MINOR PROCEDURES

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Today's Agenda

- Foreign Body Removal
- Ear
- Nose
- Eye
- Ring Removal
- Soft tissue
- Hemorrhoids
- Animal Bites
- Tetanus and Rabies Immunization

Foreign Body Removal







Cerumen Impaction

- Causes
- Anatomic deformities
- Increased number of hairs in the external auditory canal
 Physical barriers to natural wax extrusion (e.g., cotton swabs, hearing aids, earplug-type hearing protectors
- Diagnosis by history & visualization
- Ensure no recent history of trauma !
- Treatment
 - Irrigation of the external auditory canal, with or without the use of ceruminolytics
 - Jet irrigation, syringes, elephant ear, etc.Cerumenolytics alone
 - Manual removal using a curette, forceps, suction or glue

Cerumen Impaction

- Wax occludes canal
 - Diminishes hearing
 - May cause pain
- Removal
 - Ceruminolytics
- Visual removal cerumen loop
- Suction
- Visual removal with alligator forceps
- Irrigation

Cerumenolytics

- Several drops to canal
- Allow to sit for 20-30 minutes
- Manually remove, suction, and/or irrigate with warm water

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- Ensure TM is intact
- Consider antibiotic otic drops if skin traumatized
- Home self-care
- Several drops cerumenolytic to ear
- Allow to soften 30 minutes
- Allow water to run into ear in shower
- Gently massage over tragus
- Clean gently with towel
- No Q-tips

Cerumen-Softening Agents

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			and is ineffective with the first irrigation attempt, instill water and wait 15 minutes	

Contraindications

- Irrigation
- Hx TM perforation
- Previous pain with irrigation
- Previous middle ear surgery
- Relative contraindications
 lack of visualization
- lack of visualization
- Suction
- Severe tinnitus with previous suction
- Excessively hard cerumen
- Uncooperative pateint

Potential Complications

- TM preformation
- Canal laceration/abrasion
- 2° infection
- Hearing loss
- Pain
- Dizziness
- Syncope

Suction may create a cooling effect and elicit a caloric response from the inner ear causing nystagmus and vertigo

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Ear Candling

- Originates from traditional Chinese, Egyptian, or North American medicine??
- Hollow candle made from a fabric tube soaked in beeswax
- No evidence based proof of efficacy
- Concerns for safety





Take Home Points

- Remember, insects are friable they come apart, separate
- If alive, drown with mineral oil, viscous lidocaine or other liquid
- Optimally, remove FB by irrigation
- If manual removal, irrigate to clear
- Always visualize ear canal and TM
- Consider otic antibiotics if trauma to canal Be ready for complications
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