CIRCULATION

ACUTE CORONARY SYNDROMES


ACYANOTIC DEFECTS


ANEURYSMS & DISSECTION


BRADYCARDIA & HEART BLOCK


the USMLE Step 1 2017 (27 edition)

CARDIAC TUMORS

CARDIOMYOPATHY
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CORONARY ARTERY DISEASE

CYANOTIC DEFECTS
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HEART FAILURE


HEART VALVE DISEASE


HYPERTENSION & HYPOTENSION


INFECTIONS & INFLAMMATION OF THE HEART


LYMPHATIC DYSFUNCTION


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SUDDEN CARDIAC DEATH


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neuroendocrine-carcinoid-tumors

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LIVER & GALLBLADDER CONGENITAL CONDITIONS


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LOWER GASTROINTESTINAL CONGENITAL MALFORMATIONS


MALABSORPTION CONDITIONS


ORAL DISEASE


 article/186735-overview


HEMATOLOGY

CONGENITAL ANEMIA

DYSPLASTIC & PROLIFERATIVE DISORDERS

HYPERCOAGULABLE DISORDERS

HYPOCOAGULABLE DISORDERS

LEUKEMIAS


Sattar, H. A. (2017). Fundamentals of Pathology: Medical Course and Step 1 Review. USA: Pathoma LLC.

LYMPHOMAS


MACROCYTIC ANEMIA


METHEMOGLOBINEMIA


MICROCYTIC ANEMIA


NORMOCYTIC ANEMIA (DECREASED PRODUCTION)


NORMOCYTIC ANEMIA (INCREASED HEMOLYSIS)


PLASMA CELL DYSCRASIAS


Waldenström’s macroglobulinemia. (n.d.). In Wikipedia. Retrieved February 6, 2018 from https://en.wikipedia.org/wiki/Waldenstr%C3%B6m%27s_macroglobulinemia

PLATELET DISORDERS


PORPHYRIA


SPLEEN PATHOLOGY


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THROMBOCYTOPENIA


THYMS NEOPLASIA


NEUROLOGY

ADULT PRIMARY BRAIN TUMORS


AUTONOMIC DISEASES

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BRAIN ISCHEMIA


Sources

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HEAD INJURY


abusive-head-trauma-in-infants-and-children


HEADACHES


HEARING LOSS


INCREASED INTRACRANIAL PRESSURE


MOTOR NEURON DISEASES


MOVEMENT DISORDERS


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SPINAL CORD INJURY


RENAL

ACUTE & CHRONIC KIDNEY DISEASE


BLADDER & URETHRAL CONGENITAL DISORDERS


CONGENITAL KIDNEY CONDITIONS


Sources


HYPERCALCEMIA & HYPOCALCEMIA


HYPERMAGNESEMA & HYPOMAGNESEMA


HYPERNATREMIA & HYPONATREMIA


HYPERPHOSPHATEMIA & HYPOPHOSPHATEMIA


HYPERKALEMIA & HYPOKALEMIA


KIDNEY DISORDERS


nephrolithiasis-in-adults


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Chintagumpala, Murali & Muscal, Jodi A. (2017). Presentation,


URINARY & KIDNEY INFECTIONS


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URINARY INCONTINENCE


VASCULAR RENAL DISEASE


RESPIRATORY

ACUTE RESPIRATORY DISEASE


PERINATAL ACUTE RESPIRATORY DISEASE


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UPPER RESPIRATORY TRACT


UPPER RESPIRATORY TRACT CONGENITAL MALFORMATIONS


Dermatology
Burns & Frostbite

Dermatitis & Eczema

SOURCES

OSMOSIS.ORG 835


telogen-effluvium/ 


MALIGNANT SKIN TUMORS


PAPULOSQUAMOUS DISORDERS

HAIR-RELATED DISEASES


URTICARIA & ERYTHEMA NODOSUM


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ENDOCRINE
ADRENAL HYPERFUNCTION


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ADRENAL HYPERPLASIA


ADRENAL HYPOFUNCTION


DIABETES MELLITUS


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GONADAL DYSFUNCTION


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IMPRINTING DISORDERS


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Neurology: Education / Medical.


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REPRODUCTIVE
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INFERTILITY & FETAL LOSS


MALE GENITOURINARY CANCERS


CARDAVOUSCULAR

ACUTE CORONARY SYNDROMES

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ANEURYSMS & DISSECTION

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CARDIAC TUMORS

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5.5 - Soft tissue - Adult type rhabdomyoma by Vijay Shankar, M.D. is courtesy of PathologyOutlines.com (http://www.pathologyoutlines.com/topic/softtissueadultrhabdomyoma.html)

CARDIOMYOPATHY

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CYANOTIC DEFECTS

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HEART FAILURE

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HEART VALVE DISEASE

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HYPERTENSION & HYPOTENSION

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INFECTIONS & INFLAMMATIONS OF THE HEART

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COLORECTAL POLYP CONDITIONS

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ESOPHAGEAL DISEASE

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GASTRIC DISEASE

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GASTROINTESTINAL CANCERS

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INFLAMMATORY BOWEL DISEASE

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34.9 - Neonatal necrotizing enterocolitis, gross pathology 20G0023 lores by CDC/Dr. Edwin P. Ewing, Jr is public domain (https://commons.wikimedia.org/wiki/File:Neonatal_necrotizing_enterocolitis_gross_pathology_20G0023_lores.jpg)

LIVER & GALLBLADDER CONGENITAL CONDITIONS

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LIVER DISEASES

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LOWER GASTROINTESTINAL CONGENITAL MALFORMATIONS

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MALABSORPTION CONDITIONS

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**ORAL DISEASE**

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**PANCREATITIS**

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**PERITONEAL PATHOLOGY**

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**RECTAL & ANAL PATHOLOGY**

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**UPPER GASTROINTESTINAL CONGENITAL MALFORMATIONS**

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**HEMATOLOGY**

**DYSPLASTIC & PROLIFERATIVE DISORDERS**

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**LEUKEMIAS**


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LYMPHOMAS

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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)

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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)

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MACROCYTIC ANEMIA

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NORMOCYTIC ANEMIA (INCREASED HEMOLYSIS)

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PLASMA CELL DYSCRASIAS

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PORPHYRIA

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SPLEN PATHOLOGY

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THROMBOCYTOPENIA

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THYMYE NEOPLASIA

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NEUROLOGY

ADULT PRIMARY BRAIN TUMORS

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AUTONOMIC DISEASES

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BALANCE DISORDERS

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CEREBRAL CORTEX NERVOUS SYSTEM INFECTIONS

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CHILDHOOD PRIMARY BRAIN TUMORS

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CONGENITAL MYOPATHIES

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CRANIAL NERVE INJURY

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DEMENTIA

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EAR PATHOLOGY

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ENCEPHALOPATHY

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EYE INFECTIONS

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GLOBE PATHOLOGY


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INCREASED INTRACRANIAL PRESSURE

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NEUROCUTANEOUS DISORDERS

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NEUROMUSCULAR JUNCTION DISEASES

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NEUROPATHIES


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 Dwaiipayanc 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_bulbformation_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)

RENAI

ACUTE & CHRONIC KIDNEY DISEASE
106.1 - Uremic frost on forehead and scalp of young Afro-Caribbean male by Fythron 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 - Troussau’s Sign of Latent Tetany by Huckfinne is public domain (https://commons.wikimedia.org/wiki/File:Troussau%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:Михайло Андрушкевич 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_gglomerulonephritis_-_--_very_high_mag.jpg)
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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
118.1 - Diabetic glomerulosclerosis (2) HE by KGH is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Diabetic_gglomerulosclerosis_(2)_HE.jpg)
118.2 - Focal segmental glomerulosclerosis - high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Focal_segmentalglomerulosclerosis_-_--_high_mag.jpg)
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RENAI CANCER
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119.9 - Wilms tumor by The Armed Forces Institute of Pathology is public domain (https://commons.wikimedia.org/wiki/File:Wilms_tumor.jpg)

120.2 - Acute pyelonephritis - 2 - very high mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Acute_pyelonephritis_-_2_-_very_high_mag)

122.3 - Renal cortical infarction showing coagulative necrosis 40X by Department of Pathology, Calicut Medical College is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Renal_cortical_infarction_showing_coagulative_necrosis_40X)

123.3 - Diffuse alveolar damage (DAD) (5175775383) by Yale Rosen is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Diffuse_alveolar_damage_(DAD)_(5175775383).jpg)

130.3 - Pleural effusion cytology by Alex_brollo is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Pleural_effusion_cytology.JPG)

130.4 - Mesothelioma: gross pathology by Dr. Michael Gibson, M.S., M.D.; Ralph Matar; Rim Halaby is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Malignant_epithelioid_mesothelioma_-_very_high_mag.jpg)

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126.5 - Bronchiectasis with aspergilloma (5136953654) by Yale Rosen is licensed by CC BY-SA 2.0 (https://commons.wikimedia.org/wiki/File:Bronchiectasis_with_aspergilloma_(5136953654).jpg)

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126.9 - Alveolar hyperdistension (8642891447) by Yale Rosen is licensed by CC BY-SA 2.0 (https://commons.wikimedia.org/wiki/File:Alveolar_hyperdistension_(8642891447).jpg)

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130.6 - Squamous Cell Carcinoma, Bronchial Washing, Pap Stain (8695759125) by Ed Uthman is licensed by CC BY 2.0 (https://commons.wikimedia.org/wiki/File:Squamous_Cell_Carcinoma,_Bronchial_Washing,_Pap_Stain_(8695759125).jpg)
RESTRICTIVE LUNG DISEASE

131.2 - Clubbing of fingers in IPF by IPFeditor is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Clubbing_of_fingers_in_IPF.jpg)


131.5 - Asteroid Body in Sarcoidosis by Ed Uthman, MD is licensed by CC BY-SA 2.0 (https://commons.wikimedia.org/wiki/File:Asteroid_Body_in_Sarcoidosis.jpg)

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UPPER RESPIRATORY TRACT

133.1 - Nasal polyp 100x H+E (1) by Roman M. Krenz is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/Category:Histopathology_of_nasal_polyp#/media/File:Nasal_polyp_100x_H%2BE_(1).tif)

133.2 - CHOANAL POLYP PerfectlyClear by Michael Hawke MD is licensed by CC BY 4.0 (https://commons.wikimedia.org/wiki/File:CHOANAL_POLYP_PersonallyClear.jpg)

133.3 - PeritonsilarAbsess by James Heilman,MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:PeritonsilarAbsess.jpg)

UPPER RESPIRATORY TRACT CONGENITAL MALFORMATIONS

134.3 - Laryngomalacia by Doctormichael is public domain (https://commons.wikimedia.org/wiki/File:Laryngomalacia.jpg)
Dermatology

Burns & Frostbite

1.1 - Actinic keratosis on ear by Future FamDoc is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Actinic_ keratosis_on_ear.JPG)
1.2 - Bowenoid actinic keratosis - high mag by Nezhen is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/Category:Histopathology_of_actinic_keratosis#/media/File: Bowenoid_actinic_keratosis_-_high_mag.jpg)
1.3 - Sunburn by QuinnHK at English Wikipedia is public domain (https://commons.wikimedia.org/wiki/File:Sunburn.jpg)
1.4 - Brandwond-graad2 by ErikHm is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Brandwond-graad2.JPG)
1.5 - 8-day-old-3rd-degree-burn by Craig0927 is public domain (https://commons.wikimedia.org/wiki/Category:Burns#/media/File:8-day-old-3rd-degree-burn.jpg)
1.6 - Frostbitten hands by Winky from Oxford, UK is licensed by CC BY 2.0 (https://commons.wikimedia.org/wiki/File:Frostbitten_ hands.jpg)
1.7 - Human toes, 3 weeks post-frostbite by Dr. S. Falz is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/Category:Frostbite#/media/File:Human_toes_3_weeks_post-frostbite.jpg)
1.8 - Desquamation (1) by Ingmar / Ezhar is licensed by CC BY-SA 2.0 (https://commons.wikimedia.org/wiki/File:Desquamation_(1).jpg)

Dermatitis & Eczema

2.1 - 520 Eczema by OpenStax College is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:520_Eczema.jpg)
2.2 - Urushiol-induced contact dermatitis 7 days after contact by Nunyabb at English Wikipedia is public domain (https://commons. wikimedia.org/wiki/File:Urushiol-induced_contact_dermatitis_7_days_after_contact.jpg)
2.3 - Seborrheic dermatitis highres by Roymishali is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Seborrhoeic_dermatitis_highres.jpg)

Erythema Multiforme & Drug Eruption

3.1 - Confluent epidermal necrosis - high mag by Grook Da Oger is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Erythema_Multiforme_EM_01.jpg)
3.2 - Stevens-johnson-syndrome by Dr. Thomas Habif is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File: Stevens-johnson-syndrome.jpg)
3.3 - TENS patient on day 10 by Jay2Base is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:TENS_patient_on_ day_10.jpg)
3.4 - Confluent epidermal necrosis - high mag by Nezhen is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File: Confluent_epidermal_necrosis_-_high_mag.jpg)

Papulosquamous Disorders

6.1 - Lichen Planus (2) by James Heilman, MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Lichen_ Planus_(2).jpg)
6.2 - Lichen planus intermed mag by Nezhen is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Lichen_ planus_intermed_mag.jpg)
6.3 - Pityriasis rosea by Centers for Disease Control and Prevention (CDC) / Dmcdv8it is public domain (https://commons. wikimedia.org/wiki/File:Pityriasis_rosea.JPG)
6.4 - Pityriasis front by James Heilman, MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Pityriasis_front.jpg)
6.5 - Psoriasis2010 by James Heilman, MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Psoriasis2010. jpg)
6.6 - Linke Hand nach einer Woche by Psoriasis-Netz is licensed by CC BY 2.0 (https://www.flickr.com/photos/ psoriasis-netz/24905965693/in/photolist-DWRzTB-5ngmns-5n2Qyl-ee8uPK-3uNMLV-k8tv1T-bzzT5S-5TP6yM-J9mdk- RqhrGQ-5T7znf-5THQ5-5P1UV-7978Dd-5a527J-5bkbPE- 5T1Tma-G5T7eb-8j4Gn2-59MRgB-5mH35-e0f5xm-aNk69P- jhV76n-eo8pqg-5q7CC-ee8Wg5-e0H2yy-eYHtp-57rAPa- 5TP6Hz-5Fk61M-5pYQOQ-bzzJBS-jDyX9b-57U4eW-5sCxp4- bNMBLM-8MxP6-5kFWHE-aYhxp2-5CUGyj-8mURX6-fCxGyV- 58GRZ-d39LBQ-Pm4iE-PmDsg-dqXgky-Pm4e1)
PIGMENTATION DISORDERS

7.1 - Albino baby by Felipe Fernandes 03 by Felipe Fernandes is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Albino_baby_by_Felipe_Fernandes_03.jpg)

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SKIN & SOFT TISSUE INFLAMMATION & INFECTIONS

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8.3 - Facial erysipelas by CDC/Dr. Thomas F. Sellers/Emory University is public domain (https://commons.wikimedia.org/wiki/File:Facial_erysipelas.jpg)

8.4 - Folliculitis2 by Da pacem Domine is public domain CC0 1.0 (https://commons.wikimedia.org/wiki/File:Folliculitis2.jpg)

8.5 - Impetigo-infected by Åsa Thörn is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Impetigo-infected.jpg)

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URTICARIA & ERYTHEMA NODOSUM

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9.2 - ENlegs by James Heilman, MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:ENlegs.jpg)

9.3 - AngioedemaFra by James Heilman, MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:AngioedemaFra.jpg)

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VESICULOBULLOUS DISEASES

10.1 - Skin Pemphigoid Medium Magnification by Sarahkayb is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Skin_Pemphigoid_Medium_Magnification.jpg)

10.2 - HandsEBS by James Heilman, MD is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:HandsEBS.jpg)

10.3 - Pemphigus vulgaris - intermed mag by Nephron is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Pemphigus_vulgaris__intermed_mag.jpg)

ENDOCRINE

ADRENAL HYPERFUNCTION

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ADRENAL HYPOFUNCTION


DIABETES MELLITUS

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ENDOCRINE TUMORS

15.2 - Densely granulated HGH producing adenoma - Anaplastic carcinom by Jensflorian is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Densely_granulated_HGH Producing_adenoma.jpg)


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19.6 - Goitre by Almazi at English Wikipedia is public domain (https://commons.wikimedia.org/wiki/File:Goitre.jpg)

20.1 - Carcinoid tumor with postobstructive pneumonia by The Armed Forces Institute of Pathology (AFIP) is public domain (https://commons.wikimedia.org/wiki/File:Carcinoid_tumor_with_postobstructive_pneumonia.jpg)

20.2 - Tumorlet (7145276785) by Yale Rosen is licensed by CC BY-SA 2.0 (https://commons.wikimedia.org/wiki/File:Tumorlet_(7145276785).jpg)

20.3 - Adrenal Neuroblastoma 2 MP CTR by Sarahkayb is licensed by CC BY-SA 4.0 (https://commons.wikimedia.org/wiki/File:Adrenal_Neuroblastoma_2_MP_CTR.jpg)

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)

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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)

22.1 - Doublejointedhand by Paola Cerruti Mainardi is licensed by CC BY 2.0 (https://commons.wikimedia.org/wiki/File:Doublejointedhand.jpg)

22.2 - 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.jpg)

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24.2 - Xeroderma pigmentosum 02 by James Halpern, Bryan Hopping and Joshua M Brostoff is licensed by CC BY-SA 3.0 (https://commons.wikimedia.org/wiki/File:Xeroderma_pigmentosum_02.jpg)

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SEX CHROMOSOME DISORDERS
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TRINUCLEOTIDE REPEAT EXPANSION DISEASES
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TRISOMIES
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HYPERSENSITIVITY REACTIONS: MULTIPLE MECHANISMS
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T-CELL DEFICIENCIES
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TYPE III REACTIONS
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TYPE IV REACTIONS
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METABOLISM
AMINO ACID METABOLISM DISORDERS
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MALNUTRITION
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WATER SOLUBLE VITAMINS DEFICIENCY
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MICROBIOLOGY
AEROBIC RODS
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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
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CENTRAL NERVOUS SYSTEM INFECTIONS
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CESTODES (TAPEWORMS)
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CHLAMYDIA

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COCCOBACILLI: AEROBES
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COCCOBACILLI: FACULTATIVE ANEROBES
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COMMA-SHAPED RODS
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CUTANEOUS FUNGAL INFECTIONS
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DIPLOCCOCI: AEROBIC
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ECTOPARASITES
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FILAMENTS
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FILOVIRUSES
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GASTROINTESTINAL INFECTIONS
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GENERAL INFECTIONS
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HEMATOLOGIC INFECTIONS
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**HEPADNAVIRIDAE**

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**HERPESVIRUSES**

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**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 anastomasis - 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_anastomasis_-_joining_up_of_two_ends_-_clearly_if_we_cut_out_a_section_of_bowel_we%27re_left_with_two_ends_that_need_to_beJoined up_(South_Africa)_(15806559973).jpg)

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**NON TUBERCULOUS MYCOBACTERIUM**

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**OPPORTUNISTIC FUNGAL INFECTIONS**

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**PARAMYXOVIRUSES**

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**PARVOVIRUS**

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**PICORNAVIRUSES**

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**POXVIRIDAE**

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**RETROVIRUSES**

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**RHABDOVIRUSES**

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**RICKETTSIAL DISEASES**

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**RODS**

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96.6 - 16552 by CDC/ Christina Nelson, MD, MPH is public domain (https://phil.cdc.gov/Details.aspx?pid=16552)

**SPIROCHETES**

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**STAPHYLOCOCCUS**

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STREPTOCOCCUS
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SYSTEMIC MYCOSES
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TOGAVIRUSES
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TREMATODES (FLATWORMS)
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TRYPANOSOMA
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TUBERCULOSIS
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MUSCULOSKELETAL
BONE & JOINT INFECTIONS
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MALE GENITOURINARY CANCERS


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