Summary of IOOG SAMEO-ATO framework

**Stage of surgery**
- **S1** Primary (first surgery)
- **S2p** Planned (2nd look or staged procedure)
- **S2r** Revision (unplanned)

**Access to middle ear**
- **Ax** No bone removal from the external ear canal wall (flattening of suture line alone is still considered as Ax)
- **A1** Widening of the posterior portion of tympanic sulcus (including canal curettage or drilling to visualise the ossicular chain or hypotympanum)
- **A2** Partial or circumferential widening of the bony canal (canalplasty)
- **A3** Total canalplasty with soft tissue grafting of exposed bone

**External ear canal reconstruction**
- **Ex** No external ear canal reconstruction
- **E1** Reconstruction with soft materials
- **E2** Reconstruction with rigid materials
  - space behind graft not obliterated

**Ossicular chain**
- **O1** Incus to malleus to TM to footplate
- **O2** Incus to malleus to TM to vestibule

**Obliteration of mastoid cavity**
- **Ox** No obliteration
- **O1** Partial obliteration
- **O2** Total obliteration

**Mastoidectomy**
- **M0** No mastoidectomy
- **M1a** Canal wall preserved + posterior tympanotomy
- **M1b** Only scutum removed
- **M1a+2a** Combination of M1a and M2a
- **M2a** Only scutum removed + postero-superior wall removed
- **M2b** Scutum + postero-superior wall removed
- **M2c** Whole canal wall removed
- **M3a** Subtotal petrosectomy; otic capsule preserved
- **M3b** Subtotal petrosectomy; otic capsule removed

**Tympanic membrane**
- **Tx** No tympanic membrane grafting performed
- **Tn** Original tympanic membrane preserved
- **T1** Supplement to intact tympanic membrane (reinforcement)
- **T2** Partial tympanic membrane grafting
- **T3** Subtotal / total tympanic membrane grafting