# Resource 5-2: Middle Ear Conditions

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<th>Condition</th>
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| Normal TM                         | No specific complaint                                                   | Pale, gray, translucent appearance  
Cone of light and bony landmarks visible  
Mobile with pneumatic otoscopy     | None, normal finding                                                      |
| Otitis media with effusion (AKA serous otitis) | Sensation of ear fullness or pressure, itch, and/or otalgia. Conductive hearing loss. No fever or otorrhea | Air-fluid level visible, often with air bubbles  
Opaque yellow or blue color  
Cone of light and bony landmarks diminished or absent  
TM mobility with pneumatic otoscopy limited | Treatment of underlying cause such as allergic rhinitis. Usually resolves in 1-3 weeks without special intervention |
| Acute otitis media                | Sensation of ear fullness, pressure and otalgia. Conductive hearing loss.  
Fever common                           | TM redness, bulging  
Cone of light and bony landmarks absent  
TM mobility with pneumatic otoscopy absent  
Otorrhea possible with TM rupture | Analgesia, antimicrobial therapy typically given. However, high rate of spontaneous resolution without antimicrobial treatment. |


## Normal findings

- Pale, gray, translucent appearance
- Cone of light and bony landmarks visible
- Mobile with pneumatic otoscopy
Otitis media with effusion
(AKA serous otitis media)

- Air-fluid level visible, often with air bubbles
- Gray to amber color
- Cone of light and bony landmarks diminished or absent
- TM mobility with pneumatic otoscopy limited

Acute otitis media

- TM redness, bulging
- Cone of light and bony landmarks absent
- TM immobile with pneumatic otoscopy absent