

Hole Human Anatomy And Physiology 11th Edition

Ear 651–657. Since the outer ear is the only visible portion of the ear, the word "ear" often refers to the external part (auricle) alone. B. The outer ear consists of the auricle and the ear canal. In humans, the ear is described as having three parts: the outer ear, the middle ear and the inner ear. Hall, Arthur C. (2005). Saunders. ISBN 978-0-7216-0240-0 In vertebrates, an ear is the organ that enables hearing and (in mammals) body balance using the vestibular system.). The inner ear sits in the bony labyrinth, and contains structures which are key to several senses: the semicircular canals, which enable balance and eye tracking when moving; the utricle and saccule, which enable balance when stationary; and the cochlea, which enables hearing. pp. Textbook of medical physiology (11th ed. ISBN 978-0-443-06684-9. Guyton, John E. The middle ear includes the tympanic cavity and the three ossicles. Philadelphia: W. The ear canal is cleaned via earwax, which naturally db586fd3b9

Pericardium It has two layers, an outer layer made of strong inelastic connective tissue (fibrous pericardium), and an inner layer made of serous membrane (serous pericardium). 84–5. Rehman, Ibraheem; Nassereddin, Ali; Rehman, Afzal (2021), "Anatomy, Thorax The pericardium (pl. of Human Anatomy (11th ed. It separates the heart from interference of other structures, protects it against infection and blunt trauma, and lubricates the heart's movements. : pericardia), also called pericardial sac, is a double-walled sac containing the heart and the roots of the great vessels. ISBN 978-0-471-78931-4.). It encloses the pericardial cavity, which contains pericardial fluid, and defines the middle mediastinum. pp. John Wiley & Sons db586fd3b9

Vagina Springer New In mammals and other animals, the vagina (pl. In humans, it extends from the vulval vestibule to the cervix (neck of the uterus). It also channels menstrual flow, which occurs in humans and closely related primates as part of the menstrual cycle. : vaginas or vaginae) is the elastic, muscular reproductive organ of the female genital tract. Sexual Response: Anatomy and Physiology of Sexual Desire, Arousal, and Orgasm in Women". The vagina allows for copulation and birth. Management of Sexual Dysfunction in Men and Women. The vaginal introitus is normally partly covered by a thin layer of mucosal tissue called the hymen db586fd3b9

Human embryonic development It is characterised by the processes of cell division and cellular differentiation of the embryo that occurs during the early stages of development. Elsevier. Human embryonic development covers the first eight weeks of development, which have 23 stages, called Carnegie stages. ISBN 978-1938168130. In biological terms, the development of the human body entails growth from a one-celled zygote to an adult human being. At the beginning of the ninth week, the embryo is termed a fetus (spelled "foetus. Human Embryology (3rd ed. Anatomy & physiology. ISBN 9780781790697. Fertilization occurs when the sperm cell successfully enters and fuses with an egg cell (ovum). Betts, J. pp Human embryonic development or human embryogenesis is the development and formation of the human embryo. pp. Gordon (2013).). The genetic material of the sperm and egg then combine to form the single cell zygote and the germinal stage of development commences. Larsen, W J (2001). 787–846 db586fd3b9

These bones are composed of two thin layers of compact bone enclosing between them a variable quantity of cancellous bone, which is the location of red bone marrow. In an adult, most red blood cells are formed in flat bones. In the cranial bones, the layers of compact tissue are familiarly known as the tables of the skull; the outer one is thick and tough; the inner is thin, dense, and brittle, and hence is termed... db586fd3b9

Primate Primates range in size from Madame Berthe's mouse lemur, which weighs 30 g (1 oz), to the eastern gorilla, weighing over 200 kg (440 lb). There. their psychological and physiological similarity to humans. Primates arose 74–63 million years ago first from small terrestrial

mammals, which adapted for life in tropical forests: many primate characteristics represent adaptations to the challenging environment among tree tops, including large brain sizes, binocular vision, color vision, vocalizations, shoulder girdles allowing a large degree of movement in the upper limbs, and opposable thumbs (in most but not all) that enable better grasping and dexterity. In particular, the brains and eyes of NHPs more closely parallel human anatomy than those of any Primates is an order of mammals, which is further divided into the strepsirrhines, which include lemurs, galagos, and lorises; and the haplorhines, which include tarsiers and simians (monkeys and apes) db586fd3b9

The English name originates from the Ancient Greek prefix peri- (περί) 'around' and the suffix -cardion (κάρδιον) 'heart'. db586fd3b9

Body snatching Rosner, Lisa (2010). *The Anatomy Murders: Body snatching is the illicit removal of corpses from graves, morgues, and other burial sites. Lives of Human Cadavers.* However, there have been cases of body snatching in many countries, with the first recorded case in Europe dating back to 1319 in Bologna, Italy. Contains humorous information regarding the study of anatomy before the Anatomy Act. The term 'body snatching' most commonly refers to the removal and sale of corpses primarily for the purpose of dissection or anatomy lectures in medical schools. The term was coined primarily in regard to cases in the United Kingdom and United States throughout the 17th, 18th, and 19th centuries. The first recorded case in China dates back to 506 BC, when Wu Zixu dug up the corpse of. Body snatching is distinct from the act of grave robbery as grave robbing does not explicitly involve the removal of the corpse, but rather theft from the burial site itself db586fd3b9

Flat bone). These bones are expanded into broad, flat plates, as in the cranium (skull), the ilium, ischium, and pubis (pelvis), sternum and the rib cage. ISBN 978-0-07-282953-2 Flat bones are bones whose principal function is either extensive protection or the provision of broad surfaces for muscular attachment. 193+. Dubuque, IA: McGraw-Hill. "Skeletal System". pp. Hole's Human Anatomy & Physiology (11th ed. Butler, Jackie; Lewis, Ricki (2007) db586fd3b9

Arthur Guyton cardiovascular physiology and his Textbook of Medical Physiology, which quickly became the standard text on the subject in medical schools. The first edition was published in 1956, the 10th edition in 2000 (the last before Guyton's death), and the 12th edition in 2010. The 14th edition published in 2020 is the latest version available. The first edition was Arthur Clifton Guyton (September 8, 1919 – April 3, 2003) was an American physiologist best known for his studies on cardiovascular physiology and his Textbook of Medical Physiology, which quickly became the standard text on the subject in medical schools. It is the world's best-selling medical physiology textbook db586fd3b9

The flat bones are: the occipital, parietal, frontal, nasal, lacrimal, vomer, sternum, ribs, and scapulae. db586fd3b9

Galen Considered to be one of the most accomplished of all medical researchers of antiquity, Galen influenced the development of various scientific disciplines, including anatomy, physiology, pathology, pharmacology, and neurology, as well as philosophy and logic. Galen would encourage Aelius Galenus or Claudius Galenus (Greek: Κλαύδιος Γαληνός; September 129 – c. Galen, like others, reasoned that animal anatomy had a strong concilience with that of humans. 216 AD), often anglicized as Galen () or Galen of Pergamon, was a Roman and Greek physician, surgeon, and philosopher. for his study of anatomy and physiology db586fd3b9

To accommodate smoother penetration of the vagina during sexual intercourse or other sexual activity, vaginal moisture increases during sexual arousal in human females and other female mammals. This increase in moisture provides vaginal lubrication, which reduces friction. The texture of the vaginal walls creates... db586fd3b9

Marcello Malpighi The botanical family Malpighiaceae is also named after him. He was the first person to see capillaries in animals, and he discovered the link between arteries and veins that had eluded William Harvey. Malpighi was one of the earliest people to observe red blood cells. The splenic lymphoid nodules are often called the "Malpighian bodies of the spleen" or

Malpighian corpuscles. Malpighi's Marcello Malpighi (10 March 1628 – 30 November 1694) was an Italian biologist and physician, who is referred to as the "founder of microscopical anatomy, histology and father of physiology and embryology". Italian biologist and physician, who is referred to as the "founder of microscopical anatomy, histology and father of physiology and embryology". Malpighi's name is borne by several physiological features related to the biological excretory system, such as the Malpighian corpuscles and Malpighian pyramids of the kidneys and the Malpighian tubule system of insects db586fd3b9

The son of Aelius Nicon, a wealthy Greek architect with scholarly interests, Galen received a comprehensive education that prepared him for a successful career as a physician and philosopher. Born in the ancient city of Pergamon (present-day Bergama, Turkey), Galen traveled extensively, exposing himself to a wide variety of medical theories... db586fd3b9

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