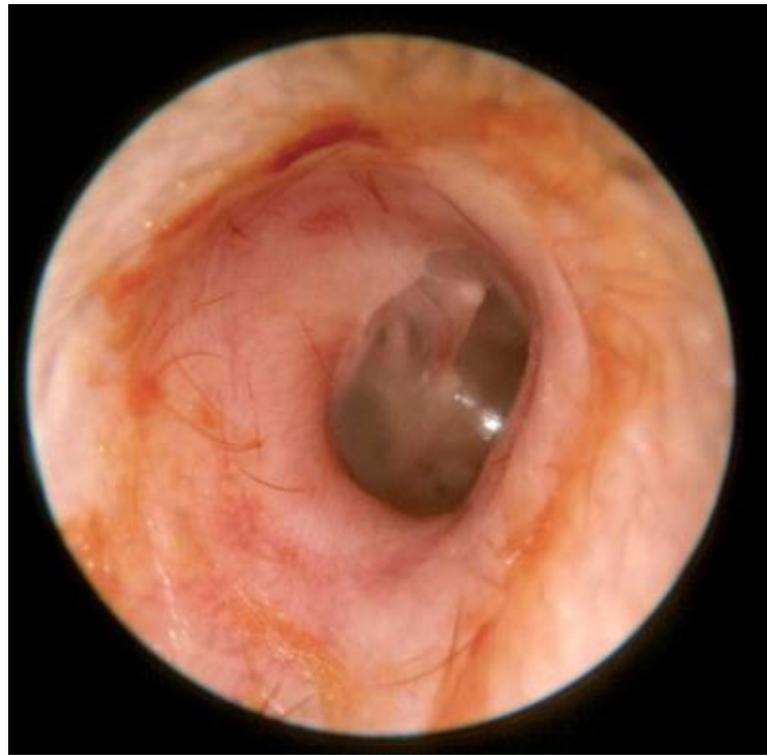


DISEASES OF THE EXTERNAL EAR

MUDr. Kaliariková

Seminar for medical students 2019/20

NORMAL OTOSCOPY

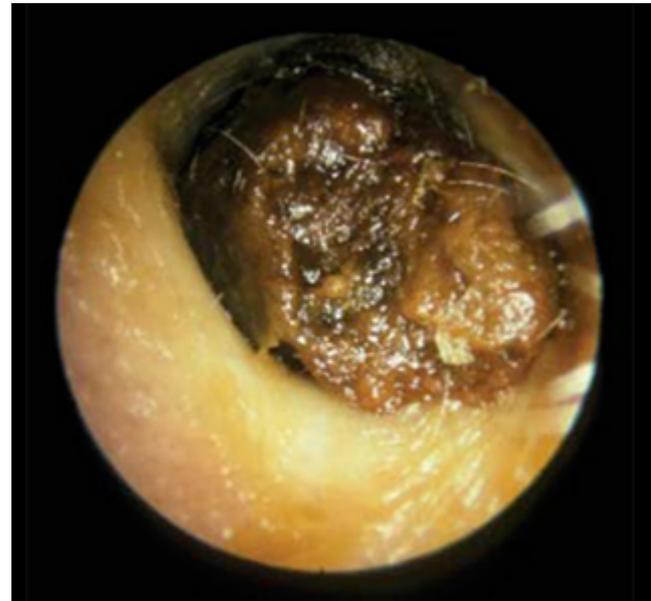
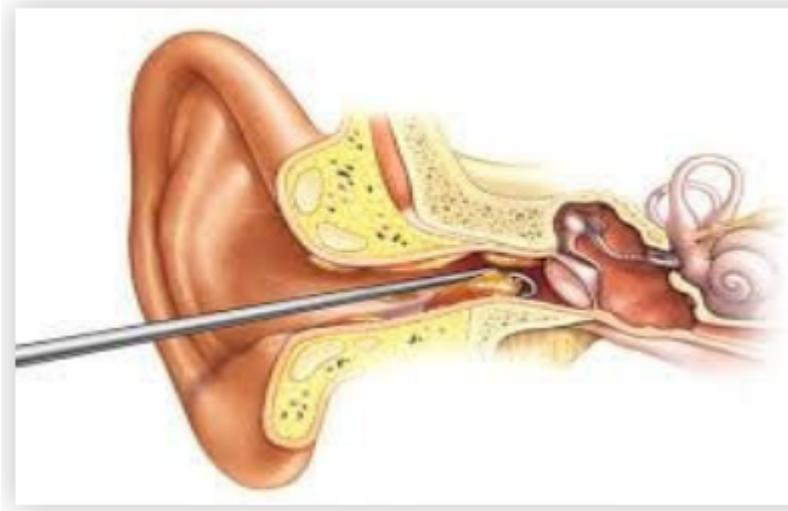


DISEASES OF THE EXTERNAL EAR

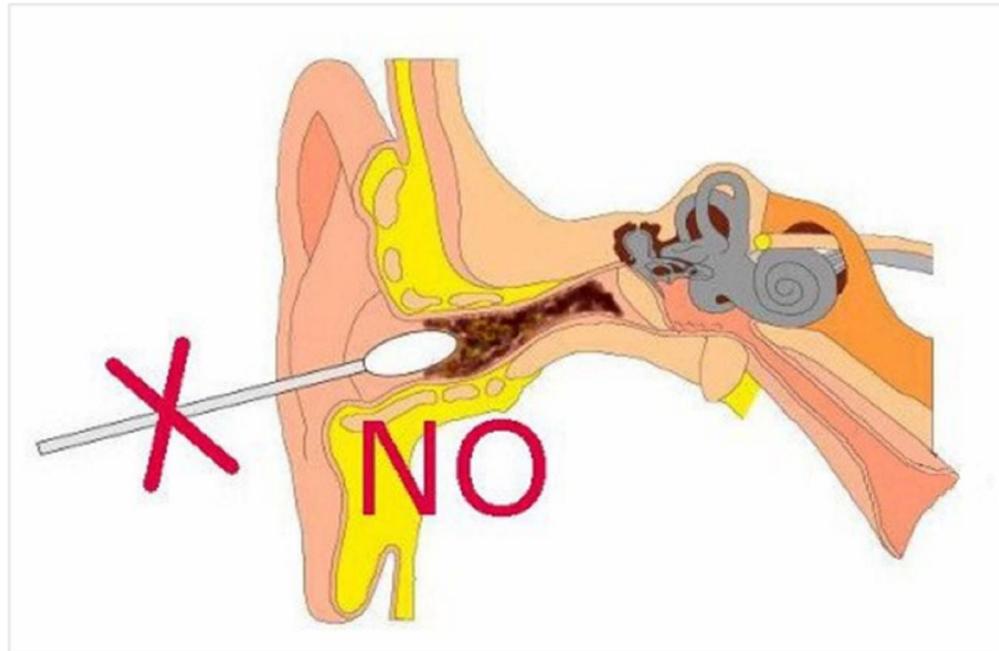
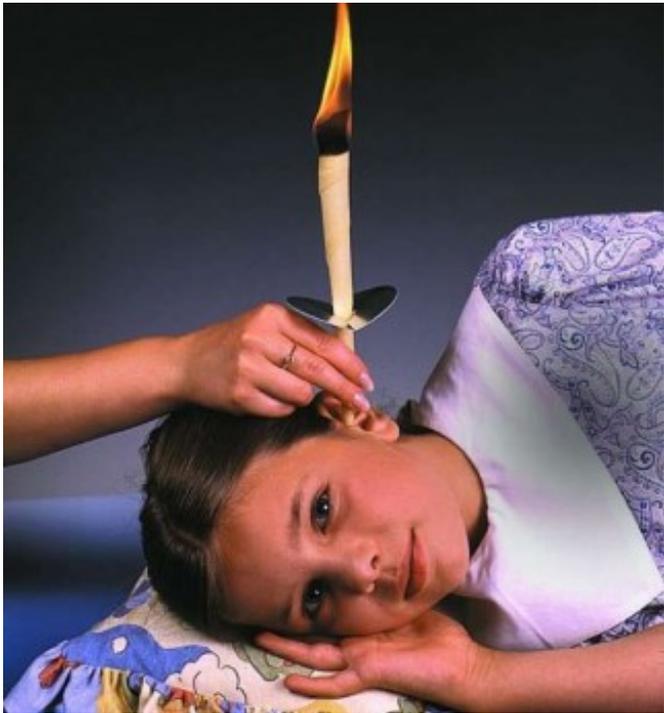
- ◉ Cerumen obturans
- ◉ External Ear Inflammatory Diseases
- ◉ Injury of the External Ear
- ◉ Foreign body in the EAC
- ◉ Tumors (benign, malignant)

CERUMEN OBTURANS

- ⦿ Ear wax is produced by gl.ceruminosae in EAC
- ⦿ Yellow-brown matter with fat particles
- ⦿ Partially or totally obstruct the EAC
- ⦿ Hearing loss, tinnitus, inflammation of the EAC
- ⦿ **Th:** irrigation by lukewarm water, manual removal, topical oil preparations



CAVE: COTTON BUDS / Q-TIPS, EAR CANDLING



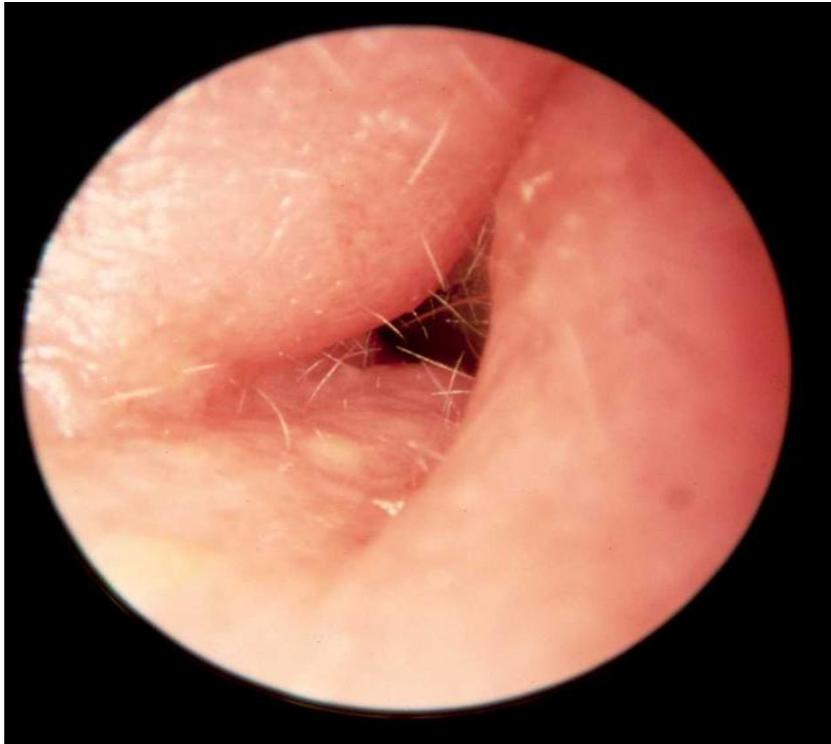
OTITIS EXTERNA DIFFUSA

- ⊙ Inflammation of the skin and the submucous tissues of the EAC
- ⊙ Bathing in contaminated or chlorinated water
- ⊙ Disease of summer months
- ⊙ Pain, erythema and stricture of the EAC, in severe cases impassability of the EAC, conductive hearing loss,
- ⊙ Local ATB in unguent or drops, analgetics, in severe cases ATB generally

OTITIS EXTERNA CIRCUMSCRIPTA

- ◉ Affliction of small skin glands (gl.ceruminosae) or hair follicles of the EAC
- ◉ painful
- ◉ Erythema and swelling in the cartilaginous part of EAC (folliculitis, furuncle)
- ◉ Th: incision, local ATB, in severe cases ATB generally

OTITIS EXTERNA



OE MYCOTICA



HERPES SIMPLEX OTICUS



ERYSIPEL

- ◉ Streptococcal infectious disease of skin
- ◉ painful, circumscribed erythema
- ◉ **Th:** preferably PNC



PERICHONDROITIS AURICULAE

- cartilage inflammation
- develops usually after ear injury, or e.g. after insect bite (cave - piercing)
- abscess formation may occur
- it can lead to destruction of cartilage with a permanent deformation of the auricle
- Th: ATB generally, puncture, incision, drainage, remove destroyed cartilage

PERICHONDritis auriculae



INJURY OF THE EXTERNAL EAR

- ◉ **Auricle injury**

 - Open:** revise, desinfection, suture in LA/GA, ATB prevention

 - Closed:** othematoma

 - Frostbite, burns**

- ◉ **EAC injury**

 - Most frequently during personal hygiene

 - In pyramid fractures (cave otoliquorrhoea)

OTHEMATOMA

- ◉ Blunt injury (combat sports)
- ◉ Collection of blood between perichondrium and cartilage
- ◉ Risk of perichondritis auriculae
- ◉ Th: Early puncture, incision, ATB



FOREIGN BODY IN THE EAC

- ◉ **Organic:** legume, plants, insect
- ◉ **Anorganic:** cotton, small part of toy, bead



BENIGN TUMORS

- ◉ Hemangioma
- ◉ Dermoid cyst
- ◉ Neurofibroma
- ◉ Sebaceous cyst
- ◉ Exostosis
- ◉ Congenital: choristoma, hamartoma, teratoma

MALIGNANT TUMORS

- Basal-cell carcinoma (BCC)
- Spinocellular carcinoma (SCC)
- Malignant melanoma



SCC



BCC



Melanoma