

Otitis in 3 Steps

1. Dirty – Waxy ears with minimal symptoms – itch or pain and rare occurrences
 - a. Clean the ears in the clinic if possible
 - i. EpiOtic Advanced best-safest product currently
 - ii. No acids, No alcohol, herbals
 - iii. Fill ear canal – let shake dry – repeat until clean
2. Otitis
 - a. Allergy or Endocrine disorder as the trigger
 - b. Mild non-infected otitis will eventually become infected
 - c. Treatment
 - i. Multimodal ointment (100s of products)
 1. Place in the ear every 24-72 hours
 2. Make sure volume is adequate: .5ml – 1.5 ml
 3. Use a syringe or pump bottle for easy dosing
 4. 1/10,000 ototoxicity rate
 - ii. Long-term Ear Pack
 1. LETK – lanolin, enrofloxacin, triamcinolone, ketoconazole
 - a. Must be warmed to prevent ear plug
 - b. Can be used every 1-2 weeks
 - c. Cheap but messy
 2. Osumnia and Claro
 - a. Same active ingredients
 - b. Osumnia is alcohol free bioactive gel
 - c. Claro is alcohol base with quicker kill
 - d. Both are effective for 2-3 weeks and can be repeated.
 - d. Prevention
 - i. Use which ever ear product at longer intervals
 1. Multimodal ointments use every 3-7 days
 2. Long-term Ear Pack use every 2-3-4 weeks
3. Severe purulent ulcerated and painful otitis
 - a. Usually mixed bacteria – cocci and rods – Pseudomonas, Proteus, Ecoli
 - b. Liquid purulent exudate and discharge
 - c. Painful, ulcerated ears
 - d. Tympanic membrane is usually ruptured but often can't see it anyway
 - e. Oral antibiotics do not achieve high enough concentration at the ear tissue
 - f. Severe swelling and pain may require 1 week of high dose steroids
 - g. Bacteria cultures are usually not necessary
 - h. TrisEDTA 4 oz with 1200mg enrofloxacin and 40 mg of Dex SP
 - i. Fill ear canal completely every 12-24 hours
 - ii. Should resolve infection in 2 weeks
 - iii. Then switch to prevention therapy
 - i. If not successful, consider culture guided therapy or TECA