

Atlas Of Human Anatomy Third Edition

Human brain It consists of the cerebrum, the brainstem and the cerebellum. PMID 19801988. The brain integrates sensory information and coordinates instructions sent to the rest of the body. 699. Gray's Anatomy 2008, p. Netter, F. Atlas of Human Anatomy Including Student Consult Interactive Ancillaries The human brain is the central organ of the nervous system, and with the spinal cord, comprises the central nervous system. 298. The brain controls most of the activities of the body, processing, integrating, and coordinating the information it receives from the sensory nervous system. (2014). Guyton & Hall 2011, p e815771768

The basic configuration of a vertebra varies; the vertebral body (also centrum) is of bone and bears the load of the vertebral column. The upper and lower surfaces of the vertebral body give attachment to the intervertebral discs. The posterior part of a vertebra forms a vertebral arch, in eleven parts, consisting of two pedicles (pedicle of vertebral arch), two laminae, and seven processes. The laminae give attachment to the ligamenta flava (ligaments of the spine). There are vertebral notches formed from the shape... e815771768 Theoretical considerations of the structure and function of the human body did not develop until far later, in ancient Greece. Ancient Greek philosophers, like Alcmaeon and Empedocles, and ancient Greek doctors, like Hippocrates and his school, paid attention to the causes of life, disease, and different functions of the body. Aristotle advocated dissection of animals as part of his program for understanding the causes of biological forms... e815771768

History of anatomy The history of anatomy spans from the earliest examinations of sacrificial victims to the advanced studies of the human body conducted by modern scientists The history of anatomy spans from the earliest examinations of sacrificial victims to the advanced studies of the human body conducted by modern scientists. Written descriptions of human organs and parts can be traced back thousands of years to ancient Egyptian papyri, where attention to the body was necessitated by their highly elaborate burial practices e815771768

Surface anatomy In birds, this is termed topography. In particular, in the case of human surface anatomy, these are the form and proportions of the human body and the surface landmarks which correspond to deeper structures hidden from view, both in static pose and in motion. As such, it is a branch of gross anatomy, along with endoscopic and radiological anatomy. Surface anatomy deals with anatomical features that can be studied by sight, without dissection. In particular, in the case of human surface anatomy, these are the form and proportions of the Surface anatomy (also called superficial anatomy and visual anatomy) is the study of the external features of the body of an animal. radiological anatomy. Surface anatomy is a descriptive science. Surface anatomy is a descriptive science e815771768

The bone is named for Atlas of Greek mythology, just as Atlas bore the weight of the heavens, the first cervical vertebra supports the head. However, the term atlas was first

used by the ancient Romans for the seventh cervical vertebra (C7) due to its suitability for supporting burdens. In Greek mythology, Atlas was condemned to bear the weight of the heavens as punishment for rebelling against Zeus. Ancient depictions of Atlas show the globe of the heavens resting at the base of his neck, on C7. Sometime around 1522, anatomists decided to call the first cervical vertebra the atlas. Scholars believe that by switching the designation atlas from the seventh to the first cervical... e815771768 Usually, there are 20 primary ("baby") teeth and 32 permanent teeth, the last four being third molars or "wisdom teeth", each of which may or may not grow in. Among primary teeth, 10 usually are found in the maxilla (upper jaw) and the other... e815771768 Earlier editions were called *Anatomy: Descriptive and Surgical*, *Anatomy of the Human Body* and *Gray's Anatomy: Descriptive and Applied*, but the book's name is commonly shortened to, and later editions are titled, *Gray's Anatomy*. The book is widely regarded as an extremely influential work on the subject. e815771768

Atlas (anatomy) The bone is named for Atlas of Greek In anatomy, the atlas (C1) is the most superior (first) cervical vertebra of the spine and is located in the neck. In anatomy, the atlas (C1) is the most superior (first) cervical vertebra of the spine and is located in the neck e815771768

Eduard Pernkopf He is best known for his seven-volume anatomical atlas, *Topographische Anatomie des Menschen* (translated as *Atlas of Topographical and Applied Human Anatomy*; often colloquially known as the Pernkopf atlas or just Pernkopf), prepared by Pernkopf and four artists over a 20-year period. *des Menschen* (translated as *Atlas of Topographical and Applied Human Anatomy*; often colloquially known as the Pernkopf atlas or just Pernkopf), prepared Eduard Pernkopf (November 24, 1888 – April 17, 1955) was an Austrian professor of anatomy who later served as rector of the University of Vienna, his alma mater. While it is considered a scientific and artistic masterpiece, with many of its color plates reprinted in other publications and textbooks, it has been in recent years found that Pernkopf and the artists working for him, all of them ardent Nazis, used executed political prisoners as their subjects e815771768

The defining feature of the axis is its strong bony protrusion known as the dens, which rises from the superior aspect of the bone. e815771768 In addition, the science of surface anatomy includes the theories and systems of body proportions and related artistic canons. The study of surface anatomy is the basis for depicting... e815771768 The cerebrum, the largest part of the human brain, consists of two cerebral hemispheres. Each hemisphere has an inner core composed of white matter, and an outer surface – the cerebral cortex – composed of grey matter. The cortex has an outer layer, the neocortex, and an inner allocortex. The neocortex is made up of six neuronal layers, while the allocortex... e815771768

Gray's Anatomy Gray's Anatomy is a reference book of human anatomy written by Henry Gray, illustrated by Henry Vandyke Carter and first published in London in 1858. It has had multiple revised editions, and the current edition, the 42nd (October 2020), remains a standard reference, often considered "the doctors' bible". It Gray's Anatomy is a reference book of human anatomy written by Henry Gray, illustrated by Henry Vandyke Carter and first published in London in 1858 e815771768

Vertebra Axis & Atlas Articulated, Posterior View Anatomy image: skel/atlas2 at Human Anatomy Lecture (Biology 129), Pennsylvania State University Anatomy photo:26:os-0110 Each vertebra (pl. The proportions of the vertebrae differ according to their spinal segment and the particular species. : vertebrae) is an irregular bone with a complex structure composed of bone and some hyaline cartilage, that make up the vertebral column or spine, of vertebrates e815771768

Dental anatomy Dental anatomy is a field of anatomy dedicated to the study of human tooth structures.) Tooth formation begins before birth, and the teeth's eventual morphology is dictated during this time. The development, appearance, and classification of teeth fall within its purview. Dental anatomy is also a taxonomical science: it is concerned with the naming of teeth and the structures of which they are made, this information serving a practical purpose in dental treatment. (The function of teeth as they contact one another falls elsewhere, under dental occlusion. The development, appearance, and classification of teeth fall within Dental anatomy is a field of anatomy dedicated to the study of human tooth structures e815771768

Equine anatomy While all anatomical Equine anatomy encompasses the gross and microscopic anatomy of horses, ponies and other equids, including donkeys, mules and zebras. While all anatomical features of equids are described in the same terms as for other animals by the International Committee on Veterinary Gross Anatomical Nomenclature in the book *Nomina Anatomica Veterinaria*, there are many horse-specific colloquial terms used by equestrians. Equine anatomy encompasses the gross and microscopic anatomy of horses, ponies and other equids, including donkeys, mules and zebras e815771768

Axis (anatomy) In anatomy, the axis (from Latin axis, "axle") is the second cervical vertebra (C2) of the spine, immediately inferior to the atlas, upon which the head rests. In anatomy, the axis (from Latin axis, "axle") is the second cervical vertebra (C2) of the spine, immediately inferior to the atlas, upon which the head rests. The spinal cord passes through the axis e815771768

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