

**Online Table 1:** Demographics, clinical indication, and clinical CT findings of the patient cohort.

<b>Patient</b>	<b>Age</b>	<b>Gender</b>	<b>Clinical indication</b>	<b>Imaging findings on clinical EID-CT exam</b>
1	69	F	Hearing loss	Normal exam
2	49	F	Enhancement within round window on prior MRI	Soft tissue opacification in round window niche
3	74	F	Hearing loss, rule out cholesteatoma	Possible cholesteatoma, contralateral otomastoiditis
4	46	M	Hearing loss, rule out otosclerosis	Right fenestral otosclerosis
5	43	M	Hearing loss, status post stapes surgery	Bilateral fenestral otosclerosis; Right stapes prosthesis
6	53	M	Evaluate left stapes piston	Normal prosthesis position
7	66	M	Hearing loss	Partial opacification both middle ears
8	71	F	Assess for superior semicircular canal dehiscence	No dehiscence present
9	83	F	Right sided otalgia	Several opacified mastoid air cells without coalescent mastoiditis
10	64	F	Post-operative follow-up	Changes from cholesteatoma resection
11	70	M	Assess for superior semicircular canal dehiscence	Left superior semicircular canal dehiscence
12	84	M	Hearing loss	Normal exam
13	55	F	Ear pain, post-operative	Expected changes related to prior tympanomastoidectomy