUsqK-9gMSSZ-8DkGr-eh7Fzn-8Dkui-8aft7-C-2Uv3NY-YYqcMB-j5ZXAw-5CLm3q-2VdAS9-8DKJa-9c53GS-7vZHsp>)

NORMOCYTIC ANEMIA (INCREASED HEMOLYSIS)

54.1 - Warm autoimmune hemolytic anemia by E. Uthman, MD is licensed by CC BY-SA 2.0 (https://commons.wikimedia.org/wiki/File:Warm_autoimmune_hemolytic_anemia.jpg)

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54.3 - Eritrociti by EM Unit, UCL Medical School, Royal Free Campus, Wellcome Images is licensed by CC BY 4.0 (<https://commons.wikimedia.org/wiki/File:Eritrociti.jpg>)

54.5 - Sickle Cell Anemia (5610746554) by Ed Uthman is licensed by CC BY 2.0 ([https://commons.wikimedia.org/wiki/File:Sickle_Cell_Anemia_\(5610746554\).jpg](https://commons.wikimedia.org/wiki/File:Sickle_Cell_Anemia_(5610746554).jpg))

PLASMA CELL DYSCRASIAS

55.2 - Cast nephropathy - 1 - very high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Cast_nephropathy_-_1_-_very_high_mag.jpg)

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PORPHYRIA

57.1 - Urine of patient with porphyria by Chen GL, Yang DH, Wu JY, Kuo CW, Hsu WH is licensed by CC BY 3.0 (https://commons.wikimedia.org/wiki/File:Urine_of_patient_with_porphyria.png)

57.2 - Primary hemochromatosis presented by porphyria cutanea tarda: a case report by H Jorn Bovenschen and Wynand H P M Vissers is licensed by CC BY 3.0 (<https://www.ncbi.nlm.nih.gov/pmc/articles/PMC2740200/figure/fig-001/>)

SPLEEN PATHOLOGY

58.1 - Howell-Jolly smear 2010-11-17 by Paulo Henrique Orlandi Mourao is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Howell-Jolly_smear_2010-11-17.JPG)

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THROMBOCYTOPENIA

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THYMUS NEOPLASIA

60.2 - Locally invasive circumscribed thymoma by The Armed Forces Institute of Pathology (AFIP) is public domain (https://commons.wikimedia.org/wiki/File:Locally_invasive_circumscribed_thymoma.jpg)

NEUROLOGY**ADULT PRIMARY BRAIN TUMORS**

61.2 - Glioblastoma - high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Glioblastoma_-_high_mag.jpg)

61.3 - Hemangioblastoma Histology CD31Marvin 101 at German Wikipedia is licensed by CC BY-SA 2.0 DE (https://commons.wikimedia.org/wiki/File:Hemangioblastoma_Histology_CD31.jpg)

61.4 - Hemangioblastoma Histology HE by Marvin 101 at German Wikipedia is licensed by CC BY-SA 2.0 DE (https://commons.wikimedia.org/wiki/File:Hemangioblastoma_Histology_HE.jpg)

61.6 - Meningioma intermed mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Meningioma_intermed_mag.jpg)

61.7 - Oligodendroglioma1 high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Oligodendroglioma1_high_mag.jpg)

AUTONOMIC DISEASES

62.1 - Miosis by Waster is licensed by CC BY 2.5 (<https://commons.wikimedia.org/wiki/File:Miosis.jpg>)

BALANCE DISORDERS

63.1 - Schwannoma - Antoni A and B - intermed mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Schwannoma_-_Antoni_A_and_B_-_intermed_mag.jpg)

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CEREBRAL CORTEX NERVOUS SYSTEM INFECTIONS

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65.7 - Streptococcus pneumoniae meningitis, gross pathology 33 lores by CDC/ Dr. Edwin P. Ewing, Jr. is public domain (https://commons.wikimedia.org/wiki/File:Streptococcus_pneumoniae_meningitis_gross_pathology_33_lores.jpg)

65.8 - Meningitis Histopathology by Marvin 101 is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Meningitis_Histopathology.jpg)

CHILDHOOD PRIMARY BRAIN TUMORS

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67.7 - Pilocytic Micro by The Armed Forces Institute of Pathology is public domain (https://commons.wikimedia.org/wiki/File:Pilocytic_Micro.jpg)

67.8 - PilocyticAstrocytoma 20x HE by Marvin 101 is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:PilocyticAstrocytoma_20x_HE.jpg)

CONGENITAL MYOPATHIES

69.1 - Muscle - Duchenne muscular dystrophy by Wesley Hiser, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/muscleduchenne muscular dystrophy.html>)

69.2 - Muscle - Duchenne muscular dystrophy by Wesley Hiser, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/muscleduchenne muscular dystrophy.html>)

69.3 - Muscle - Duchenne muscular dystrophy by Wesley Hiser, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/muscleduchenne muscular dystrophy.html>)

CRANIAL NERVE INJURY

71.1 - Bellspalsy by James Heilman, MD is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:Bellspalsy.JPG>)

DEMENTIA

72.2 - Neurofibrillary tangles in the Hippocampus of an old person with Alzheimer-related pathology, HE 2 by Patho is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Neurofibrillary_tangles_in_the_Hippocampus_of_an_old_person_with_Alzheimer-related_pathology,_HE_2.JPG)

72.3 - Amyloid plaques alzheimer disease HE stain by Jensflorian is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Amyloid_plaques_alzheimer_disease_HE_stain.jpg)

72.4 - DLB frontal lewy bodies HE by Jensflorian is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:DLB_frontal_lewy_bodies_HE.jpg)

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72.7 - Frontotemporal degeneration by Methoxyroxy~commons wiki is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Frontotemporal_degeneration.jpg)

EAR PATHOLOGY

73.1 - OSC Microbio 21 02 folliculit (cropped) by CNX OpenStax is licensed by CC BY 4.0 ([https://commons.wikimedia.org/wiki/File:OSC_Microbio_21_02_folliculit_\(cropped\).jpg](https://commons.wikimedia.org/wiki/File:OSC_Microbio_21_02_folliculit_(cropped).jpg))

73.2 - Acute Otitis Media Stage of Resolution by Michael Hawke MD is licensed by CC BY 4.0 (https://commons.wikimedia.org/wiki/File:Acute_Otitis_Media_Stage_of_Resolution.jpg)

73.3 - Subtotal Perforation of the right tympanic membrane by Michael Hawke MD is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Subtotal_Perforation_of_the_right_tympanic_membrane.tif)

ENCEPHALOPATHY

74.1 - Reye's syndrome liver-histology by CDC/ Dr. Edwin P. Ewing, Jr. is public domain (https://commons.wikimedia.org/wiki/File:Reye%27s_syndrome_liver-histology.jpg)

EYE INFECTIONS

76.1 - Gradowka by Kotek1986 and Tsca.bot is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:Gradowka.jpg>)

76.2 - Chalazion of the Eyelid by Ed Uthman, MD is licensed by CC BY-SA 2.0 (https://commons.wikimedia.org/wiki/File:Chalazion_of_the_Eyelid.jpg)

76.3 - Chorioretinitis AIDS nci-vol-2169-300 by National Cancer Institute is public domain (https://commons.wikimedia.org/wiki/File:Chorioretinitis_AIDS_nci-vol-2169-300.jpg)

76.4 - Keratoconjunctivitis epidemica 1 by Marco Mayer is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Keratoconjunctivitis_epidemica_1.jpg)

76.5 - Clare-314 by Eddie314 at English Wikipedia is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:Clare-314.jpg>)

76.6 - Celulitis Periorbitaria (Preseptal) by Afrodriguezg is licensed by CC BY-SA 3.0 ([https://commons.wikimedia.org/wiki/File:Celulitis_Periorbitaria_\(Preseptal\).JPG](https://commons.wikimedia.org/wiki/File:Celulitis_Periorbitaria_(Preseptal).JPG))

76.7 - Sty22012 by James Heilman, MD is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:Sty22012.JPG>)

76.8 - Hypopyon by EyeMD (Rakesh Ahuja, M.D.) is licensed by CC BY-SA 2.5 (<https://commons.wikimedia.org/wiki/File:Hypopyon.jpg>)

GLOBE PATHOLOGY

77.1 - Macular Soft Drusen by Ipoliker is licensed by CC BY-SA 3.0 (https://en.wikipedia.org/wiki/Drusen#/media/File:Macular_Soft_Drusen.jpg)

77.2 - Intumescent cataract by Imrankabirhossain is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/Category:Human_cataracts#/media/File:Intumescent_cataract.jpg)

77.3 - Dendritic corneal ulcer by Imrankabirhossain is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Dendritic_corneal_ulcer.jpg)

77.4 - Fundus Proliferative retinopathy EDA01 by National Eye Institute, National Institutes of Health is public domain (https://en.wikipedia.org/wiki/Cotton_wool_spots#/media/File:Fundus_Proliferative_retinopathy_EDA01.JPG)

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77.7 - Retinoblastoma (gross pathology) by The Armed Forces Institute of Pathology (AFIP)/A.Prof Frank Gaillard is public domain (<https://radiopaedia.org/cases/retinoblastoma-gross-pathology-2>)

77.8 - Retinoblastoma - leukocoria by National Cancer Institute is public domain (<https://www.radiopaedia.org/cases/retinoblastoma-leukocoria>)

77.10 - Retinoblastoma by Tero Kivelä is licensed by CC BY 2.5 (<https://commons.wikimedia.org/wiki/File:Retinoblastoma.jpg>)

INCREASED INTRACRANIAL PRESSURE

81.3 - Papilledema by Jonathan Trobe, M.D. is licensed by CC BY 3.0 (<https://commons.wikimedia.org/wiki/File:Papilledema.jpg>)

MOTOR NEURON DISEASES

82.1 - 1923 Lou Gehrig by Wide World Photos is public domain

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82.2 - Neurogenic atrophy muscle biopsy HE x100 by Jensflorian is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Neurogenic_atrophy_muscle_biopsy_HE_x100.jpg)

NEUROCUTANEOUS DISORDERS

84.1 - Ataxia-telangiectasia1 by National Eye Institute is public domain (<https://commons.wikimedia.org/wiki/File:Ataxia-telangiectasia1.png>)

84.2 - Lisch nodules (photo) by Dimitrios Malamos is licensed by CC BY 4.0 (<https://www.radiopaedia.org/cases/lisch-nodules-photo>)

84.3 - Cutaneous neurofibroma (MedMedicine) by Dr. Luca Savino is licensed by CC BY-SA 4.0 ([https://commons.wikimedia.org/wiki/File:Cutaneous_neurofibroma_\(MedMedicine\).jpg](https://commons.wikimedia.org/wiki/File:Cutaneous_neurofibroma_(MedMedicine).jpg))

84.7 - Patient with facial angiofibromas caused by tuberous sclerosis by Herbert L. Fred, MD and Hendrik A. van Dijk is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Patient_with_facial_angiofibromas_caused_by_tuberous_sclerosis.jpg)

NEUROMUSCULAR JUNCTION DISEASES

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NEUROPATHIES

86.1 - Diagnosing Carpal Tunnel Syndrome in Cavanagh Syndrome: A Literature Review and Proposed Electro Physiologic Protocol by Dinesh Kumbhare, Najam Mian, Dhanveer Singh, Alasdair TL Rathbone and Anne Agur is licensed by CC BY 4.0 (<https://www.omicsonline.org/open-access/diagnosing-carpal-tunnel-syndrome-in-cavanagh-syndrome-a-literature-review-and-proposed-electro-physiologic-protocol-95968.html>)

86.2 - Ulnar claw hand by Mcstrother is licensed by CC BY 3.0 (https://commons.wikimedia.org/wiki/File:Ulnar_claw_hand.JPG)

86.3 - Scapula Winging in Long Thoracic Nerve Palsy by Dwaipayanc at English Wikipedia is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Scapula_Winging_in_Long_Thoracic_Nerve_Palsy.jpg)

PNS DEMYELINATING DISORDERS

87.2 - Onion bulb formation HMSN by Jensflorian is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Onion_bulb_formation_HMSN.jpg)

PSYCHOLOGICAL DISORDERS**FEEDING & EATING DISORDERS**

95.1 - Oral manifestation of Bulimia by DentalSchoolProf is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Oral_manifestation_of_Bulimia.jpg)

OBSESSIVE-COMPULSIVE DISORDERS

97.1 - *Derma me* by Boogafreak is public domain (https://commons.wikimedia.org/wiki/File:Derma_me.JPG)

SLEEP & WAKE DISORDERS

103.1 - *Bruxismo-wikipedia* by Propdental is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:Bruxismo-wikipedia.JPG>)

SUBSTANCE USE & RELATED DISORDERS

104.5 - *Cocaine nose* by FarmerYo is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Cocaine_nose.jpg)

104.10 - *Nicotine stains10* by James Heilman, MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Nicotine_stains10.JPG)

RENAL

ACUTE & CHRONIC KIDNEY DISEASE

106.1 - *Uremic frost on forehead and scalp of young Afro-Caribbean male* by Fythrion at English Wikipedia is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Uremic_frost_on_forehead_and_scalp_of_young_Afro-Caribbean_male.jpg)

BLADDER & URETHRAL CONGENITAL DISORDERS

107.1 - *Classical bladder exstrophy* by Anne-Karoline Ebert, Heiko Reutter, Michael Ludwig and Wolfgang H Rösch is licensed by CC BY 2.5 (https://commons.wikimedia.org/wiki/File:Classical_bladder_exstrophy.jpg)

BLADDER CANCER

108.1 - *Schistosomiasis haematobia* by CDC/ Dr. Edwin P. Ewing, Jr. is public domain (https://commons.wikimedia.org/wiki/File:Schistosomiasis_haematobia.jpg)

108.3 - *Muscle invasive urothelial carcinoma -- intermed mag* by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Muscle_invasive_urothelial_carcinoma_-_intermed_mag.jpg)

108.6 - *Urothelial carcinoma in situ - CK20 -- high mag* by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Urothelial_carcinoma_in_situ_-_CK20_-_high_mag.jpg)

CONGENITAL KIDNEY CONDITIONS

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HYPERCALCEMIA & HYPOCALCEMIA

111.2 - *Trousseau's Sign of Latent Tetany* by Huckfinne is public domain (https://commons.wikimedia.org/wiki/File:Trousseau%27s_Sign_of_Latent_Tetany.jpg)

111.3 - *2857* by CDC/ Dr. Thomas F. Sellers is public domain (<https://phil.cdc.gov/Details.aspx?pid=2857>)

KIDNEY DISORDERS

116.1 - *Necrosi tubular aguda renal.IMG 1779* by Amadalvarez is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Necrosi_tubular_aguda_renal.IMG_1779.JPG)

116.2 - *Kidney stone 1* by User:Михајло Анђелковић is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Kidney_stone_1.jpg)

116.4 - *Surface of a kidney stone* by Kempf EK is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Surface_of_a_kidney_stone.jpg)

NEPHRITIC SYNDROME

117.3 - *Post-infectious glomerulonephritis - very high mag* by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Post-infectious_glomerulonephritis_-_very_high_mag.jpg)

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117.5 - *Immunofluorescence Goodpasture syndrome* by Krzys617 is licensed by CC BY-SA 3.0 (https://www.wikidoc.org/index.php/File:Immunofluorescence_Goodpasture_syndrome.jpg)

117.6 - *Coli3* by Elapied at French Wikipedia is public domain (<https://commons.wikimedia.org/wiki/File:Coli3.jpg>)

117.7 - *Acute thrombotic microangiopathy - very high mag* by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Acute_thrombotic_microangiopathy_-_very_high_mag.jpg)

117.8 - *Kidney nontumor - IgA nephropathy (Berger disease)* by Nikhil Sangle, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/kidneyiga.html>)

NEPHROTIC SYNDROME

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118.2 - *Focal segmental glomerulosclerosis - high mag* by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Focal_segmental_glomerulosclerosis_-_high_mag.jpg)

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118.5 - *Membranous nephropathy - pas - very high mag* by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Membranous_nephropathy_-_pas_-_very_high_mag.jpg)

RENAL CANCER

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119.5 - Papillary renal cell carcinoma high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Papillary_renal_cell_carcinoma_high_mag.jpg)

119.7 - Wilms tumour - high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Wilms_tumour_-_high_mag.jpg)

119.9 - Wilms tumor by The Armed Forces Institute of Pathology is public domain (https://commons.wikimedia.org/wiki/File:Wilms_tumor.jpg)

URINARY & KIDNEY INFECTIONS

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VASCULAR RENAL DISEASE

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RESPIRATORY

ACUTE RESPIRATORY DISEASE

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LOWER RESPIRATORY TRACT CONGENITAL MALFORMATIONS

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LOWER RESPIRATORY TRACT INFECTIONS

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OBSTRUCTIVE LUNG DISEASE

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PERINATAL ACUTE RESPIRATORY DISEASE

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PULMONARY VASCULAR DISEASE

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RESPIRATORY TUMORS

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RESTRICTIVE LUNG DISEASE

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UPPER RESPIRATORY TRACT

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UPPER RESPIRATORY TRACT CONGENITAL MALFORMATIONS

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IMAGES

DERMATOLOGY

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ERYTHEMA MULTIFORME & DRUG ERUPTION

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HAIR-RELATED DISEASES

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MALIGNANT SKIN TUMORS

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PIGMENTATION DISORDERS

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SKIN & SOFT TISSUE INFLAMMATION & INFECTIONS

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URTICARIA & ERYTHEMA NODOSUM

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VESICULOBULLOUS DISEASES

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ENDOCRINE

ADRENAL HYPERFUNCTION

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ADRENAL HYPERPLASIA

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ADRENAL HYPOFUNCTION

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ENDOCRINE TUMORS

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HYPERPARATHYROIDISM & HYPOPARATHYROIDISM

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HYPERTHYROIDISM & HYPOTHYROIDISM

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NEUROENDOCRINE TUMORS

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20.4 - Adrenal gland and paraganglia - Pheochromocytoma by Debra Zynger, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/adrenalpheochromocytoma.html>)

20.5 - Adrenal Phaeochromocytoma 2 MP CTR by Sarahkayb is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Adrenal_Phaeochromocytoma_2_MP_CTR.jpg)

THYROIDITIS

21.1 - Hashimoto thyroiditis -- intermed mag by Librepath is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Hashimoto_thyroiditis_-_intermed_mag.jpg)

21.2 - Hashimoto's thyroiditis, HE 5 by Patho is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Hashimoto%27s_thyroiditis_HE_5.jpg)

GENETICS

CHROMOSOMAL DELETION SYNDROMES

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CONNECTIVE TISSUE DISORDERS

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23.2 - Marfan Patient by Mileny ES Colovati, Luciana RJ da Silva, Sylvia S Takeno, Tatiane I Mancini, Ana R N Dutra, Roberta S Guilherme, Cláudia B de Mello, Maria I Melaragno and Ana B A Perez is licensed by CC BY 2.0 (https://commons.wikimedia.org/wiki/File:Marfan_Patient.jpeg)

DNA REPLICATION & REPAIR DISORDERS

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GENETIC MUTATIONS

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SEX CHROMOSOME DISORDERS

27.1 - Bodymorphproj mkg modA001 20070325 pos07 by Malcolm Gin is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Bodymorphproj_mkg_modA001_20070325_pos07.jpg)

TRINUCLEOTIDE REPEAT EXPANSION DISEASES

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TRISOMIES

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29.3 - Full Trisomy 13 phenotype by TRIsoMY Favorite Things Inspired By Natalia's Trisomy 13 LIFE is licensed by CC BY 4.0 (https://en.wikipedia.org/wiki/File:Full_Trisomy_13_phenotype.png)

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IMMUNOLOGY

HYPERSENSITIVITY REACTIONS: MULTIPLE MECHANISMS

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T-CELL DEFICIENCIES

35.1 - DiGeorge syndrome1 by Prof Victor Grech is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:DiGeorge_syndrome1.jpg)

TYPE III REACTIONS

38.1 - Churg-Strauss syndrome - high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Churg-Strauss_syndrome_-_high_mag.jpg)

TYPE IV REACTIONS

39.2 - Colon nontumor - Graft versus host disease by Hanni Gulwani, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/colonGVHD.html>)

METABOLISM

AMINO ACID METABOLISM DISORDERS

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CHEMICAL & DRUG TOXICITY

42.1 - Mee's lines by Yannick Trottier is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Mee%27s_lines.JPG)

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DYSLIPIDEMIA

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43.4 - Hyperlipidaemia - lipid in EDTA tube by Mark-shea at English Wikipedia is public domain (https://commons.wikimedia.org/wiki/File:Hyperlipidaemia_-_lipid_in_EDTA_tube.jpg)

MALNUTRITION

47.1 - Starved girl by Dr. Lyle Conrad is public domain (https://commons.wikimedia.org/wiki/File:Starved_girl.jpg)

SPHINGOLIPIDOSIS

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WATER SOLUBLE VITAMINS DEFICIENCY

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MICROBIOLOGY

AEROBIC RODS

55.1 - Cutaneous anthrax lesion on the neck. PHIL 1934 lores by CDC is public domain (https://commons.wikimedia.org/wiki/File:Cutaneous_anthrax_lesion_on_the_neck._PHIL_1934_lores.jpg)

55.2 - Dirty white pseudomembrane classically seen in diphtheria 2013-07-06 11-07 by Dileepunnikri is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Dirty_white_pseudomembrane_classically_seen_in_diphtheria_2013-07-06_11-07.jpg)

55.3 - A diphtheria skin lesion on the leg. PHIL 1941 lores by CDC is public domain (https://commons.wikimedia.org/wiki/File:A_diphtheria_skin_lesion_on_the_leg._PHIL_1941_lores.jpg)

ANAEROBIC RODS

56.1 - *Pseudomembranous colitis* by James Heilman, MD is CC BY 4.0 (https://commons.wikimedia.org/wiki/File:Pseudomembranous_colitis.JPG)

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CENTRAL NERVOUS SYSTEM INFECTIONS

60.1 - *Cerebral Toxoplasmosis bradyzoites* by Jensflorian is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Cerebral_Toxoplasmosis_bradyzoites.jpg)

CESTODES (TAPEWORMS)

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CHLAMYDIA

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62.2 - *Pap smear showing clamidia in the vacuoles 500x H&E* by Dr. Lance Liotta Laboratory is public domain (https://commons.wikimedia.org/wiki/File:Pap_smear_showing_clamidia_in_the_vacuoles_500x_H%26E.jpg)

COCCOBACILLI: AEROBES

63.1 - *Tularemia lesion* by CDC is public domain (https://commons.wikimedia.org/wiki/File:Tularemia_lesion.jpg)

COCCOBACILLI: FACULTATIVE ANEROBES

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COMMA-SHAPED RODS

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CUTANEOUS FUNGAL INFECTIONS

67.1 - *Tinea versicolor1* by Sarahrosenau on Flickr.com is licensed by CC BY-SA 2.0 (https://commons.wikimedia.org/wiki/File:Tinea_versicolor1.jpg)

67.2 - *Seborrheic dermatitis highres* by Roymishali is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Seborrheic_dermatitis_highres.jpg)

DIPLOCOCCI: AEROBIC

68.1 - *Gonococcal ophthalmia neonatorum* by CDC/ J. Pledger is public domain (https://commons.wikimedia.org/wiki/File:Gonococcal_ophthalmia_neonatorum.jpg)

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68.3 - *Petechial rash* by DrFO.Jr.Tn is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Petechial_rash.JPG)

68.4 - *Streptococcus pneumoniae meningitis, gross pathology 33 lores* by CDC/ Dr. Edwin P. Ewing, Jr. is public domain (https://commons.wikimedia.org/wiki/File:Streptococcus_pneumoniae_meningitis_gross_pathology_33_lores.jpg)

ECTOPARASITES

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FILAMENTS

71.1 - *Actinomyces - high mag* by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Actinomyces_-_high_mag.jpg)

FILOVIRUSES

72.1 - *Ebola virus em* by CDC/ Dr. Frederick A. Murphy is public domain (https://commons.wikimedia.org/wiki/File:Ebola_virus_em.png)

GASTROINTESTINAL INFECTIONS

74.1 - *Cryptosporidiosis - very high mag - cropped* by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Cryptosporidiosis_-_very_high_mag_-_cropped.jpg)

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74.3 - *Giardia lamblia cytology* by Jerad M Gardner, MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Giardia_lamblia_cytology.jpg)

74.4 - *Giardiasis intestine 400x* by Department of Pathology, Calicut Medical College is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Giardiasis_intestine_400x.jpg)

GENERAL INFECTIONS

75.1 - *Pilonidal abscess* by Jonathanlund is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Pilonidal_abscess.jpg)

HEMATOLOGIC INFECTIONS

77.1 - *Mature Plasmodium malariae schizont PHIL 2715 lores* by CDC/Dr. Mae Melvin is public domain (https://commons.wikimedia.org/wiki/File:Mature_Plasmodium_malariae_schizont_PHIL_2715_lores.jpg)

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HEPADNAVIRIDAE

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HERPESVIRUSES

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79.3 - Herpes labialis - opryszczka wargowa by pl.wiki: Jojo is public domain (https://commons.wikimedia.org/wiki/File:Herpes_labialis_-_opryszczka_wargowa.jpg)

79.4 - GenitalGerpes by unknown author/ Bober275 is public domain CC0 1.0 (<https://commons.wikimedia.org/wiki/File:GenitalGerpes.gif>)

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79.10 - Herpes zoster chest by Fisle is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Herpes_zoster_chest.png)

LEISHMANIA

80.1 - Leishmaniasis ulcer by Layne Harris is public domain (https://commons.wikimedia.org/wiki/File:Leishmaniasis_ulcer.jpg)

NEMATODES (ROUNDWORMS)

82.2 - Ascaris infection- Difficult intestinal anastomosis - joining up of two ends- clearly if we cut out a section of bowel we're left with two ends that need to be joined up (South Africa) (15806559973) by SuSanA Secretariat is licensed by CC BY 2.0 ([https://commons.wikimedia.org/wiki/File:Ascaris_infection-Difficult_intestinal_anastomosis_-_joining_up_of_two_ends_-_clearly_if_we_cut_out_a_section_of_bowel_we%27re_left_with_two_ends_that_need_to_be_joined_up_\(South_Africa\)_\(15806559973\).jpg](https://commons.wikimedia.org/wiki/File:Ascaris_infection-Difficult_intestinal_anastomosis_-_joining_up_of_two_ends_-_clearly_if_we_cut_out_a_section_of_bowel_we%27re_left_with_two_ends_that_need_to_be_joined_up_(South_Africa)_(15806559973).jpg))

82.3 - Ascaris infection- Antimesenteric splitting of the outer layers of the bowel wall due to a large amount of ascaris (South Africa) (15806559913) by SuSanA Secretariat is licensed by CC BY 2.0 ([https://commons.wikimedia.org/wiki/File:Ascaris_infection-Antimesenteric_splitting_of_the_outer_layers_of_the_bowel_wall_due_to_a_large_amount_of_ascaris_\(South_Africa\)_\(15806559913\).jpg](https://commons.wikimedia.org/wiki/File:Ascaris_infection-Antimesenteric_splitting_of_the_outer_layers_of_the_bowel_wall_due_to_a_large_amount_of_ascaris_(South_Africa)_(15806559913).jpg))

82.4 - Pinworms in the Appendix (1) by Ed Uthman, MD is licensed by CC BY-SA 2.0 ([https://commons.wikimedia.org/wiki/File:Pinworms_in_the_Appendix_\(1\).jpg](https://commons.wikimedia.org/wiki/File:Pinworms_in_the_Appendix_(1).jpg))

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82.6 - Duodenum Strongyloides 40x3 by Tissuepathology is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Duodenum_Strongyloides_40x3.JPG)

82.7 - Trichinella rat BAM1 by CDC is public domain (https://commons.wikimedia.org/wiki/File:Trichinella_rat_BAM1.jpg)

82.8 - Filarial lymphadenitis 10x by Department of Pathology, Calicut Medical College is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Filarial_lymphadenitis_10x.jpg)

NON TUBERCULOUS MYCOBACTERIUM

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OPPORTUNISTIC FUNGAL INFECTIONS

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84.6 - Zygomycosis by Nephron is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:Zygomycosis.jpg>)

84.7 - Pneumocystis jiroveci - Foamy alveolar cast (5761923047) by Yale Rosen is licensed by CC BY-SA 2.0 ([https://commons.wikimedia.org/wiki/File:Pneumocystis_jiroveci_-_Foamy_alveolar_cast_\(5761923047\).jpg](https://commons.wikimedia.org/wiki/File:Pneumocystis_jiroveci_-_Foamy_alveolar_cast_(5761923047).jpg))

84.8 - Pneumocystisjiroveci by Pulmonary Pathology is licensed by CC BY-SA 2.0 (<https://commons.wikimedia.org/wiki/File:Pneumocystisjiroveci.jpg>)

84.9 - An Outbreak of Lymphocutaneous Sporotrichosis among Mine-Workers in South Africa by Govender NP, Maphanga TG, Zulu TG, Patel J, Walaza S, Jacobs C, Ebonwu JI, Ntuli S, Naicker SD, and Thomas J is licensed by CC BY 4.0 (https://openi.nlm.nih.gov/detailedresult.php?img=PMC45835_32pntd.0004096.g003&query=sporotrichosis&it=xg&lic=by&req=4&npos=1)

84.10 - *Conidiophores and conidia of the fungus Sporothrix schenckii* PHIL 4208 lores by CDC/Patho is public domain (https://commons.wikimedia.org/wiki/File:Conidiophores_and_conidia_of_the_fungus_Sporothrix_schenckii_PHIL_4208_lores.jpg)

PAPILLOMAVIRUS

86.1 - *GiantAnalCondyloma* Jmarchn is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:GiantAnalCondyloma.jpg>)

86.2 - *Anal condyloma (3)* by KGH is licensed by CC BY-SA 3.0 ([https://commons.wikimedia.org/wiki/File:Anal_condyloma_\(3\).jpg](https://commons.wikimedia.org/wiki/File:Anal_condyloma_(3).jpg))

PARAMYXOVIRUSES

87.1 - *Koplik spots, measles 6111 lores* by CDC is public domain (https://commons.wikimedia.org/wiki/File:Koplik_spots,_measles_6111_lores.jpg)

87.2 - *Measles pneumonia - Histopathology* by CDC/ Dr. Edwin P. Ewing, Jr. is public domain (https://commons.wikimedia.org/wiki/File:Measles_pneumonia_-_Histopathology.jpg)

87.3 - *Parotiditis (Parotitis; Mumps)* by Afrodriguezg is licensed by CC BY-SA 3.0 ([https://commons.wikimedia.org/wiki/File:Parotiditis_\(Parotitis;_Mumps\).JPG](https://commons.wikimedia.org/wiki/File:Parotiditis_(Parotitis;_Mumps).JPG))

PARVOVIRUS

88.1 - *Erythema infectiosum* by Gzzz is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Erythema_infectiosum.jpg)

PICORNAVIRUSES

89.1 - *Hand foot and mouth disease on child feet* by Ngufra at English Wikipedia is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Hand_foot_and_mouth_disease_on_child_feet.jpg)

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89.3 - *Polio lores134* by CDC/NIP/ Barbara Rice is public domain (https://commons.wikimedia.org/wiki/File:Polio_lores134.jpg)

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POLYOMAVIRUS

90.2 - *JC-Virus* by Marvin 101 is licensed by CC BY-SA 2.0 DE (<https://commons.wikimedia.org/wiki/File:JC-Virus.jpg>)

POXVIRIDAE

91.1 - *Molluscaklein* by Evanherk is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:Molluscaklein.jpg>)

91.2 - *Molluscum Contagiosum (7584473614)* by Ed Uthman is licensed by CC BY-SA 2.0 ([https://commons.wikimedia.org/wiki/File:Molluscum_Contagiosum_\(7584473614\).jpg](https://commons.wikimedia.org/wiki/File:Molluscum_Contagiosum_(7584473614).jpg))

91.3 - *Molluscum Contagiosum 3* by Ed Uthman, MD is public domain (https://commons.wikimedia.org/wiki/File:Molluscum_Contagiosum_3.jpg)

RETROVIRUSES

93.1 - *Candidiasis esophagus very high mag* by CoRus13 is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Candidiasis_esophagus_very_high_mag.jpg)

93.2 - *Mycobacterium avium-intracellulare 01* by CDC/Dr. Edwin P. Ewing, Jr. is public domain (https://commons.wikimedia.org/wiki/File:Mycobacterium_avium-intracellulare_01.png)

RHABDOVIRUSES

94.1 - *Rabies encephalitis Negri bodies* PHIL 3377 lores by CDC/ Dr. Daniel P. Perl is public domain (https://commons.wikimedia.org/wiki/File:Rabies_encephalitis_Negri_bodies_PHIL_3377_lores.jpg)

RICKETTSIAL DISEASES

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RODS

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SPIROCHETES

97.1 - *Erythema migrans - erythematous rash in Lyme disease - PHIL 9875* by CDC/ James Gathany is public domain (https://commons.wikimedia.org/wiki/File:Erythema_migrans_-_erythematous_rash_in_Lyme_disease_-_PHIL_9875.jpg)

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STAPHYLOCOCCUS

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STREPTOCOCCUS

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SYSTEMIC MYCOSES

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TOGAVIRUSES

101.1 - Rash of rubella on skin of child's back by CDC is public domain (https://commons.wikimedia.org/wiki/File:Rash_of_rubella_on_skin_of_child%27s_back.JPG)

TREMATODES (FLATWORMS)

102.1 - Clonorchis sinensis 2 by Banchob Sripa, Sasithorn Kaewkes, Paiboon Sithithaworn, Eimorn Mairiang, Thewarach Laha, Michael Smout, Chawalit Pairojkul, Vajaraphongsa Bhudhisawasdi, Smarn Tesana, Bandit Thinkamrop, Jeffrey M. Bethony, Alex Loukas & Paul J. Brindley is licensed by CC BY 2.5 (https://commons.wikimedia.org/wiki/File:Clonorchis_sinensis_2.png)

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TRYPANOSOMA

104.1 - 6282 by CDC/Donated By the World Health Organization, Geneva, Switzerland is public domain (<https://phil.cdc.gov/Details.aspx?pid=6282>)

104.2 - Trypanosoma cruzi crithidia by CDC/Dr. Myron G. Schultz is public domain (https://commons.wikimedia.org/wiki/File:Trypanosoma_cruzi_crithidia.jpeg)

TUBERCULOSIS

105.1 - Pulmonary tuberculosis - Necrotizing granuloma (6545184743) by Yale Rosen is licensed by CC BY-SA 2.0 (<https://www.radiopaedia.org/cases/tuberculosis-gross-pathology-ghon-lesion-1>)

105.4 - Pulmonary tuberculosis - Necrotizing granuloma (6545184743) by Yale Rosen is licensed by CC BY-SA 2.0 ([https://commons.wikimedia.org/wiki/File:Pulmonary_tuberculosis_-_Necrotizing_granuloma_\(6545184743\).jpg](https://commons.wikimedia.org/wiki/File:Pulmonary_tuberculosis_-_Necrotizing_granuloma_(6545184743).jpg))

MUSCULOSKELETAL

BONE & JOINT INFECTIONS

106.3 - Septic Arthritis by OMICS International is licensed by CC BY 4.0 (<https://www.omicsonline.org/india/septic-arthritis-peer-reviewed-pdf-ppt-articles/>)

BONE & JOINT PATHOLOGY

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107.13 - Bone PagetDisease MP2 PA by Sarahkayb is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Bone_PagetDisease_MP2_PA.JPG)

BONE TUMORS

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108.6 - Bone - Giant cell tumor of bone by Mark R. Wick, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/bonegiantcelltumor.html>)

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CARTILAGE TUMORS

109.2 - Bone - Osteochondroma by Jose G. Mantilla, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/boneosteochondroma.html>)

109.4 - Bone - Osteochondroma by Jose G. Mantilla, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/boneosteochondroma.html>)

INFLAMMATORY ARTHRITIS

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112.4 - MercMorphea by Leith C Jones at English Wikipedia is licensed by CC BY 3.0 (<https://en.wikipedia.org/wiki/Morphea#/media/File:MercMorphea.JPG>)

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112.6 - Lupusfoto by Doktorinternet is licensed by CC BY-SA 4.0 (<https://commons.wikimedia.org/wiki/File:Lupusfoto.jpg>)

112.8 - Systemic lupus erythematosus lymphadenopathy - high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/Category:Histopathology_of_systemic_lupus_erythematosus#/media/File:Systemic_lupus_erythematosus_lymphadenopathy_-_high_mag.jpg)

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INFLAMMATORY MYOSITIS

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113.4 - Muscle - Inclusion body myositis by Meggen Walsh, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/muscleinclusionbody.html>)

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113.6 - Muscle - Polymyositis by Meggen Walsh, D.O., M.S.-P.A. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/musclepolymyositis.html>)

JOINT PATHOLOGY

114.2 - Bursitis Elbow WC by NJC123 is public domain (https://commons.wikimedia.org/wiki/File:Bursitis_Elbow_WC.JPG)

114.4 - Heberden-Arthrose by Drahreg01 is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/Category:Heberden%27s_node#/media/File:Heberden-Arthrose.JPG)

LOWER LIMB INJURY

115.1 - Rupture tendon achilléen by Grook Da Oger is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Rupture_tendon_achil%C3%A9en.jpg)

115.2 - Achilles tendon 02 by نىجرا is public domain CC0 1.0 (https://commons.wikimedia.org/wiki/File:Achilles_tendon_02.jpg)

115.5 - Tear of medial meniscus by Arthroscopist is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Tear_of_medial_meniscus.jpg)

MUSCLE TUMORS

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116.3 - Soft tissue - Embryonal rhabdomyosarcoma by Mark R. Wick, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/softtissueembryonalrhabdo.html>)

MUSCULOSKELETAL CONGENITAL MALFORMATIONS

117.1 - Arthrogryposis Multiplex Congenita: Multiple Congenital Joint Contractures by Sucuoglu H, Ornek NI and Caglar C is licensed by CC BY 3.0 (https://openi.nlm.nih.gov/imgs/512/1/4641175/PMC4641175_CRIM2015-379730.002.png?keywords=flexion+contracture)

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117.4 - Apert syndrome: a case report by Khan S, Chatra L, Shenai P, and Veena K is licensed by CC BY 3.0 (https://openi.nlm.nih.gov/detailedresult.php?img=PMC4155880_ijcpd-05-203-g001&query=Apert+syndrome&it=xg&lic=by&req=4&npos=31)

117.5 - Hand in Apert syndrome (1) by Gzzz is licensed by CC BY-SA 4.0 ([https://commons.wikimedia.org/wiki/File:Hand_in_Apert_syndrome_\(1\).JPG](https://commons.wikimedia.org/wiki/File:Hand_in_Apert_syndrome_(1).JPG))

117.6 - Adult Flatfoot by Drvgaikwad is licensed by CC BY-SA 3.0 (https://en.wikipedia.org/wiki/Flat_feet#/media/File:Adult_Flatfoot.JPG)

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117.10 - Pectus1 by en:User:The number c is licensed by CC BY-SA 3.0 (<https://commons.wikimedia.org/wiki/File:Pectus1.jpg>)

SKELETAL DYSPLASIA

118.2 - Cleidocranial dysplasia teeth2 by Garg and Agrawal is licensed by CC BY 2.5 (https://commons.wikimedia.org/wiki/File:Cleidocranial_dysplasia_teeth2.jpg)

SPINAL DISORDERS

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TRAUMA COMPLICATIONS

120.1 - Compartment syndrome with fasciotomy procedure 02 by نىجىرأ is public domain CC0 1.0 (https://commons.wikimedia.org/wiki/File:Compartment_syndrome_with_fasciotomy_procedure_02.jpg)

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REPRODUCTIVE

BREAST MASSES

122.1 - Breast malignant, males, children - Ductal carcinoma, NOS - general by Dr. Mark R. Wick, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/breastmalignantductalNOS.html>)

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122.7 - Breast fibroadenoma by fine needle aspiration (1) DG stain by KGH is licensed by CC BY-SA 3.0 ([https://commons.wikimedia.org/wiki/File:Breast_fibroadenoma_by_fine_needle_aspiration_\(1\)_DG_stain.jpg](https://commons.wikimedia.org/wiki/File:Breast_fibroadenoma_by_fine_needle_aspiration_(1)_DG_stain.jpg))

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DISORDERS OF LABOR

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FEMALE GENITOURINARY CANCERS

124.2 - Cytological specimen showing cervical cancer by the National Cancer Institute is public domain (https://commons.wikimedia.org/wiki/File:Cytological_specimen_showing_cervical_cancer.jpg)

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124.6 - Choriocarcinoma -2- very high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Choriocarcinoma_-2-_very_high_mag.jpg)

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124.10 - Mature cystic teratoma of ovary by Ed Uthman, MD is public domain (https://commons.wikimedia.org/wiki/File:Mature_cystic_teratoma_of_ovary.jpg)

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124.13 - Ovary tumor - Sertoli-Leydig tumor by Nat Pernick, M.D. is courtesy of PathologyOutlines.com (<http://www.pathologyoutlines.com/topic/ovarytumorsertolileydig.html>)

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124.19 - Mucinous Imp ovarian tumour intermed mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Mucinous_Imp_ovarian_tumour_intermed_mag.jpg)

124.20 - Brenner Tumour of Ovary by Ed Uthman is public domain (https://commons.wikimedia.org/wiki/File:Brenner_Tumor_of_Ovary.jpg)

INFERTILITY & FETAL LOSS

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MALE GENITOURINARY CANCERS

127.1 - Cancer of the penis associated with HIV: a report of three cases presenting at the CHU cocody, ivory coast by Konan PG, Vodi CC, Dekou AH, Fofana A, Gowé EE, and Manzan K is licensed by CC BY 4.0 (https://openi.nlm.nih.gov/detailedresult.php?img=PMC4647508_12894_2015_101_Fig5_HTML&query=cancer+of+the+penis&it=xg&req=4&npos=1)

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