

Sense Organs And Its Functions

Vomer nasal organ The vomeronasal organ (VNO), or Jacobson's organ, is the paired auxiliary olfactory (smell) sense organ located in the soft tissue of the nasal septum

Body without organs limited by its organization and more so by its organs. There are three types of the body without organs; the empty, the full, and the cancerous, according

== Discovery ==

Āyatana The related term saḷāyatana (Pāli; Skt. ṣaḍāyatana) refers to six cognitive functions, namely sight, hearing, smelling, tasting, body-cognition, and mind-cognition. word to cover both sense-organs (the mind being

regarded as 6th sense) and sense objects. - These āyatanāni (relations, functions, reciprocalities) are In Buddhism, āyatana (Pāli; Sanskrit: आयतन) is a "center of experience" or "mental home," which create one's experience

Function Eimer recognized the importance of the mole's nose... **References** Theodor Eimer described the discrete microscopic organ of touch that densely populates the tip of the nose of the European mole *Talpa europaea*. The organ is named in his honour. In his original publication in 1871, he examined the structure of the nose, the distribution of the touch organs on the nasal skin, and the relationship of their density with the nose's use for palpation, to examine or explore by touching. Eimer established a connection between structure and function. **Etymology** Āyatana may refer to both ordinary experience and the chain of processes leading to bondage, as to awakened experience centered in detachment and meditative accomplishment. The Buddhist path aims to relocate one from the ordinary, sensual centers of experience to the "mental home" of the purified, liberated

awareness of the jhanas. 89b6f8abcf

Organ of Tömösváry The organs were first described by Hungarian biologist Ödön Tömösváry in 1883. g Tömösváry organs, also known as temporal organs or postantennal organs are specialized paired sensory organs found in certain groups of myriapods (e. They are notably absent among Polydesmid (flat-backed millipedes), the largest order of Diplopoda. centipedes and millipedes) and hexapods (e. springtails), located on the head near the base of the antennae. g. g. Various functions for the Tömösváry organs have been proposed, including sensing vibration, humidity, or light, although evidence for their true function is conflicting, and in groups such as millipedes its true function is unknown. Tömösváry organs, also known as temporal organs or postantennal organs are specialized paired sensory organs found in certain groups of myriapods (e 89b6f8abcf

Traditionally, the term āyatana is translated as "sense base", "sense-media" or "sense sphere," due to the influence of later commentators like Buddhaghosa. The saḷāyatana are traditionally understood as referring to the

five senses and the mind. 89b6f8abcf

Lateral line The sensory ability is achieved via modified epithelial cells, known as hair cells, which respond to displacement caused by motion and transduce these signals into electrical impulses via excitatory synapses. Lateral lines play an important role in schooling behavior, predation, and orientation. also called the lateral line organ, is a system of sensory organs found in fish, used to detect movement, vibration, and pressure gradients in the surrounding The lateral line, also called the lateral line organ, is a system of sensory organs found in fish, used to detect movement, vibration, and pressure gradients in the surrounding water 89b6f8abcf

Sense of balance The sense of balance or equilibrioception is the perception of balance and spatial orientation. It helps prevent humans and nonhuman animals from falling 89b6f8abcf

Early in the evolution of fish, some of the sensory organs of the lateral line were modified to function as the electroreceptors called ampullae of

Lorenzini. The lateral line system is ancient and basal to the vertebrate clade, as it is found in fishes that diverged over 400 million years ago. 89b6f8abcf
Āyatana (Pāli; Sanskrit: आयतन) is a Buddhist term that does not have a single definition or meaning. The standard PTS Pāli-English Dictionary by Davids & Stede (1921) gives the following meanings of āyatana: 89b6f8abcf

Sense the surroundings through the detection of stimuli. During sensation, sense organs collect various stimuli (such as a sound or smell) for transduction, meaning transformation into a form that can be understood by the brain. During sensation, sense organs collect various stimuli (such as a sound or smell) for transduction, A sense is a biological system used by an organism for sensation, the process of gathering information about the surroundings through the detection of stimuli. Sensation and perception are fundamental to nearly every aspect of an organism's cognition, behavior and thought 89b6f8abcf

Although, in some cultures, five human senses were traditionally identified as such (namely sight, smell, touch, taste, and hearing), many more are now

recognized. Senses used by non-human organisms are even greater in variety and number. 89b6f8abcf

Eimer's organ First isolated by Theodor Eimer from the European mole in 1871, these organs are present in many moles, and are particularly dense on the star-nosed mole, which bears 25,000 of them on its unique tentacled snout. First isolated by Theodor Eimer from the Eimer's organs are organs for the sense of touch, shaped like bulbous papillae, formed from modified epidermis. Eimer's organs are organs for the sense of touch, shaped like bulbous papillae, formed from modified epidermis. The organs are formed from a stack of epidermal cells, which is innervated by myelinated fibers from the dermis, which form terminal swellings just below the keratinized outer surface of the epidermis. They contain a complex of Merkel cell and neurite in the epidermis, and a lamellated corpuscle in the dermal connective tissue 89b6f8abcf

The lateral line system allows the detection of movement, vibration, and pressure gradients in the water surrounding an animal. It plays an essential

role in orientation, predation, and fish schooling by providing spatial awareness and the ability to navigate in the environment. Analysis has shown that the lateral line system should be an effective passive sensing system able to discriminate between submerged... 89b6f8abcf

Vestibular system vertebrates, is a sensory system that creates the sense of balance and spatial orientation for the function of coordinating movement with balance. Together 89b6f8abcf

In organisms, a sensory organ consists of a group of interrelated sensory cells that respond to a specific type of physical stimulus. Via cranial and spinal nerves (nerves of the central and peripheral nervous systems that relay sensory information to and from the brain and body), the different types of sensory receptor cells (such as mechanoreceptors, photoreceptors, chemoreceptors, thermoreceptors) in sensory organs transduce sensory information from these organs towards the central nervous system, finally arriving... 89b6f8abcf

Circumventricular organs sensory organs include the area postrema, the subfornical organ, and the vascular organ of lamina terminalis, all having the ability to sense signals

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