

O Medical Term

Medical terminology

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In medicine, medical terminology is language used to describe the components, processes, conditions of the human body, and the medical procedures and treatments performed upon it.

In the English language, medical terminology generally has a regular morphology, such that the same prefixes and suffixes are used to add meanings to different roots. The root of a term often refers to an organ, tissue, or condition. Medical roots and affixes are often derived from Greek or Latin, and often quite dissimilar from their English-language variants.

Medical terminology includes a large part of anatomical terminology, which also includes the anatomical terms of location, motion, muscle, and bone. It also includes language from biology, chemistry, physics, and physiology, as well as vocabulary unique to the field of medicine such as medical abbreviations.

Medical dictionaries are specialised dictionaries for medical terminology and may be organised alphabetically or according to systems such as the Systematized Nomenclature of Medicine.

Chignon (medical term)

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A chignon (an artificially induced caput succedaneum) is a temporary swelling caused by a build-up of bloody fluid left on an infant's head after they have been delivered by vacuum extraction. A vacuum extraction is a type of assistance used during vaginal delivery by an obstetrician or midwife when the second stage of labor, where the cervix is fully dilated allowing for fetus delivery, is stalled. It anatomically resembles regular caput succedaneum, one of two most frequently occurring birth injuries to the head, the other being cephalohematoma, a usually harmless condition where blood accumulates under the newborn's scalp after vaginal delivery.

During vacuum extraction, the cup is attached to the infant's head, exposing the infant to trauma due to the vacuum pressure and pulling force involved in the procedure. This form of assisted delivery is typically required when the labor is stalled due to difficulties in the stages of labor arising, such as when the infant's head found too high in the birth canal. Due to prolonged pressure and tension, this induces an accumulation of interstitial fluid (the fluid that surrounds cells) as well as possible minor hemorrhages, ultimately resulting in scalp swelling.

A chignon should not be mistaken for bruises or other similar fetal head traumas relating to vacuum extraction. It chignon should begin to resolve within an hour, but it may take between 12 and 18 hours to completely disappear. There are no long-term consequences for the newborn, but as with all birth traumas, it is recommended to be attended to and monitored.

Diving medicine

the long term risks actually are, but the medical literature and anecdotal evidence both suggest that there are potential chronic long-term detrimental

Diving medicine, also called undersea and hyperbaric medicine (UHB), is the diagnosis, treatment and prevention of conditions caused by humans entering the undersea environment. It includes the effects on the body of pressure on gases, the diagnosis and treatment of conditions caused by marine hazards and how aspects of a diver's fitness to dive affect the diver's safety. Diving medical practitioners are also expected to be competent in the examination of divers and potential divers to determine fitness to dive.

Hyperbaric medicine is a corollary field associated with diving, since recompression in a hyperbaric chamber is used as a treatment for two of the most significant diving-related illnesses, decompression sickness and arterial gas embolism.

Diving medicine deals with medical research on issues of diving, the prevention of diving disorders, treatment of diving accidents and diving fitness. The field includes the effect of breathing gases and their contaminants under high pressure on the human body and the relationship between the state of physical and psychological health of the diver and safety.

In diving accidents it is common for multiple disorders to occur together and interact with each other, both causatively and as complications.

Diving medicine is a branch of occupational medicine and sports medicine, and at first aid level, an important part of diver education.

Physician

such as medical ethics requiring that physicians show consideration, compassion, and benevolence for their patients. Around the world, the term physician

A physician, medical practitioner (British English), medical doctor, or simply doctor is a health professional who practices medicine, which is concerned with promoting, maintaining or restoring health through the study, diagnosis, prognosis and treatment of disease, injury, and other physical and mental impairments. Physicians may focus their practice on certain disease categories, types of patients, and methods of treatment—known as specialities—or they may assume responsibility for the provision of continuing and comprehensive medical care to individuals, families, and communities—known as general practice. Medical practice properly requires both a detailed knowledge of the academic disciplines, such as anatomy and physiology, underlying diseases, and their treatment, which is the science of medicine, and a decent competence in its applied practice, which is the art or craft of the profession.

Both the role of the physician and the meaning of the word itself vary around the world. Degrees and other qualifications vary widely, but there are some common elements, such as medical ethics requiring that physicians show consideration, compassion, and benevolence for their patients.

United States Navy officer rank insignia

selected URL captains (O-6) in major command of multiple subordinate operational units, and formerly a rank (O-7). Note 3: The term "line officer of the

In the United States Navy, officers have various ranks. Equivalency between services is by pay grade. United States Navy commissioned officer ranks have two distinct sets of rank insignia: On dress uniforms, a series of stripes similar to Commonwealth naval ranks are worn; on service khaki, working uniforms (Navy Working Uniform [NWU], and coveralls), and special uniform situations (combat utilities, flight suits, and USMC uniforms when worn by Navy officers assigned or attached to USMC units), the rank insignia are identical to the equivalent rank in the US Marine Corps.

Glossary of nautical terms (M–Z)

Sometimes abbreviated as UNREP. U.N.P.O.C. An abbreviation for "Unable to navigate, probably on course"; a 19th-century term used in log books of vessels left

This glossary of nautical terms is an alphabetical listing of terms and expressions connected with ships, shipping, seamanship and navigation on water (mostly though not necessarily on the sea). Some remain current, while many date from the 17th to 19th centuries. The word nautical derives from the Latin *nauticus*, from Greek *nautikos*, from *nautōs*: "sailor", from *naus*: "ship".

Further information on nautical terminology may also be found at Nautical metaphors in English, and additional military terms are listed in the Multiservice tactical brevity code article. Terms used in other fields associated with bodies of water can be found at Glossary of fishery terms, Glossary of underwater diving terminology, Glossary of rowing terms, and Glossary of meteorology.

LGBTQ (term)

"O" for "other". The initialism LGBTIH has seen use in India to encompass the hijra third gender identity and the related subculture. Adding the term allies

LGBTQ is an initialism for lesbian, gay, bisexual, transgender, and queer. LGBTQ and related initialisms are umbrella terms, originating in the United States, broadly referring to all sexual orientations, romantic orientations, gender modalities, gender identities, and sex characteristics that are not heterosexual, heteroromantic, cisgender, binary, or endosex, respectively. Many variants of the initialism are used to encompass intersex, asexual, aromantic, agender and other identities.

In the 1990s, gay, lesbian, and bisexual activists adopted the initialism LGB. Terminology eventually shifted to LGBT, as transgender people gained recognition. Around that time, some activists began to reclaim the term queer, seeing it as a more radical and inclusive umbrella term, though others reject it, due to its history as a pejorative. In recognition of this, the 2010s saw the adoption of LGBTQ, and other more inclusive variants.

LGBTQ people collectively form the LGBTQ community, though not all LGBTQ people participate in or consider themselves part of a broader community. These labels are not universally agreed upon by everyone that they are intended to include. For example, some intersex people prefer to be included in this grouping, while others do not. Various alternative umbrella terms exist across various cultures, including queer; same-gender loving (SGL); and gender, sexual and romantic minorities (GSRM).

Some versions of the term add a plus sign (+) to represent additional identities not captured by the letters within the initialism. Many further variants exist which add additional identities, such as 2SLGBTQ (for two-spirit), LGBTQQ (for queer and questioning), or, rarely, the letters ordered differently, as in GLBT and GLBTQ.

Idiopathic disease

Certain medical conditions, when idiopathic, notably some forms of epilepsy and stroke, are preferentially described by the synonymous term of cryptogenic

An idiopathic disease is any disease with an unknown cause or mechanism of apparent spontaneous origin.

For some medical conditions, one or more causes are somewhat understood, but in a certain percentage of instances, the cause may not be readily apparent or characterized. In these cases, the origin of the condition is said to be idiopathic. With some other medical conditions, the root cause for a large percentage of all cases has not been established—for example, focal segmental glomerulosclerosis or ankylosing spondylitis; the majority of these cases are deemed idiopathic. Certain medical conditions, when idiopathic, notably some forms of epilepsy and stroke, are preferentially described by the synonymous term of cryptogenic.

Semaglutide

treatment of type 2 diabetes and an anti-obesity medication used for long-term weight management. It is a peptide similar to the hormone glucagon-like peptide-1

Semaglutide is an anti-diabetic medication used for the treatment of type 2 diabetes and an anti-obesity medication used for long-term weight management. It is a peptide similar to the hormone glucagon-like peptide-1 (GLP-1), modified with a side chain. It can be administered by subcutaneous injection or taken orally. It is sold by Novo Nordisk under the brand names Ozempic and Rybelsus for diabetes, and under the brand name Wegovy for weight management, weight loss, and the treatment of metabolic-associated steatohepatitis (nonalcoholic steatohepatitis).

Semaglutide is a glucagon-like peptide-1 receptor agonist. The most common side effects include nausea, vomiting, diarrhea, abdominal pain, and constipation.

It was approved for medical use in the US in 2017. In 2023, it was the nineteenth most commonly prescribed medication in the United States, with more than 25 million prescriptions.

Oxygen

a form that is useful in certain portable medical applications and oxy-fuel welding and cutting. Uptake of O₂ from the air is the essential purpose of

Oxygen is a chemical element; it has symbol O and atomic number 8. It is a member of the chalcogen group in the periodic table, a highly reactive nonmetal, and a potent oxidizing agent that readily forms oxides with most elements as well as with other compounds. Oxygen is the most abundant element in Earth's crust, making up almost half of the Earth's crust in the form of various oxides such as water, carbon dioxide, iron oxides and silicates. It is the third-most abundant element in the universe after hydrogen and helium.

At standard temperature and pressure, two oxygen atoms will bind covalently to form dioxygen, a colorless and odorless diatomic gas with the chemical formula O₂. Dioxygen gas currently constitutes approximately 20.95% molar fraction of the Earth's atmosphere, though this has changed considerably over long periods of time in Earth's history. A much rarer triatomic allotrope of oxygen, ozone (O₃), strongly absorbs the UVB and UVC wavelengths and forms a protective ozone layer at the lower stratosphere, which shields the biosphere from ionizing ultraviolet radiation. However, ozone present at the surface is a corrosive byproduct of smog and thus an air pollutant.

All eukaryotic organisms, including plants, animals, fungi, algae and most protists, need oxygen for cellular respiration, a process that extracts chemical energy by the reaction of oxygen with organic molecules derived from food and releases carbon dioxide as a waste product.

Many major classes of organic molecules in living organisms contain oxygen atoms, such as proteins, nucleic acids, carbohydrates and fats, as do the major constituent inorganic compounds of animal shells, teeth, and bone. Most of the mass of living organisms is oxygen as a component of water, the major constituent of lifeforms. Oxygen in Earth's atmosphere is produced by biotic photosynthesis, in which photon energy in sunlight is captured by chlorophyll to split water molecules and then react with carbon dioxide to produce carbohydrates and oxygen is released as a byproduct. Oxygen is too chemically reactive to remain a free element in air without being continuously replenished by the photosynthetic activities of autotrophs such as cyanobacteria, chloroplast-bearing algae and plants.

Oxygen was isolated by Michael Sendivogius before 1604, but it is commonly believed that the element was discovered independently by Carl Wilhelm Scheele, in Uppsala, in 1773 or earlier, and Joseph Priestley in Wiltshire, in 1774. Priority is often given for Priestley because his work was published first. Priestley, however, called oxygen "dephlogisticated air", and did not recognize it as a chemical element. In 1777

Antoine Lavoisier first recognized oxygen as a chemical element and correctly characterized the role it plays in combustion.

Common industrial uses of oxygen include production of steel, plastics and textiles, brazing, welding and cutting of steels and other metals, rocket propellant, oxygen therapy, and life support systems in aircraft, submarines, spaceflight and diving.

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