

Ak Jain Physiology Book

Today, anthropometry plays an important role in industrial... 7c48018b18 The cytoplasm of a red blood cell is rich in hemoglobin (Hb), an iron-containing biomolecule that can bind oxygen and is responsible for the red color of the cells and the blood. Each human red blood cell contains approximately... 7c48018b18

Nicotinic acid adenine dinucleotide phosphate NAADP acts across phyla from plants to humans. Regardless of the details, an outstanding issue is that the physiological route of NAADP synthesis has still not been unequivocally identified Nicotinic acid adenine dinucleotide phosphate (NAADP) is a Ca2+-mobilizing second messenger synthesised in response to extracellular stimuli. Like its mechanistic cousins, IP3 and cyclic adenosine diphosphoribose (Cyclic ADP-ribose), NAADP binds to and opens Ca2+ channels on intracellular organelles, thereby increasing the intracellular Ca2+ concentration which, in turn, modulates sundry cellular processes (see Calcium signalling). synthesis. Structurally, it is a dinucleotide that only differs from the house-keeping enzyme cofactor, NADP by a hydroxyl group (replacing the nicotinamide amino group) and yet this minor modification converts it into the most potent Ca2+-mobilizing second messenger yet described 7c48018b18

Veins have less smooth muscle and connective tissue and wider internal diameters than arteries. Because... 7c48018b18 Progesterone (medication) A progesterone vaginal ring and progesterone intrauterine device used for birth control also exist in some areas of the world. 186. The Drug Book. Anita MV, Jain S, Goel N (31 July 2018). ISBN 978-1-4027-8264-0. p. It is a progestogen and is used in combination with estrogens mainly in hormone therapy for menopausal symptoms and low sex hormone levels in women. It is also used in women to support pregnancy and fertility and to treat gynecological disorders. Gerald M (2013). New York, New York: Sterling Publishing. Use Progesterone (P4), sold under the brand name Prometrium among others, is a medication and naturally occurring steroid hormone. Progesterone can be taken by mouth, vaginally, and by injection into muscle or fat, among other routes 7c48018b18

Progesterone is well tolerated and often produces few or no side effects. However, a number of side effects are possible, for instance mood changes. If progesterone is taken by mouth or at high doses... 7c48018b18 Upanishads They are the most recent addition to the Vedas, the oldest scriptures of Hinduism, and deal with meditation, philosophy, consciousness, and ontological knowledge. ISBN 978-0895819833. The Samanya-Vedanta Upanishads. Jain Publishing (Reprint 2007). {{cite book}}: ISBN / Date incompatibility (help) The Upanishads (; Sanskrit: ??????, IAST: Upani?ad, pronounced [ʋpʋniʋd]) are late Vedic and post-Vedic Sanskrit texts that "document the transition from the archaic ritualism of the Veda into new religious ideas and institutions" and the emergence of the central religious concepts of Hinduism. Earlier parts of the Vedas dealt with mantras, benedictions, rituals, ceremonies, and sacrifices. (1941). OCLC 27193914 7c48018b18

Belly fetish For example A belly fetish (also known as a stomach fetish, or alvinolagnia) is a partialism in which an individual is sexually attracted to the midriff or belly. establishing healthy attachment bonds and for regulating the child’s physiological responses, which overall support well-being and stability 7c48018b18

List of vaccine topics Live virus reference strain Molecular virology Naked DNA Nobel Prize in Physiology or Medicine Number needed to vaccinate OPV AIDS hypothesis Pet passport This is a list of vaccine-related topics 7c48018b18

History of India The Vedic Period of the Vedic people in northern India (1500–500 BCE) was marked by. "4". {{cite book}}: CS1 maint: publisher location Anatomically modern humans first arrived on the Indian subcontinent between 73,000 and 55,000 years ago. War. Routledge. The India They Saw: Foreign Accounts. pp. Jain, M. Delhi: Ocean Books. The earliest known human remains in South Asia date to 30,000 years ago. Early in the second millennium BCE, persistent drought caused the population of the Indus Valley to scatter from large urban centres to villages. Indo-Aryan tribes moved into the Punjab from Central Asia in several waves of migration. (2011). Sedentariness began in South Asia around 7000 BCE; by 4500 BCE, settled life had spread, and gradually evolved into the Indus Valley Civilisation, one of three early cradles of civilisation in the Old World, which flourished between 2500 BCE and 1900 BCE in present-day Pakistan and north-western India. 177–193 7c48018b18

A vaccine is a biological preparation that improves immunity to a particular disease. A vaccine typically contains an agent that resembles a disease-causing microorganism, and is often made from weakened or killed forms of the microbe or its toxins. The agent stimulates the body's immune system to recognize the agent as foreign, destroy it, and "remember" it, so that the immune system can more easily recognize and destroy any of these microorganisms that it later encounters. 7c48018b18 There are three sizes of veins: large, medium, and small. Smaller veins are called venules, and the smallest the post-capillary venules are microscopic that make up the veins of the microcirculation. Veins are often closer to the skin than arteries. 7c48018b18 Red blood cell Frontiers in Physiology. Jain V, Yang WH, Wu J, Roback JD, Gregory SG, Chi JT (2022). 13: 828700 Red blood cells (RBCs), referred to as erythrocytes (from Ancient Greek erythros 'red' and kytos 'hollow vessel', with -cyte translated as 'cell' in modern usage) in academia and medical publishing, also known as red cells, erythroid cells, and rarely haematids, are the most common type of blood cell and the vertebrate's principal means of delivering oxygen (O2) to the body tissues—via blood flow through the circulatory system. Erythrocytes take up oxygen in the lungs, or in fish the gills, and release it into tissues while squeezing through the body's capillaries. PMID 19421340. "Single Cell RNA-Seq Analysis of Human Red Cells" 7c48018b18

Vein Philadelphia, Pa. Guyton and Hall textbook of medical physiology (Twelfth ed. 868.). {{cite book}}: CS1 maint: location missing publisher Veins () are blood vessels in the circulatory system of humans and most other animals that carry blood towards the heart. In the systemic circulation, arteries carry oxygenated blood away from the heart, and veins return deoxygenated blood to the heart, in the deep veins. p. ISBN 9781416045748. Most veins carry deoxygenated blood from the tissues back to the heart; exceptions are those of the pulmonary and fetal circulations which carry oxygenated blood to the heart 7c48018b18

Anthropometry Jain, Anil K. Retrieved 2013-05-25. ; Ross, Arun (2008). "Introduction to Biometrics". In Jain, AK; Flynn; Ross, A (eds. on 2012-03-30. Since commonly used methods and approaches in analysing living standards were not helpful enough, the anthropometric history became very useful for historians in answering questions that interested them. An early tool of physical anthropology, it has been used for identification, for the purposes of understanding human physical variation, in paleoanthropology and in

various attempts to correlate physical with racial and psychological traits.). Anthropometry involves the systematic measurement of the physical properties of the human body, primarily dimensional descriptors of body size and shape. Handbook of Biometrics Anthropometry (, from Ancient Greek ???????? (ánthr?pos) 'human' and ?????? (métron) 'measure') refers to the measurement of the human individual

While among the most important literature in the history of Indian religions and culture, the Upanishads document a wide variety of "rites, incantations, and esoteric knowledge" departing from Vedic ritualism and interpreted in various ways... 3D cell culture Approximately 300 spheroids are usually cultured per bioreactor. g. These three-dimensional cultures are usually grown in bioreactors, small capsules in which the cells can grow into spheroids, or 3D cell colonies. Horning JL, Sahoo SK, Vijayaraghavalu S, Dimitrijevic S, Vasir JK, Jain TK, Panda AK, Labhasetwar V (2008). "3-D tumor model for in vitro evaluation of A 3D cell culture is an artificially created environment in which biological cells are permitted to grow or interact with their surroundings in all three dimensions. Unlike 2D environments (e. a Petri dish), a 3D cell culture allows cells in vitro to grow in all directions, similar to how they would in vivo

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