

SYNDROMES

ENVIRONMENTAL CAUSES

- **ACUTE RADIATION SYNDROME:** Radiation exposure.
 - 12 hours post-exposure: Vomiting
 - 24 hours post-exposure: Prostration (extreme exhaustion), fever, diarrhea
 - Later: Petechial hemorrhage, hypotension, tachycardia, profuse bloody diarrhea, maybe death.
- **CHINESE RESTAURANT SYNDROME:** *MSG reaction* -----> Chest Pain, burning sensation over parts of body.
- **BROWN-SEQUARD SYNDROME:** Damage (injury) to half of spinal cord -----> symptoms:
 - Loss of pain and temperature sensation on contralateral side of body.
 - Loss of proprioception and discriminatory touch on ipsilateral side of body.

CARDIOVASCULAR

- **ADAMS-STOKES SYNDROME:** Heart block, with slow or absent pulse, often accompanied by convulsions.
- **BARLOW SYNDROME:** *Floppy Mitral Valve Syndrome; Massive Mitral Valve Prolapse* -----> Late apical systolic murmur, systolic click, or both.
- **EISENMENGER'S SYNDROME:** *Ventricular-Septal Defect* -----> Pulmonary hypertension and cyanosis.
- **FLOPPY-VALVE SYNDROME:** *Mitral Incompetence* due to myxomatous degeneration of the leaflets.
- **LERICHE'S SYNDROME:** *Occlusion of distal aorta* ----->
 - Hip, thigh, and calf fatigue.
 - Impotence
- **BEHCET'S SYNDROME:** *Vasculitis* -----> secondary symptoms:
 - Oral and genital ulcers
 - Uveitis
 - Optic atrophy
- **SHOULDER-HAND SYNDROME:** Pain in shoulder and swelling in hand, sometimes occurring after Myocardial Infarction.
- **SICK SINUS SYNDROME:** *Chaotic atrial activity*, continual changes in P-Waves. Bradycardia, alternating with recurrent ectopic beats and runs of tachycardia.
- **SUPERIOR VENA CAVA SYNDROME:** Caused by a tumor. Obstruction of SVC ----->
 - Edema

- Engorgement of the vessels of face, neck, and arms.
- Nonproductive cough
- Dyspnea

- **TAKAYASU'S SYNDROME:** Arteritis of the Aortic Arch, resulting in no pulse. Seen in young women.
- **WOLF-PARKINSON WHITE SYNDROME:** ECG pattern of *Paroxysmal Tachycardia*.
 - Short PR interval
 - Delta wave = early QRS complex.

IATROGENIC (or Secondary to Medical Treatment)

- **AFFERENT LOOP SYNDROME:** Gastrojejunal loop obstruction, proximal to a gastrojejunostomy.
 - Ingestion of food produces nausea, pain, and duodenal distension.
- **ASHERMAN'S SYNDROME:** *Adhesions within the endometrial cavity*, causing amenorrhea and infertility.
 - Adhesions probably were caused by surgery.
- **ULYSSES SYNDROME:** Ill effects from follow-up diagnostic tests following a false-positive screening test.

NEOPLASTIC (Malignant or Benign)

- **CARCINOID SYNDROME:** Carcinoid tumor producing *Bradykinin + Serotonin* -----> secondary symptoms:
 - Cyanotic flushing
 - Diarrhea
 - Bronchial spasm
 - Edema, ascites.
- **CRONKHITE-CANADA SYNDROME:** *GI-Polyps with diffuse alopecia (hair-loss) and nail dystrophy*.
 - May see protein-losing enteropathy and malabsorption.
- **GARDNER'S SYNDROME:** Multiple inherited tumors, hereditary dominant trait.
 - Skull osteomas, Fibromas, Epidermoid cysts
 - Colonic polyposis (APC gene) -----> predisposition to colonic adenocarcinoma.
- **LAMBERT-EATON SYNDROME:** Progressive proximal muscle weakness secondary to a carcinoma.
- **MEIGS' SYNDROME:** *Fibroma of ovary* with ascites and hydrothorax
- **PANCOAST SYNDROME:** *Tumor near pulmonary apex* ----->

- Neuritic pain of chest and arm
 - Muscle atrophy of the arm
 - Horner's Syndrome (impaired cervical sympathetics)
 - **PEUTZ-JEGHERS SYNDROME:** Polyposis (*hamartomas*) of small intestine
 - Also see melanin pigmentation of buccal mucosa and skin around mouth and lips
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CONGENITAL

- **CEREBELLAR SYNDROME:** *Congenital Cerebellar Ataxia*
- **CERVICAL SYNDROME:** *Supernumerary C7 rib* - ----> Pressure on brachial plexus ----> pain radiating over shoulder, arm, and forearm over C7 distribution.
- **DANDY-WALKER SYNDROME:** *Obstruction of Foramina of Magendie and Luschka* in infants ----> Hydrocephalus.
- **DIGEORGE SYNDROME:** *Congenital absence of 3rd and 4th Branchial Arches (Thymus and Parathyroid Glands)* ----> secondary symptoms:
 - No cell-mediated immunity ----> Frequent viral and fungal infections
 - Characteristic facial deformities
- **DOWN SYNDROME:** *Trisomy 21*. Mental retardation, characteristic facial features, Simeon crease in hand.
- **FANCONI'S SYNDROME Type I:** *Bone-marrow hypoplasia* ----> refractory anemia, pancytopenia.
- **EHLERS-DANLOS SYNDROME:** Congenital defect in collagen.
 - Hyper-elasticity and friability of the skin.
 - Hyperextensibility of the joints.
- **FETAL ALCOHOL SYNDROME:** Fetal malformations, growth deficiencies, craniofacial anomalies, limb defects.
- **GOODPASTURE'S SYNDROME:** Autoantibodies against basement membranes ----> *Glomerulonephritis* (kidney) and *hemoptysis* (lungs).
 - Often, death by renal failure
- **KLINEFELTER'S SYNDROME:** Trisomy XXY ---> testicular atrophy, increase in gonadotropins in urine.
- **KLIPPEL-FEIL SYNDROME:**
 - Cervical vertebrae fused
 - Congenital short neck, limited neck rotation
 - Abnormalities of the brainstem and cerebellum
 - Low hairline.
- **LESCH-NYHAN SYNDROME:** *Deficiency of HGPRT (Hypoxanthine-Guanine Phosphoribosyltransferase)* ---->
 - Hyperuricemia, uric acid kidney stones
 - Choreoathetosis

- Mental retardation, autism, spastic cerebral palsy
 - X-Linked recessive
 - **MARFAN SYNDROME:** Connective Tissue disorder ---->
 - *Arachnodactyly:* Abnormally long digits and extremities
 - Subluxation of lens
 - Dissecting aortic aneurism
 - **POSTRUBELLA SYNDROME:** Infantile defects resulting from maternal Rubella infection during first trimester.
 - Microphthalmos, cataracts
 - Deafness
 - Mental retardation
 - Patent ductus arteriosus, Pulmonary arterial stenosis
 - **PRADER-WILLI SYNDROME:** Short stature, mental retardation, polyphagia with marked obesity, sexual infantilism.
 - **RENDU-OSLER-WEBER SYNDROME:** *Hereditary hemorrhagic telangiectasia.*
 - **SUDDEN INFANT DEATH SYNDROME:** Unexplained death in sleeping infants.
 - **TURNER'S SYNDROME:** XO monosomy.
 - Dwarfism
 - Webbed neck
 - Valgus of elbow.
 - Amenorrhea
 - **WILSON SYNDROME:** Congenital defect in *Ceruloplasmin*, leading to buildup of copper ----> mental retardation, cirrhosis, hepatolenticular degeneration.
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ENDOCRINE, REPRODUCTIVE

- **AMENORRHEA-GALACTORRHEA SYNDROME:** *Non-physiologic lactation*, resulting from endocrinologic causes or from a pituitary disorder.
- **CONN'S SYNDROME:** *Primary Hyperaldosteronism* ----> muscular weakness, hypertension, hypokalemia, alkalosis.
- **CUSHING'S SYNDROME:** *Hypersecretion of cortisol* ----> secondary symptoms and characteristics:
 - Fatness of face and trunk with wasting of extremities
 - Buffalo hump
 - Bone decalcification
 - Corticoid diabetes
 - Hypertension
- **PREMENSTRUAL SYNDROME:** Abnormal sensation in breasts, abdominal pain, thirst, headache, pelvic congestion, nervous irritability.
 - Occasionally nausea and vomiting.

- **SHEEHAN'S SYNDROME:** *Post-partum pituitary necrosis* -----> hypopituitarism.
- **STEIN-LEVENTHAL SYNDROME:** *Polycystic ovary* -----> infertility, amenorrhea, hirsutism. Seen in obese women.
- **TESTICULAR FEMINIZATION SYNDROME:** Insensitivity to Testosterone. Male Pseudohermaphroditism
 - Complete female external genitalia, incompletely developed vagina, rudimentary uterus.

PULMONARY

- **KARTAGENER'S SYNDROME:** *Situs Inversus* (lateral transposition of lungs) resulting from chronic sinusitis and bronchiectasis.
- **HAMMAN-RICH SYNDROME:** *Interstitial fibrosis of the lung.*
- **MIDDLE-LOBE SYNDROME:** Chronic pneumonitis and atelectasis of middle lobe of right lung.
- **CHURG-STRAUSS SYNDROME:** *Allergic Granulomatous Angiitis.* Asthma, fever, eosinophilia.

INFECTIOUS

- **FITZ-HUGH-CURTIS SYNDROME:** *Gonococcal Perihepatitis* in woman, as a complication of Gonorrhea.
- **GUILLAN-BARRE SYNDROME:** *Infectious Polyneuritis* of unknown cause.
- **HUNT'S SYNDROME:** *Herpes Zoster* infection of Facial Nerve (CN VII) and Geniculate Ganglion -----> facial palsy.
 - Zoster of ear
- **REYE'S SYNDROME:** Loss of consciousness and seizures in kids, after a viral infection treated by aspirin.
- **REITER'S SYNDROME:** Symptom cluster. Etiology is thought to be Chlamydial or post-chlamydial.
 - Urethritis
 - Iridocyclitis (Conjunctivitis)
 - Arthritis
 - Skin lesions like keratoderma blenorrhagicum
 - Also can see fatty liver or liver necrosis.
- **SCALDED SKIN SYNDROME:** *S. Aureus* toxic epidermal necrolysis.
- **STEVENS-JOHNSON SYNDROME:** *Erythema Multiforme* complication.
 - Large areas of skin slough, including mouth and anogenital membranes.
 - Mucous membranes: stomatitis, urethritis, conjunctivitis.

- Headache, fever, malaise.
- **TOXIC SHOCK SYNDROME:** Caused by superabsorbent tampons. Infection with *Staph Aureus* and subsequent toxicity of exotoxin TSST -----> systemic anaphylaxis.
 - Fever, vomiting, diarrhea
 - Red rash followed by desquamation
- **WATERHOUSE-FRIEDRICHSON SYNDROME:** *Meningococcal Meningitis* -----> DIC, hemorrhagic infarct of adrenal glands ----> fulminant adrenal failure.
 - Vomiting, diarrhea.
 - Shock
 - Extensive purpura, cyanosis, circulatory collapse.

RENAL

- **KEMMELSTIEL-WILSON SYNDROME:** *Diabetic Glomerulosclerosis.*
- **BARTTER'S SYNDROME:** *Juxtaglomerular Cell Hyperplasia* -----> secondary symptoms:
 - Hyperaldosteronism, Hypokalemic Alkalosis, elevated renin and angiotensin
 - No hypertension.
 - Compare to Conn's Syndrome
- **FANCONI'S SYNDROME Type II:** Renal aminoaciduria, glycosuria, hypophosphaturia, cysteine deposition, rickets.
- **THORN'S SYNDROME:** *Salt-losing nephritis.*

NEUROLOGICAL

- **CARPAL-TUNNEL SYNDROME:** *Compression of Median Nerve through the Carpal Tunnel* -----> pain and paresthesia over distribution of Median N.
- **FROIN'S SYNDROME:** *Block in CSF flow* ----> *xanthochromia* (yellow discoloration) of CSF.
- **ACUTE-BRAIN SYNDROME:** Delirium, confusion, disorientation, developing suddenly in a person that was previously psychologically normal.
- **GERSTMANN'S SYNDROME:** *Lesion between occipital area and angular gyrus* -----> symptoms:
 - Finger agnosia, Agraphia, acalculia
 - Right-left disorientation
- **HORNER'S SYNDROME:** *Loss or lesion of cervical sympathetic ganglion* ----->
 - Ptosis, miosis, anhidrosis
 - Enophthalmos (caved in eyes)

- **KORSAKOFF SYNDROME:** Loss of short-term memory in chronic alcoholism, caused by degeneration of mamillary bodies.
- **RILEY-DAY SYNDROME:** *Familial dysautonomia.*

GASTROINTESTINAL

- **MALLORY-WEISS SYNDROME:** Laceration of lower end of esophagus from *vomiting* -----> hematemesis. Often seen in alcoholics.
- **MALABSORPTION SYNDROME:** Impaired absorption of dietary substance -----> diarrhea, weakness, weight loss, or symptoms from specific deficiencies.
- **BARRET SYNDROME:** Chronic peptic ulcer of the lower esophagus, resulting in metaplasia of esophageal columnar epithelium -----> squamous epithelium.
- **ZOLLINGER-ELLISOHN SYNDROME:** *Gastrin-secreting tumor* in pancreas -----> Severe peptic ulcers, gastric hyperacidity.
- **PLUMMER-VINSON SYNDROME:** Esophageal Webs, leading to dysphagia and atrophy of papillae of tongue.
 - Also see hypochromic anemia, splenomegaly.

RETICULOENDOTHELIAL, HEMATOLOGIC

- **BANTI'S SYNDROME:** *Chronic Congestive Splenomegaly* with anemia, caused by either Portal Hypertension or Splenic Vein Thrombosis.
- **BUD-CHIARI SYNDROME:**
 - ACUTE: *Hepatic Vein Thrombosis* -----> Massive ascites and dramatic death.
 - CHRONIC: Gradual hepatomegaly, portal hypertension, nausea, vomiting, edema, ultimately death.
- **DUBIN-JOHNSON SYNDROME:** *Defect in excretion of conjugated bilirubin* -----> *recurrent mild jaundice*. Buildup of direct bilirubin in blood.
- **CHIDIAK-HIGASHI SYNDROME:** Abnormalities in leukocytes with large inclusions.
- **CRUVEILHIER-BAUMGARTEN SYNDROME:** Symptoms cluster:
 - *Liver cirrhosis*
 - *Caput Medusae*
 - *Venous hum and thrill*
- **FELTY'S SYNDROME:** Rheumatoid Arthritis with splenomegaly, leukopenia, anemia, and thrombocytopenia.
- **LOFFLER'S SYNDROME:** *Eosinophilia with transient infiltrates in lungs.*

UNCATEGORIZED

- **YELLOW-NAIL SYNDROME:** Stop growth of nails -----> increased convexity, thickening, and yellowing of nails.
 - Found in Lymphedema, bronchitis, chronic bronchiectasis.
- **COSTOCHONDRAL SYNDROME:** Pain in chest with tenderness over one or more costochondral junctions.
 - Similar to Tietze's Syndrome but no specific inflammation.
- **TIETZE'S SYNDROME:** Costochondritis. Swelling and tenderness of the costal cartilage.
- **MIKULICZ'S SYNDROME:** *Salivary and lacrimal enlargement* as seen in several diseases:
 - Sarcoidosis
 - Tuberculosis
 - Leukemia
- **MUNCHAUSEN SYNDROME:** *Malingering* - fabrication of a clinically convincing disease by an itinerant malingerer.
- **PICKWICKIAN SYNDROME:** Symptom cluster
 - Obesity
 - Hypoventilation
 - Somnolence
 - Erythrocytosis
- **RESTLESS LEGS SYNDROME:** Need to stretch legs at night before going to sleep; twitch in legs causing insomnia.
- **STRAIGHT BACK SYNDROME:** *Loss of normal kyphosis of thoracic spine* ----->
 - Straight spine
 - Ejection murmur
 - Widened cardiac silhouette on x-ray
- **SJÖGREN'S SYNDROME:** Autoimmune complex
 - Keratoconjunctivitis Sicca (dry eyes and mouth)
 - Dryness of Mucous membranes
 - Telangiectasias in face
 - Parotid enlargement