

Pathophysiology Of Infectious Disease Audio Review

Systemic vasculitides are categorized as small, medium... e1ec0bec41 Croup can be caused by a number of viruses including parainfluenza and influenza virus. Rarely is it due to a bacterial infection. Croup is typically diagnosed based on signs and symptoms after potentially more severe causes, such as epiglottitis or an airway foreign body, have been ruled out. Further investigations, such as blood... e1ec0bec41 Numerous secondary symptoms of vasculitis can occur, such as thrombosis, aneurysm formation, bleeding, occlusion of an artery, loss of weight, exhaustion, depression, fever, and widespread pain that worsens in the morning. e1ec0bec41

Croup These symptoms may be mild, moderate, or severe. BC Children's Croup (KROOP), also known as croupy cough, is a type of respiratory infection that is usually caused by a virus. Philadelphia: Saunders. "Diagnosis and Management of Croup" (PDF). ISBN 978-0-7216-9329-3. It often starts or is worse at night and normally lasts one to two days. p. The infection leads to swelling inside the trachea, which interferes with normal breathing and produces the classic symptoms of "barking/brassy" cough, inspiratory stridor, and a hoarse voice. 252. Textbook of pediatric infectious diseases. Fever and runny nose may also be present e1ec0bec41

Chronic obstructive pulmonary disease Chronic obstructive pulmonary disease (COPD) is a type of progressive lung disease characterized by chronic respiratory symptoms and airflow limitation Chronic obstructive pulmonary disease (COPD) is a type of progressive lung disease characterized by chronic respiratory symptoms and airflow limitation. GOLD defines COPD as a heterogeneous lung condition characterized by chronic respiratory symptoms (shortness of breath, cough, sputum production or exacerbations) due to abnormalities of the airways (bronchitis, bronchiolitis) or alveoli (emphysema) that cause persistent, often progressive, airflow obstruction e1ec0bec41

Autoimmune disease in women The reasons for these disparities are still under investigation, but may in part involve the presence of an additional X chromosome in women (given that several genes on the X chromosome are associated with immune system development), as well as the higher presence of female sex hormones such as estrogen (which increases immune system response). (2019). PMC 2483869. The risk, incidence, and character of autoimmune disease in women may also be associated with female-specific physiological changes, such as hormonal shifts during menses, pregnancy, and menopause. A LANGE medical book (Eighth ed Autoimmunity refers to a pathological immune response of the body's immune system against itself. Autoimmune disease is widely recognized to be significantly more common in women than in men, and often presents differently between the sexes. PMID 18614511. Hammer GD, McPhee SJ, eds. Pathophysiology of disease: an introduction to clinical medicine e1ec0bec41

Cough Frequent coughing usually indicates the presence of a disease. height—can reduce the spread of infectious droplets in the air. Coughing into one's elbow or toward the ground—rather than forward at breathing height—can reduce the spread of infectious droplets in the air. As a protective reflex, coughing can be repetitive with the cough reflex following three phases: an inhalation, a forced exhalation against a closed glottis, and a violent release of air from the lungs following opening of

the glottis, usually accompanied by a distinctive sound. Many viruses and bacteria A cough is a sudden expulsion of air through the large breathing passages which can help clear them of fluids, irritants, foreign particles and microbes e1ec0bec41

Pneumonia Infectious Diseases. 15 (4): 439–50 Pneumonia is an inflammatory condition of the lung primarily affecting the small air sacs known as alveoli. features for diagnosis of pneumonia in children younger than 5 years: a systematic review and meta-analysis". The Lancet. Symptoms typically include some combination of productive or dry cough, chest pain, fever, and difficulty breathing. The severity of the condition is variable e1ec0bec41

There are two recognized forms of narcolepsy, narcolepsy type 1 and type 2. Narcolepsy type 1 (NT1) can be clinically characterized by symptoms of EDS and cataplexy, and/or will have cerebrospinal fluid (CSF) orexin levels of less than 110 pg/ml. Cataplexy are transient episodes of aberrant tone, most typically loss of tone, that can be associated with strong emotion. In pediatric-onset narcolepsy, active motor... e1ec0bec41 Asthma is thought to be caused by a combination of genetic and environmental... e1ec0bec41

Asthma It is characterized by variable and recurring symptoms, reversible airflow obstruction, and easily triggered bronchospasms. Foundation. These may occur a few times a day or a few times per week. Symptoms include episodes of wheezing, coughing, chest tightness, and shortness of breath. A sudden worsening of asthma symptoms sometimes called an 'asthma attack' or an 'asthma exacerbation' can occur when allergens, pollen, dust, or other particles, are inhaled into the lungs, causing the bronchioles to constrict and produce mucus, which then restricts oxygen flow to the alveoli. In 1873, one of the first papers in modern medicine on the subject tried to explain the pathophysiology of the disease while one in 1872, concluded Asthma is a common long-term inflammatory disease of the bronchioles of the lungs. Depending on the person, asthma symptoms may become worse at night or with exercise e1ec0bec41

Pneumonia is usually caused by infection with viruses or bacteria, and less commonly by other microorganisms. Identifying the responsible pathogen can be difficult. Diagnosis is often based on symptoms and physical examination. Chest X-rays, blood tests, and culture of the sputum may help confirm the diagnosis. The disease may be classified by where it was acquired, such as community- or hospital-acquired or healthcare-associated pneumonia. e1ec0bec41 Tumors, medications, allergic reactions, and infectious organisms are some of the recognized triggers for these conditions, even though the precise cause of many of them is unknown. Immune complex disease, anti-neutrophil cytoplasmic antibodies, anti-endothelial cell antibodies, and cell-mediated immunity are examples of pathogenetic factors. e1ec0bec41

Narcolepsy Proposed pathophysiology as an autoimmune disease suggest antigen presentation Narcolepsy is a chronic neurological disorder that impairs the ability to regulate sleep-wake cycles, and specifically impacts REM (rapid eye movement) sleep. The symptoms of narcolepsy include excessive daytime sleepiness (EDS), sleep-related hallucinations, sleep paralysis, disturbed nocturnal sleep (DNS), and cataplexy. People with narcolepsy typically have poor quality of sleep. consideration for the cause of narcolepsy type 1 is that it is an autoimmune disorder e1ec0bec41

Risk factors for pneumonia include cystic fibrosis, chronic obstructive pulmonary disease... e1ec0bec41 Hearing loss may be caused by a number of factors, including: genetics, ageing, exposure to noise, some infections, birth complications, trauma to the ear, and certain medications or toxins. A common condition that results in

hearing loss is chronic ear... e1ec0bec41 Common autoimmune... e1ec0bec41 The main symptoms of COPD include shortness of breath and a cough, which may or may not produce mucus. COPD progressively worsens, with everyday activities such as walking or dressing becoming difficult. While COPD is incurable, it is preventable and treatable. The two most common types of COPD are emphysema and chronic bronchitis, and... e1ec0bec41

White-nose syndrome The condition is named for a distinctive fungal growth around the muzzles and on the wings of hibernating bats. 9 (1): 17–21. (January 2003). It was first identified from a February 2006 photo taken in a cave located in Schoharie County, New York. doi:10. states and seven Canadian provinces; plus the fungus, albeit sans syndrome, had been found in three additional states. Most cases are in the eastern half of both countries, but in March 2016, it was confirmed in a little brown bat in Washington state. The syndrome has rapidly spread since then. S. In 2019, evidence of the fungus was. In early 2018, it was identified in 33 U. "Geographic translocation of bats: known and potential problems". Emerging Infectious Diseases. 020104 White-nose syndrome (WNS) is a fungal disease in North American bats which has resulted in the dramatic decrease of the bat population in the United States and Canada, reportedly killing millions as of 2018. 3201/EID0901 e1ec0bec41

Hearing loss 1093/cid/cit609. PMID 24257423. "1. PMC 3836573. In children, hearing problems can affect the ability to acquire spoken language. Clinical Infectious Diseases. In some people, particularly older people, hearing loss can result in loneliness. Hearing loss may be present at birth or acquired at any time afterwards. Hearing loss related to age usually affects both ears and is due to cochlear hair cell loss. 57 Suppl 4 (suppl_4): S182–84. Hearing loss may occur in one or both ears. 1 billion people at risk of hearing Hearing loss is a partial or total inability to hear. doi:10. Hearing loss can be temporary or permanent. In adults, it can create difficulties with social interaction and at work e1ec0bec41

Systemic vasculitis Tumors, medications, allergic reactions, and infectious organisms Necrotizing vasculitis, also called systemic necrotizing vasculitis, is a general term for the inflammation of veins and arteries that develops into necrosis and narrows the vessels. inflammation of veins and arteries that develops into necrosis and narrows the vessels e1ec0bec41

Frequent coughing usually indicates the presence of a disease. Many viruses and bacteria benefit, from an evolutionary perspective, by causing the host to cough, which helps to spread the disease to new hosts. Irregular coughing... e1ec0bec41

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