Fat Graft Myringoplasty

• Indications
  – Small perforation <10%
  – Normal middle ear mucosa
  – No history of drainage
  – Dry ear
Materials

- Anesthesia - stapes
- Schuknecht speculum holder
- Otoendoscopy 1.7 mm 30° or 0°
- Right - angle pick freshen edges
- Ear lobe fat
Materials

- Gelfoam in middle ear (Ofloxacin otic)
- EpiDisc™ otologic lamina Xomed-Medtronic
- Rosebud Packing
- Remove in 2 weeks
EpiDisc™ Otologic Lamina

- 8 mm precut discs
- Transparent perforated film made of esterified hyaluronic acid
- Acts as a guide for the growth of the epithelial cells
Otoendoscopy

- Fish-eye view
- Evaluate the middle ear for pathology
- $360^\circ$ view of TM
Room Set-up
Procedure

• Obtain Fat Graft
Procedure

- Otoendoscope
Procedure

• Rim Perforation
Procedure

- Place Gelfoam in Middle Ear
Procedure

- Place Fat
Procedure

• Place Gelfilm
Tips

- Freshening edges of perforation
- Bleeding from edges
- Large fat graft; 2x Perforation
- Stable packing 2 weeks
Contraindications

- Skin under tympanic membrane
- Active drainage
- Large perforation
- Large conductive loss
- Abnormal mucosa
• Results
  – 95% Graft take