

structure of human ear pdf

Ear "Structure and Function By: Dr. Vijay Kumar. Four major divisions of auditory system - Anatomy 1. The outer ear - pinna - ear canal - eardrum 2. The middle ear - three ossicle bones; ... These middle ear bones mechanically amplify sound and compensate mismatched impedance.

Ear Structure and Function

Each ear is additionally divided into three functional parts: the outer (external) ear, the middle ear and the inner (internal) ear. The overall anatomical structure of the human ear and its division in three functional parts are shown in Figure 8-1. (A more detailed but more schematic picture of the ear structures is shown in Figure 8-10).

8 BASIC ANATOMY OF THE HEARING SYSTEM - USAARL

Functions of Ear: The ear performs the functions of hearing and balancing (equilibrium). 1. Mechanism of Hearing: The sound waves are collected by the external ear up to some extent. They pass through the external auditory meatus to the tympanic membrane which is caused to vibrate.

Human Ear: Structure and Functions (With Diagram)

54 Anatomy and physiology of the ear and hearing Figure 2.1. The pinna and external auditory canal form the outer ear, which is separated from the middle ear by the tympanic membrane. The middle ear houses three ossicles, the malleus, incus and stapes and is connected to the back of the nose by the Eustachian tube.

2 THE ANATOMY AND PHYSIOLOGY OF THE EAR AND HEARING - WHO

supported by underlying anatomy and physiology; and To understand some basic perceptual aspects of sound such as hearing threshold, loudness, pitch, and masking. KEY TERMS AND DEFINITIONS Auditory periphery: The outer ear, middle ear, and inner ear, ending at the nerve fibers exiting the inner ear.

Structure and Function of the Auditory System

The middle and inner parts of the ear are located in hollow spaces on either side of the head within the temporal bones of the skull. To hear sound, the ear has to do three basic things: Direct the sound waves into the hearing part of the ear.

Hearing, structures and functions of the ear - Careerforce

2 Structure and function 2.1 Structure and function of the outer and middle ear. Figure 1 is a diagram of the human ear. The outer ear consists of the visible part of the ear or pinna, the external auditory canal (meatus), and the tympanic membrane (tympanum) or eardrum. The human pinna is formed primarily of cartilage and is attached to the head by muscles and ligaments.

Hearing: 2.1 Structure and function of the outer and

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On Human Ear Worksheets - Printable Worksheets

J Am Acad Audiol 8: 383-390 (1997) Anatomy and Orientation of the Human External Ear Lynn S. Alvord* Brenda L. Farmer' Abstract A knowledge of the external ear and tympanic membrane is essential to

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Anatomy and Orientation of the Human External Ear

The human ear, like that of other mammals, contains sense organs that serve two quite different functions: that of hearing and that of postural equilibrium and coordination of head and eye movements. Anatomically, the ear has three distinguishable parts: the outer, middle, and inner ear .

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