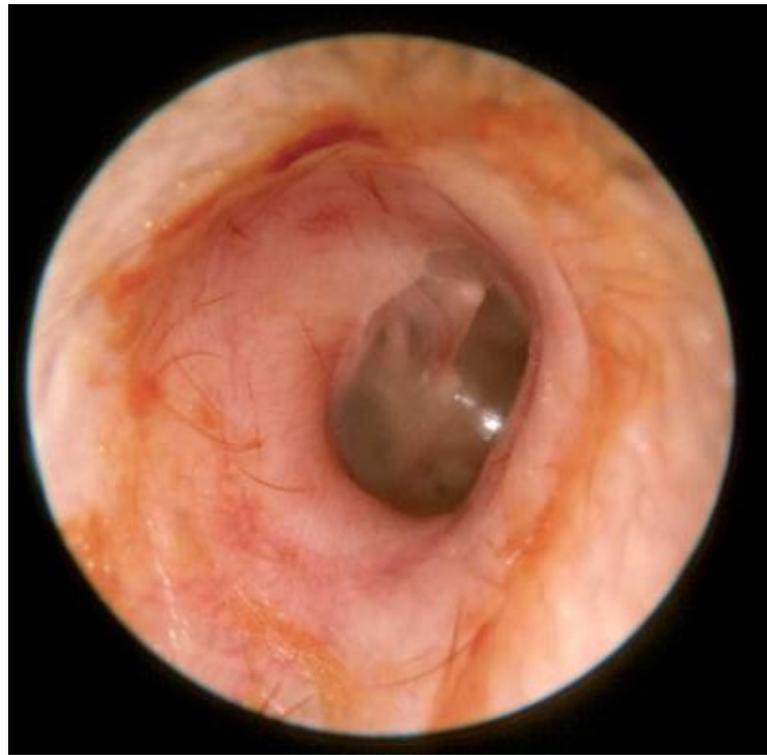


# DISEASES OF THE EXTERNAL EAR

MUDr. Kaliariková

Seminar for medical students 2019/20

# NORMAL OTOSCOPY

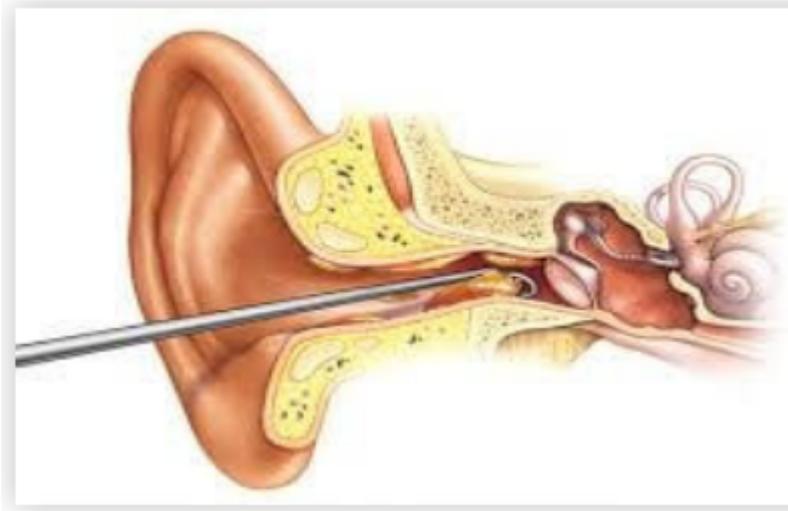


# DISEASES OF THE EXTERNAL EAR

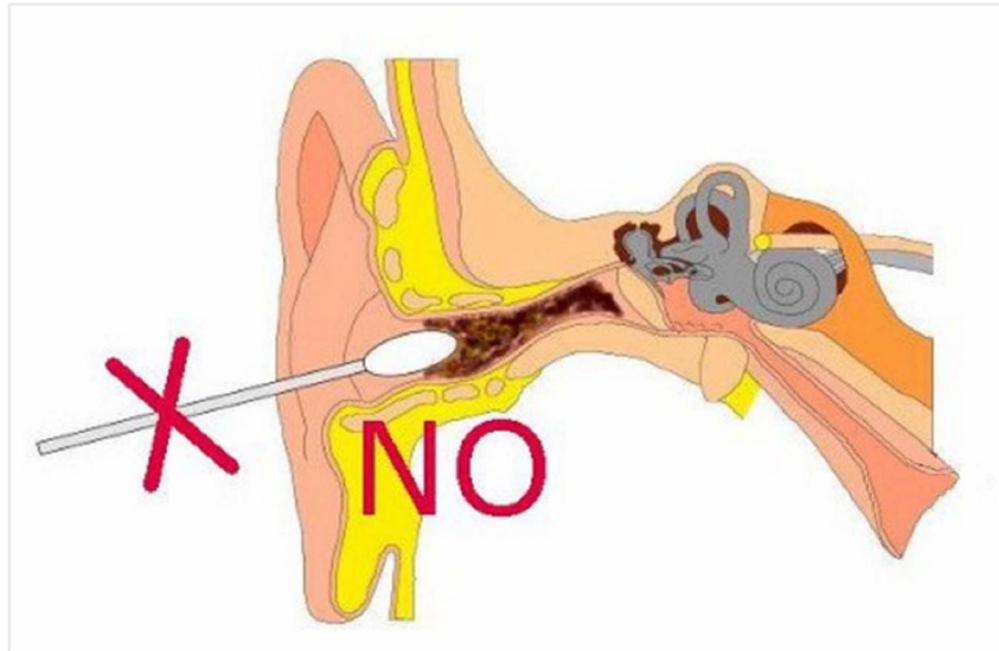
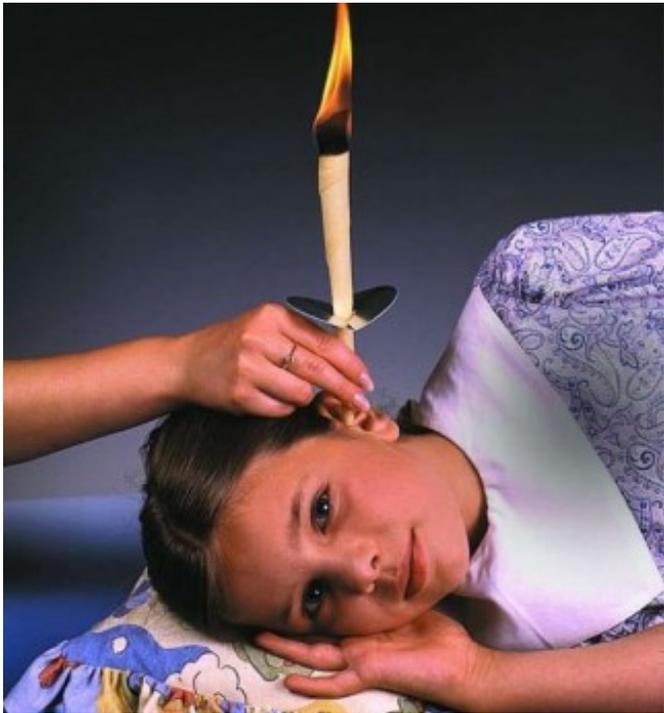
- ◉ Cerumen obturans
- ◉ External Ear Inflammatory Diseases
- ◉ Injury of the External Ear
- ◉ Foreign body in the EAC
- ◉ Tumors (benign, malignant)

# 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



# PERICHONDritis 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