

Human Diseases 3rd Edition

Human nutrition Good nutrition is necessary for children to grow physically and mentally, and for normal human biological development. Malnutrition and its consequences are large contributors to deaths, physical deformities, and disabilities worldwide. Poor nutrition is a chronic problem often linked to poverty, food security, or a poor understanding of nutritional requirements. most common non-infectious diseases worldwide, that contribute most to the global mortality rate, are cardiovascular diseases, various cancers, diabetes Human nutrition deals with the provision of essential nutrients in food that are necessary to support human life and good health

Zoonosis were zoonotic. When humans infect non-humans, it is called reverse zoonosis or anthroponosis. Most human diseases originated in non-humans; however, only diseases that routinely involve non-human to human transmission, such as rabies A zoonosis (; plural zoonoses) or zoonotic disease is an infectious disease of humans caused by a pathogen (an infectious agent, such as a virus, bacterium, parasite, fungi, or prion) that can jump from a non-human vertebrate to a human

CJD is caused by abnormal folding of a protein known as a prion. Infectious prions are misfolded proteins that can cause normally folded proteins to also become misfolded. About 85% of cases of CJD occur... Major modern diseases such as Ebola and salmonellosis are zoonoses. HIV was a zoonotic disease transmitted to humans in the early part of the 20th century, though it has now evolved into a separate human-only disease. Human infection with animal influenza viruses is rare, as they do not transmit easily to or among humans. However, avian and swine influenza viruses in particular possess high zoonotic potential, and these occasionally recombine with human strains of the flu and can...

Lyme disease which cause the diseases babesiosis and human granulocytic anaplasmosis (HGA), respectively. It is the most common disease spread by ticks in the Northern Hemisphere. Infections are most common in the spring and early summer. Among people with early Lyme disease, depending on their Lyme disease, also known as Lyme borreliosis, is a tick-borne disease caused by species of *Borrelia* bacteria, transmitted by blood-feeding ticks in the genus *Ixodes*

Human geography Examples include patterns like urban sprawl and urban redevelopment. Hoboken, NJ: Wiley. This multidisciplinary field draws from sociology, anthropology, economics, and environmental science, helping build a more complete understanding of how human activity shapes the spaces we live in. Urban Geography, 3rd. Edition. (2014). ISBN 978-1-118-57385-3. James O. It focuses on the spatial relationships between human communities, cultures, economies, and their environments. Library resources about Human geography Resources in your library Human geography, also known as anthropogeography, is a branch of geography that studies how people interact with places. It looks at how social interactions connect with the environment using both qualitative (descriptive) and quantitative (numerical) methods

Human brain The brain integrates sensory information and coordinates instructions sent to the rest of the body. Neurodegenerative diseases can affect different The human brain is the central organ of the nervous system, and with the spinal cord, comprises the central nervous system. It consists of the cerebrum, the brainstem and the cerebellum. include Huntington's disease, motor neuron diseases, HIV dementia, syphilis-related dementia and Wilson's disease. The brain controls most of the activities of the body, processing, integrating, and coordinating the information it receives from the sensory nervous system

Huntington's disease The disease is primarily characterized by a distinctive hyperkinetic movement disorder known as chorea. 25 (R1): R53–64 Huntington's disease (HD), also known as Huntington's chorea, is a neurodegenerative disease that is mostly inherited. It typically presents as a triad of progressive psychiatric, cognitive, and motor symptoms. Chorea classically presents as uncoordinated, involuntary, "dance-like" body movements that become more apparent as the. The definitive physical symptoms, including a general lack of coordination and an unsteady gait, eventually follow. dominantly inherited neurodegenerative diseases: lessons from Huntington's disease and spinocerebellar ataxia". Human Molecular Genetics. Over time, the basal ganglia region of the brain gradually becomes damaged. The earliest symptoms are often subtle problems with mood or mental/psychiatric abilities, which precede the motor symptoms for many people. No cure is available at this time

For every decade since 1940, there has been a consistent increase in the number of EID events from wildlife-related zoonosis. Human activity is the primary driver of this increase, with loss of biodiversity... Anatomically, the valves are part of the dense connective tissue of the heart known as the cardiac skeleton and are responsible for the regulation of blood flow through the heart and great vessels. Valve failure or dysfunction can result in diminished heart functionality, though the particular consequences are dependent on the type and severity...

Creutzfeldt–Jakob disease About 70% of sufferers die within a year of diagnosis. self-sustaining feedback loop. Later symptoms include dementia, involuntary movements, blindness, deafness, weakness, and coma. PrPC, the normal fibril cellular proteins responsible Creutzfeldt–Jakob disease (CJD) is an incurable, always-fatal, neurodegenerative disease belonging to the transmissible

spongiform encephalopathy (TSE) group. Early symptoms include memory problems, behavioral changes, poor coordination, visual disturbances and auditory disturbances. The name "Creutzfeldt–Jakob disease" was introduced by Walther Spielmeyer in 1922, after the German neurologists Hans Gerhard Creutzfeldt and Alfons Maria Jakob. These neurodegenerative diseases are commonly called prion diseases 41000e4f10

Human interactions with microbes Pathogenic bacteria cause diseases such as plague, tuberculosis and anthrax. infectious diseases of humans and domestic animals. Protozoa cause diseases including Human interactions with microbes include both practical and symbolic uses of microbes, and negative interactions in the form of human, domestic animal, and crop diseases 41000e4f10

Valvular heart disease These conditions occur largely as a consequence of aging, but may also be the result of congenital (inborn) abnormalities or specific disease or physiologic processes including rheumatic heart disease and pregnancy. Pulmonary and tricuspid valve diseases are right heart diseases. Pulmonary valve Valvular heart disease is any cardiovascular disease process involving one or more of the four valves of the heart (the aortic and mitral valves on the left side of heart and the pulmonic and tricuspid valves on the right side of heart). Pulmonary valve diseases are the least common heart valve disease in adults 41000e4f10

Practical use of microbes began in ancient times with fermentation in food processing; bread, beer and wine have been produced by yeasts from the dawn of civilisation, such as in ancient Egypt. More recently, microbes have been used in activities from biological warfare to the production of chemicals by fermentation, as industrial chemists discover how to manufacture a widening variety of organic chemicals including enzymes and bioactive molecules such as hormones and competitive inhibitors for use as medicines. Fermentation is used, too, to produce substitutes for fossil fuels in forms such as ethanol and methane; fuels may... 41000e4f10

Emerging infectious disease EIDs have been increasing steadily since at least 1940. An emerging infectious disease (EID) refer to infectious diseases that have either newly appeared in a population or have existed but are rapidly increasing An emerging infectious disease (EID) refer to infectious diseases that have either newly appeared in a population or have existed but are rapidly increasing in incidence, geographic range, or severity due to factors such as environmental changes, antimicrobial resistance, and human-animal interactions. Their many impacts can be economic and societal, as well as clinical. The minority that are capable of developing efficient transmission between humans can become major public and global concerns as potential causes of epidemics or pandemics 41000e4f10

The most common sign of infection is an expanding red rash, known as erythema migrans (EM), which appears at the site of the tick bite about a week afterwards. The rash is typically neither itchy nor painful. Approximately 70–80% of infected people develop a rash. Other early symptoms may include fever, headaches and tiredness. If untreated, symptoms may include loss of the ability to move one or both sides of the face, joint pains, severe headaches with neck stiffness or heart palpitations. Months... 41000e4f10 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... 41000e4f10

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