

ear anatomy pdf

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

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

Amplification of sound by the pinna, tympanic membrane and middle ear causes an increase in level of about 10 to 15 dB in a frequency range of 1.5 kHz to 7 kHz. This amplification is an important factor in inner ear trauma resulting from elevated sound levels.. Notch of pinna. Due to its anatomy, the pinna largely eliminates a small segment of the frequency spectrum; this band is called the ...

Auricle (anatomy) - Wikipedia

The ear is the organ of hearing and, in mammals, balance. In mammals, the ear is usually described as having three parts—the outer ear, middle ear and the inner ear. The outer ear consists of the pinna and the ear canal. Since the outer ear is the only visible portion of the ear in most animals, the word "ear" often refers to the external part alone. The middle ear includes the tympanic cavity ...

Ear - Wikipedia

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Anatomy of the Cochlea Background. Both music and the structure of the inner ear are integrated in this fascinating illustration of how we hear sound.

The Cochlea | HHMI BioInteractive

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What Is a Barotrauma? A barotrauma is a pressure related injury (baro refers to pressure and trauma refers to an injury). Many kinds of barotraumas are possible in diving, such as lung, sinus, and ear barotraumas.

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