

Robbins And Cotran Pathologic Basis Of Disease 8th Edition

Hereditary spherocytosis (2005). ; Abbas, Abul K. ; Kumar, Vinay; Fausto, Nelson; Nelso Fausto; Robbins, Stanley L. This abnormal shape interferes with the cells' ability to flex during blood circulation, and also makes them more prone to rupture under osmotic stress, mechanical stress, or both. Hematology Cotran, Ramzi S. Robbins and Cotran pathologic basis of disease Hereditary spherocytosis (HS) is a congenital hemolytic disorder wherein a genetic mutation coding for a structural membrane protein phenotype causes the red blood cells to be sphere-shaped (spherocytosis), rather than the normal biconcave disk shape. Cells with the dysfunctional proteins are degraded in the spleen, which leads to a shortage of erythrocytes and results in hemolytic anemia 0efd1950c6

Atypical pneumonia 714 "Atypical pneumonia may be caused by or feature of (sorted Atypical pneumonia, also known as walking pneumonia, is any type of pneumonia not caused by one of the pathogens most commonly associated with the disease. A variety of microorganisms can cause it. Its clinical presentation contrasts to that of "typical" pneumonia. Cotran Pathologic Basis of Disease, 8th edition, Kumar et al. When it develops independently from another disease, it is called primary atypical pneumonia (PAP). , Philadelphia, 2010, p 0efd1950c6

They can occur near the superior vena cava or inferior vena cava, but the former are more common. 0efd1950c6 HS was first described in 1871, and is the most common cause of inherited hemolysis in populations of northern European descent, with an incidence of 1 in 5000 births. The clinical severity of HS varies from mild (symptom-free... 0efd1950c6

Spectrin These short actin filaments act as junctional complexes allowing the formation of the hexagonal mesh. The hexagonal arrangements are formed by tetramers of spectrin subunits associating with short actin filaments at either end of the tetramer. In the light. and prognosis". J. doi:10. PMID 21150538. Spectrin forms pentagonal or hexagonal arrangements, forming a scaffold and playing an important role in maintenance of plasma membrane integrity and cytoskeletal structure. Pathologic Basis of Disease, 8th edition Robbins and Cotran Spectrin is a cytoskeletal protein that lines the intracellular side of the plasma membrane in eukaryotic cells. Trauma. The protein is named spectrin since it was first isolated as a major protein component of human red blood cells which had been treated with mild detergents; the detergents lysed the cells and the hemoglobin and other cytoplasmic components were washed out. 0b013e3181f5a9ed. 1097/TA. 69 (6): 1610-1618 0efd1950c6

Calcification Calcifications may be classified on whether there is mineral balance or not, and the location of the calcification. 109. M. 1007/s00710-014-0342-6. ; Shanahan Calcification is the accumulation of calcium salts in a body tissue. ; Cobb, A. Robbins and Cotran (2009), Pathologic Basis of Disease, 8th edition, Elsevier. doi:10. It normally occurs in the formation of bone, but calcium can be deposited abnormally in soft tissue, causing it to harden. Duer, M. 357F. Calcification may also refer to the processes of normal mineral deposition in biological systems, such as the formation of stromatolites or mollusc shells (see Biomineralization) 0efd1950c6

Histoplasmosis Robbins and Cotran Pathologic Basis of Disease. ISBN 978-0-7216-0187-8 Histoplasmosis is a fungal infection caused by *Histoplasma capsulatum*. St. Symptoms of this infection vary greatly, but the disease affects primarily the lungs. Occasionally, other organs are affected; called disseminated histoplasmosis, it can be fatal if left untreated. 754-5. Louis: Elsevier/Saunders. RS, Kumar V, Fausto N, Robbins SL, Abbas AK (2005). pp 0efd1950c6

Lymphoblasts can also refer to immature cells which typically differentiate to form mature lymphocytes. Normally, lymphoblasts are found in the bone marrow, but in acute lymphoblastic... 0efd1950c6 They represent 5% of atrial septal defects. 0efd1950c6

Lymphoblast Philadelphia: Saunders. Abul K. It occurs when the lymphocyte is activated by an antigen and increased in volume by nucleus and cytoplasm growth as well as new mRNA and protein synthesis. p. 602.). ; Fausto, Nelson; Aster, Jon C. Finally the dividing cells differentiate into effector cells, known as plasma cells (for B cells), cytotoxic T cells, and helper T cells. (2010). ISBN 978-1-4160-3121-5 A lymphoblast is a modified naive lymphocyte with altered cell morphology. The lymphoblast then starts dividing two to four times every 24 hours for three to five days, with a single lymphoblast making approximately 1000 clones of its original naive lymphocyte, with each clone sharing the originally unique antigen specificity. Robbins and Cotran Pathologic Basis of Disease (8th ed 0efd1950c6

Sinus venosus atrial septal defect pulmonary venous connection. Robbins and Cotran Pathologic Basis of Disease 8th Edition "Yale: Congenital Heart Disease: Sinus Venosus ASD". Retrieved A sinus venosus atrial septal defect is a type of atrial septal defect primarily associated with the sinus venosus 0efd1950c6

H. capsulatum is found in soil, often associated with decaying bat guano or bird droppings. Humans may inhale infectious spores after disrupting the soil via excavation or construction. *H. capsulatum* has a one to two week incubation period within human lungs before symptoms arise. The disease is common among AIDS patients due to their immunosuppression. 0efd1950c6 The MEOS pathway converts ethanol to acetaldehyde... 0efd1950c6

Vitelline duct pp. It appears at the end of the fourth week, when the yolk sac (also known as the umbilical vesicle) presents the appearance

of a small pear-shaped vesicle. ISBN 978-0-07-163340-6. 766 In the human embryo, the vitelline duct, also known as the vitellointestinal duct, the yolk stalk, the omphaloenteric duct, or the omphalomesenteric duct, is a long narrow tube that joins the yolk sac to the midgut lumen of the developing fetus. , p. 122. USA: The McGraw-Hill Companies, Inc. Anniversary Edition. Robbins and Cotran, Pathologic Basis of Disease, 8th ed 0efd1950c6

Endometrial stromal sarcoma Robbins and Cotran Pathologic Basis of Disease. Pathology, 5th edition, p. Kumar V, Abbas A, Fausto N, Aster J (2010). It was previously known as endolymphatic stromal myosis because of diffuse infiltration of myometrial tissue or the invasion of lymphatic channels. 2242-2245. Philadelphia: Endometrial stromal sarcoma is a malignant subtype of endometrial stromal tumor arising from the stroma (connective tissue) of the endometrium rather than the glands. 8th edition. There are three grades for endometrial stromal tumors, as follows 0efd1950c6

Microsomal ethanol oxidizing system 2003. Alcohol and Nutrition: an Integrated The microsomal ethanol oxidizing system (MEOS) is an alternate pathway of ethanol metabolism that occurs in the smooth endoplasmic reticulum in the oxidation of ethanol to acetaldehyde. The MEOS pathway requires the CYP2E1 enzyme, part of the cytochrome P450 family of enzymes, to convert ethanol to acetaldehyde. Ethanol's affinity for CYP2E1 is lower than its affinity for alcohol dehydrogenase. Robbins and Cotran: Pathologic basis of disease (8th edition) Francisco Santolaria and Emilio González- Reimers. While playing only a minor role in ethanol metabolism in average individuals, MEOS activity increases after chronic alcohol consumption. It has delayed activity in non-chronic alcohol consumption states as increase in MEOS activity is correlated with an increase in production of CYP2E1, seen most conclusively in alcohol dehydrogenase negative deer mice 0efd1950c6

From 1938 to 2013 in the US, 105 outbreaks were reported in a total of 26 states and Puerto Rico. In 1978 to 1979 during a large urban outbreak in which 100,000 people were exposed... 0efd1950c6 They can be associated with anomalous pulmonary venous connection. 0efd1950c6 The term was introduced in the 1930s and was contrasted with the bacterial pneumonia caused by *Streptococcus pneumoniae*, at that time the best known and most commonly occurring form of pneumonia. The distinction was historically considered important, as it differentiated those more likely to present with "typical" respiratory symptoms and lobar pneumonia from those more likely to present with "atypical" generalized symptoms (such as... 0efd1950c6

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