

Temporal Bone Image Library

Chapter: Meniere's Syndrome, Hydrops

Otopathology Laboratory



Meniere's Syndrome, R-192

Title: Meniere's Syndrome, R-192

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 752

Gender: Female

Age (yrs.): 78

Otologic Diagnosis:

1. Endolymphatic hydrops, severe on left, moderate on right
2. Small endolymphatic duct and sac, bilateral
3. Apical lesion, cochlear neurons, left



Meniere's Syndrome, L-201

Title: Meniere's Syndrome, L-201

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 752

Gender: Female

Age (yrs.): 78

Otologic Diagnosis:

1. Endolymphatic hydrops, severe on left, moderate on right
2. Small endolymphatic duct and sac, bilateral
3. Apical lesion, cochlear neurons, left



Meniere's Syndrome, R-181

Title: Meniere's Syndrome, R-181

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

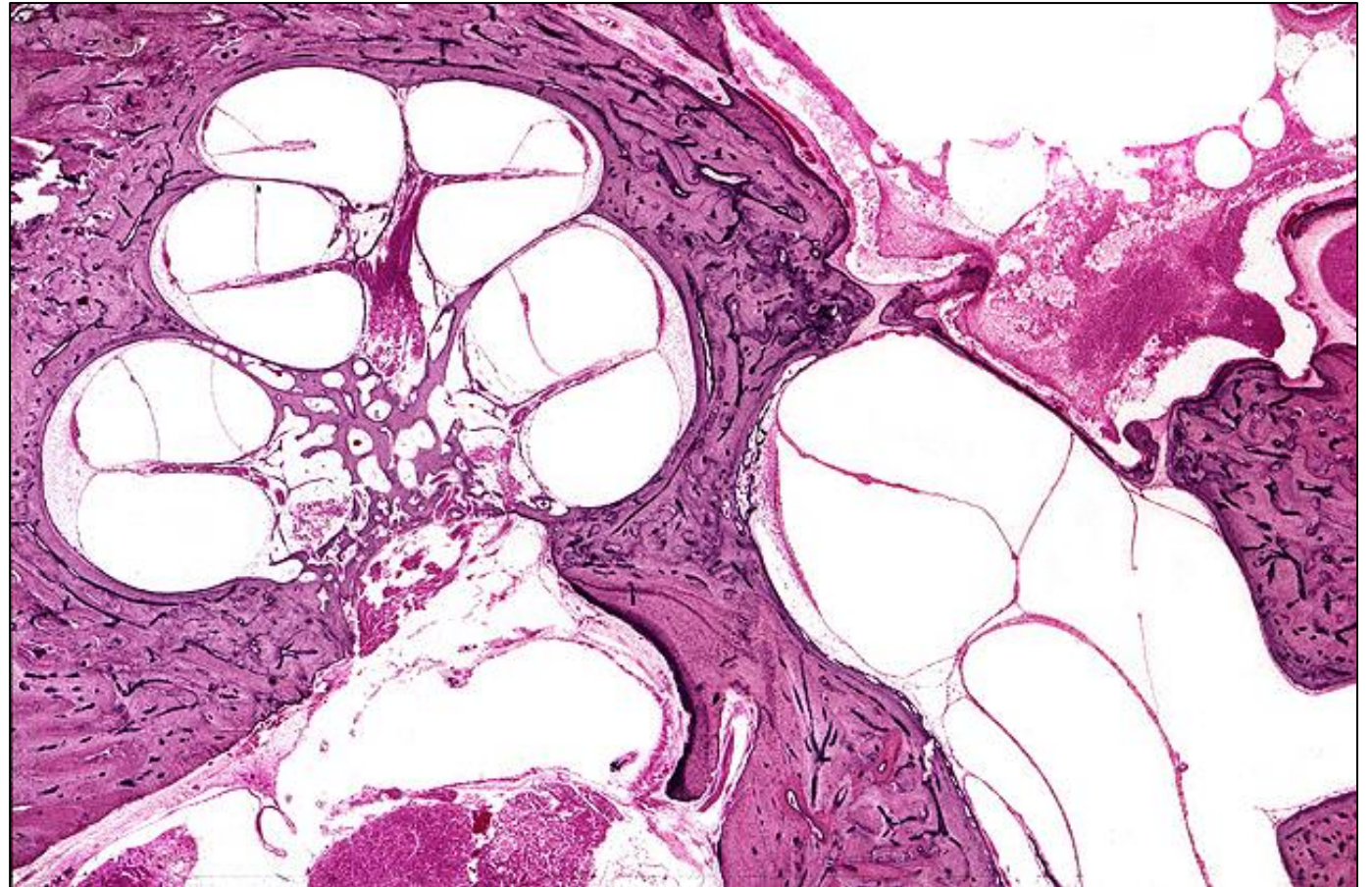
TB Case Number: 377

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Meniere's disease (endolymphatic hydrops), right
2. Organ of Corti, atrophy, severe, associated with endolymphatic hydrops, right
3. Otitis media, mild, terminal, bilateral



Episodic Vertigo, No Hydrops, L-211

Title: Episodic Vertigo, No Hydrops, L-211

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

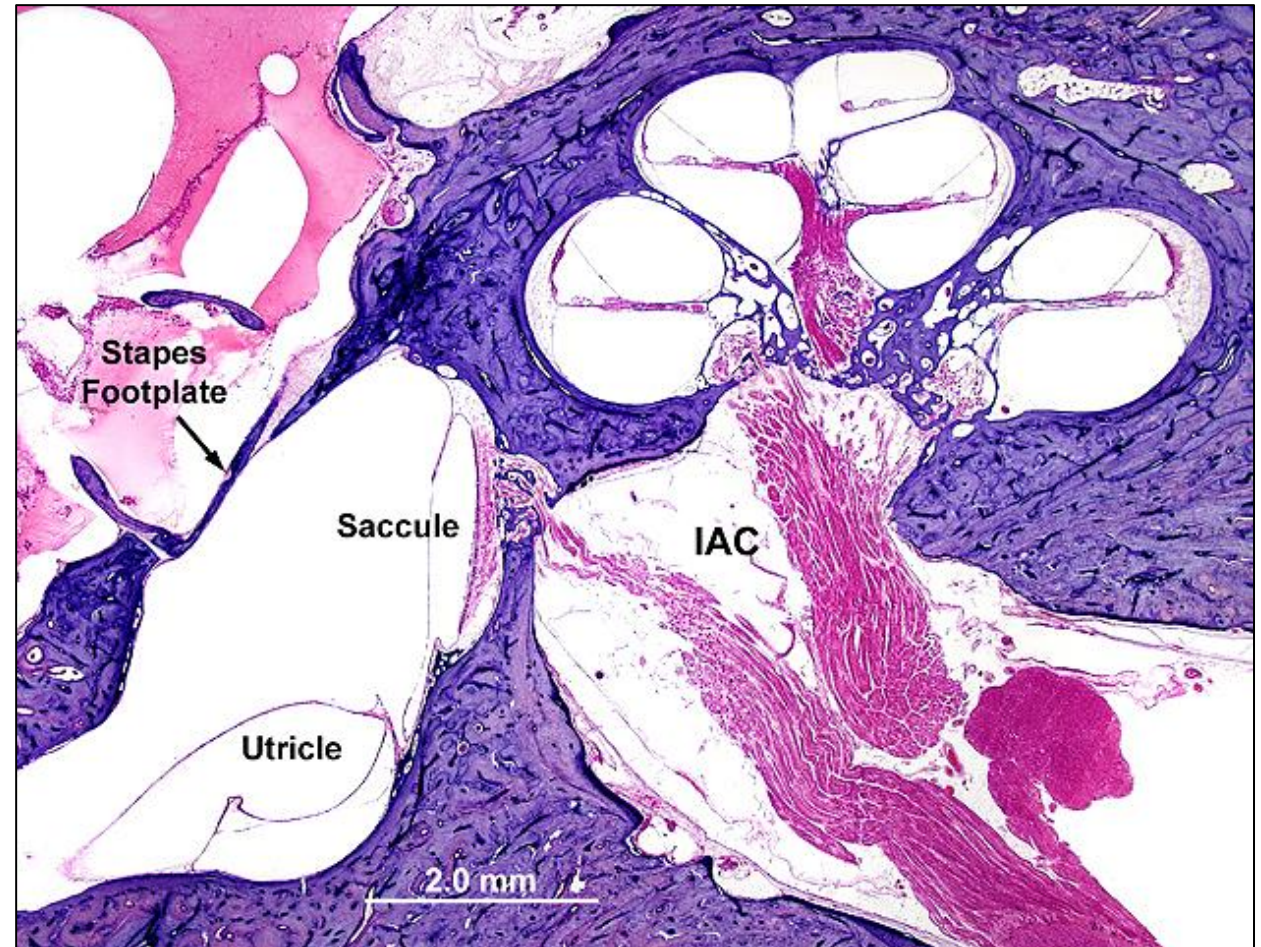
TB Case Number: 786

Gender: Female

Age (yrs.): 80

Otologic Diagnosis:

1. Strial atrophy, severe, bilateral
2. Obliteration of internal carotid artery, left
3. Neural degeneration, basal turns, moderately severe, bilateral
4. Cholesterol granuloma, asymptomatic, left



Cochlear Neuronal Loss Hydrops, L-175

Title: Cochlear Neuronal Loss Hydrops, L-175

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 668

Gender: Female

Age (yrs.): 71

Otologic Diagnosis:

Acute cochlear neuritis and labyrinthitis characterized by:

- a) Cochlear neurons, loss, moderate
- b) Cochlear hair cells, scattered loss
- c) Tectorial membrane, atrophy, basal turn
- d) Stria vascularis, atrophy, severe
- e) Endolymphatic hydrops, moderately severe



Meniere's Syndrome, L-216

Title: Meniere's Syndrome, L-216

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 1014

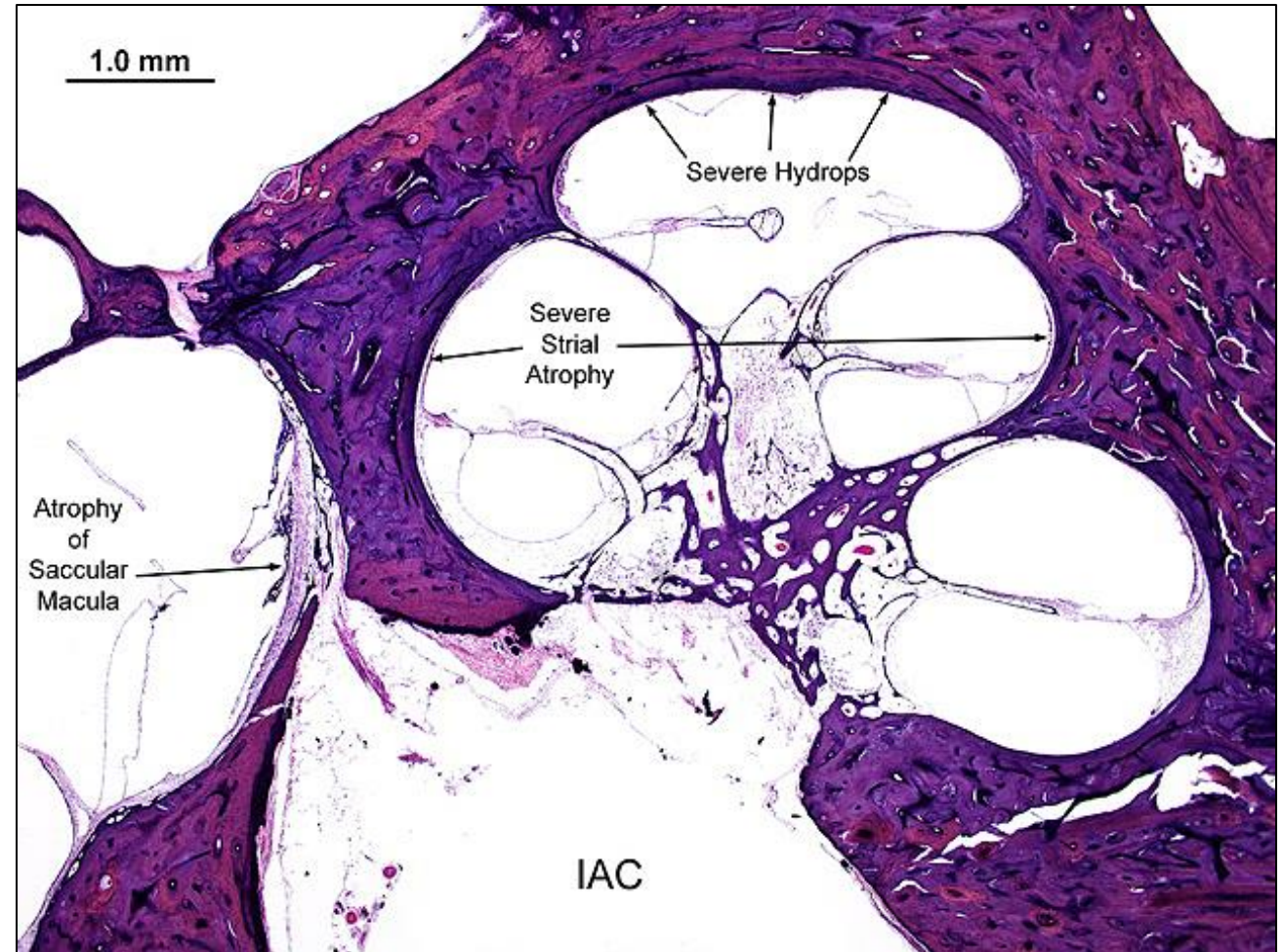
Comments: 98 yr.-old man with Meniere's for 50 years and profound sensorineural hearing loss. Severe hydrops, severe strial and organ of Corti atrophy. Severe neuronal loss. Moderate atrophy of saccular macula.

Gender: Male

Age (yrs.): 99

Otologic Diagnosis:

1. Meniere's syndrome, left ear
2. Profound sensorineural hearing loss, bilateral



Meniere's Syndrome, L-216

Title: Meniere's Syndrome, L-216

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 1014

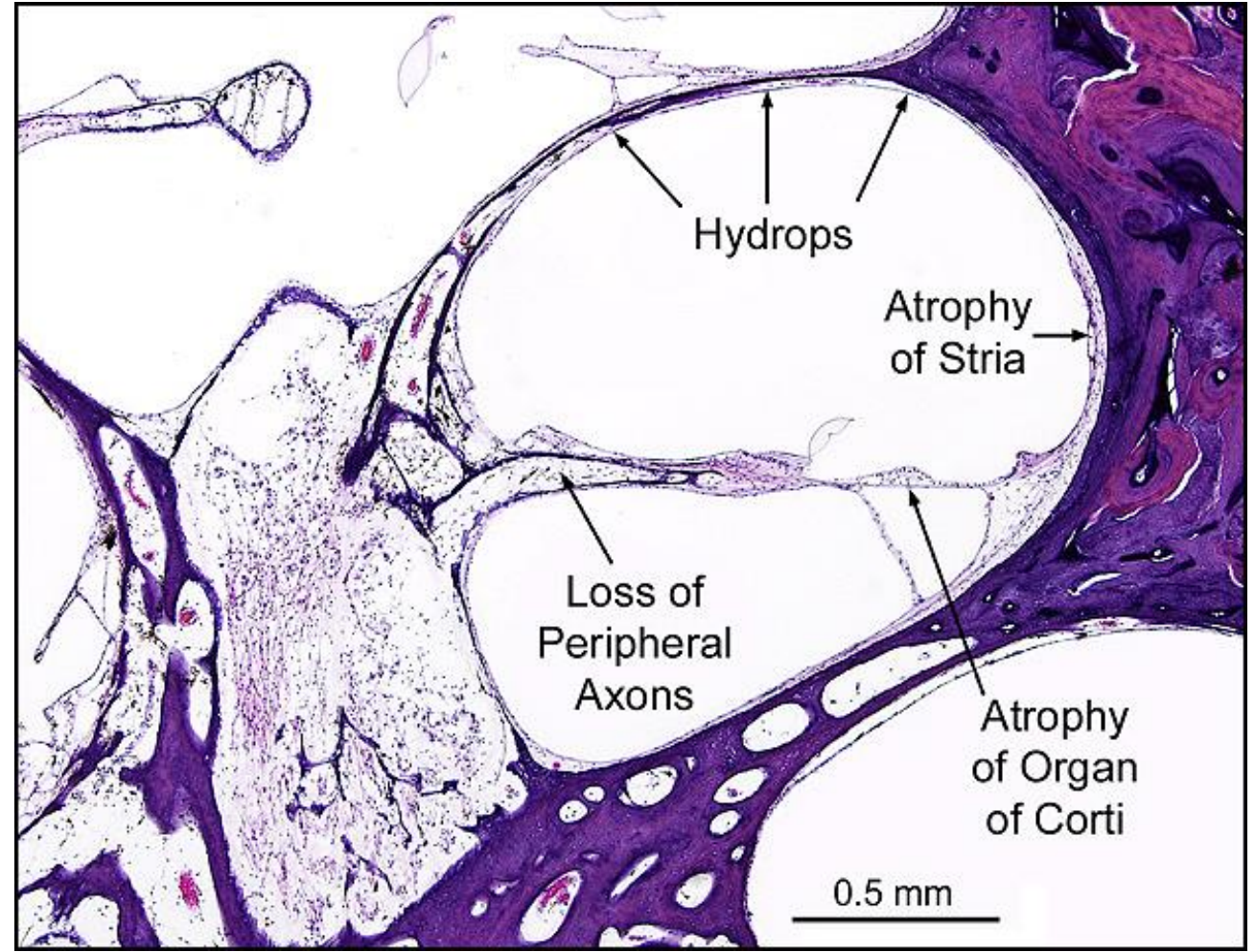
Comments: 98 yr.-old man with Meniere's for 50 years and profound sensorineural hearing loss. Severe hydrops, severe stria and organ of Corti atrophy. Severe neuronal loss.

Gender: Male

Age (yrs.): 99

Otologic Diagnosis:

1. Meniere's syndrome, left ear
2. Profound sensorineural hearing loss, bilateral



Meniere's Syndrome, L-216

Title: Meniere's Syndrome, L-216

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 1014

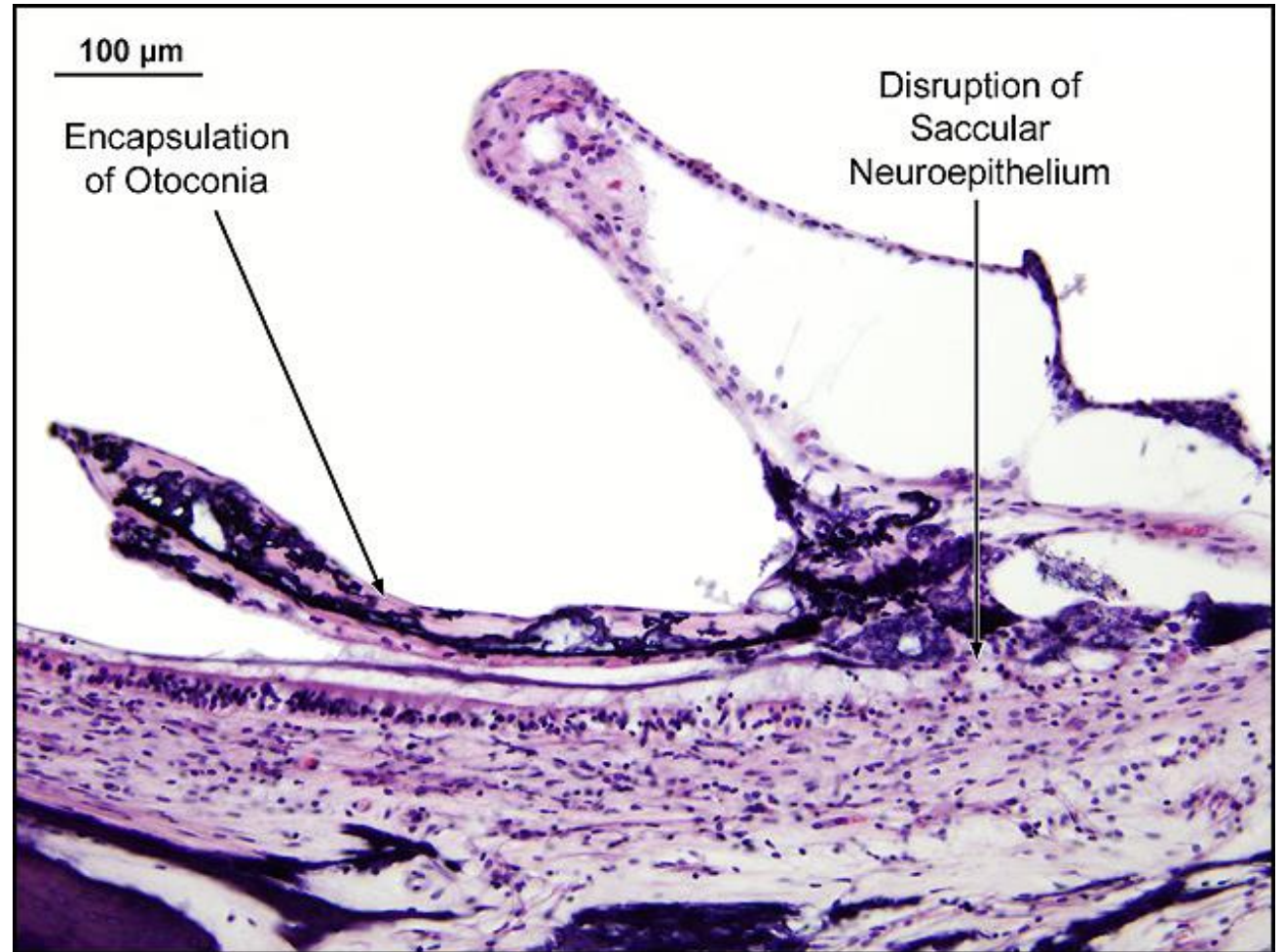
Comments: 98 yr.-old man with Meniere's for 50 years and profound sensorineural hearing loss. Moderate atrophy of saccular macula.

Gender: Male

Age (yrs.): 99

Otologic Diagnosis:

1. Meniere's syndrome, left ear
2. Profound sensorineural hearing loss, bilateral



Meniere's Syndrome, R-131

Title: Meniere's Syndrome, R-131

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 1014

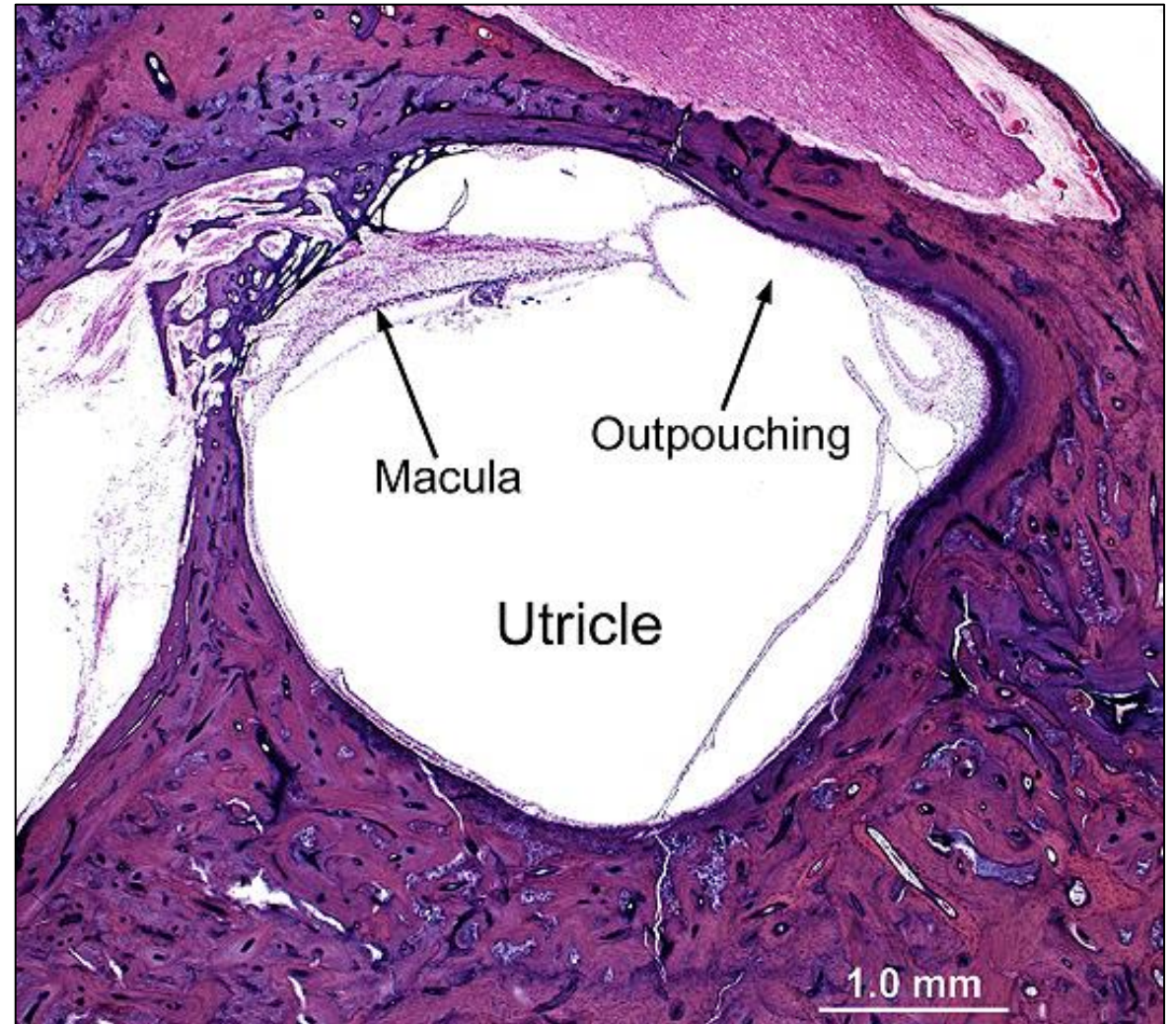
Comments: 98 yr.-old man with Meniere's for 50 years and profound sensorineural hearing loss. Hydrops of utricle with outpouching.

Gender: Male

Age (yrs.): 99

Otologic Diagnosis:

1. Meniere's syndrome, left ear
2. Profound sensorineural hearing loss, bilateral



Meniere's Syndrome, R-81

Title: Meniere's Syndrome, R-81

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 1014

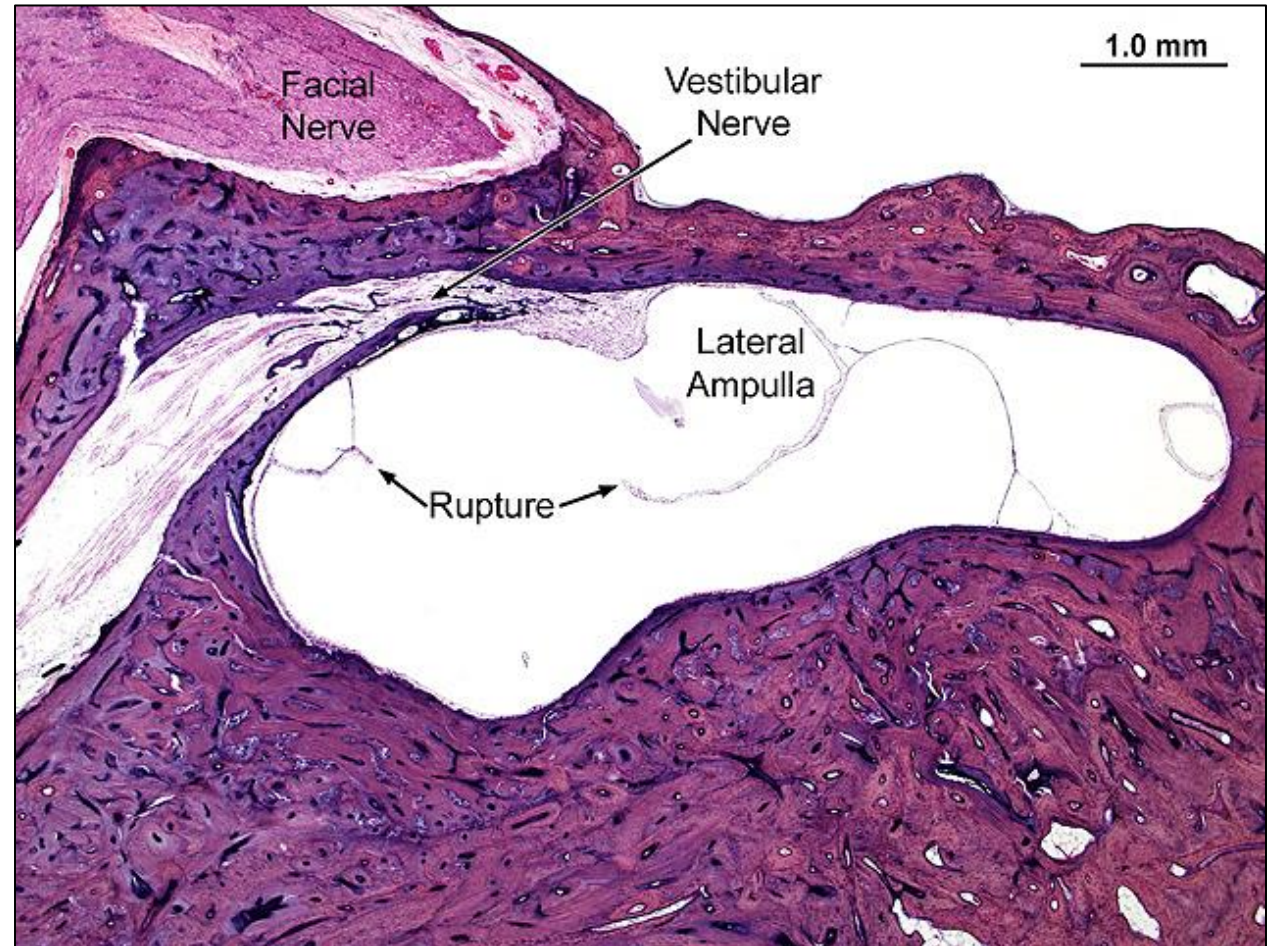
Comments: 98 yr.-old man with Meniere's for 50 years and profound sensorineural hearing loss. Rupture of lateral ampulla.

Gender: Male

Age (yrs.): 99

Otologic Diagnosis:

1. Meniere's syndrome, left ear
2. Profound sensorineural hearing loss, bilateral



Meniere's Syndrome, R-340

Title: Meniere's Syndrome, R-340

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 1014

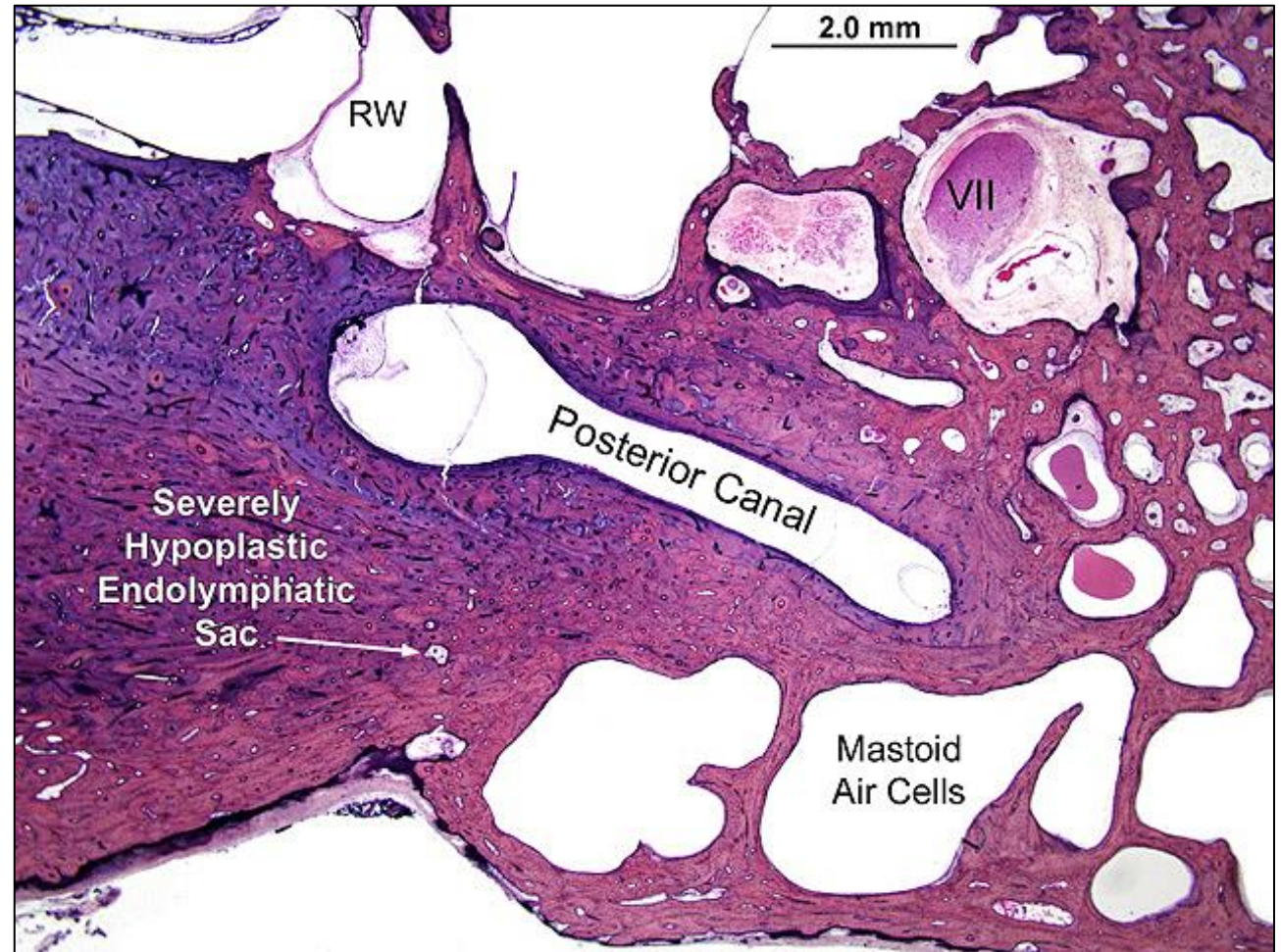
Comments: 98 yr.-old man with Meniere's for 50 years and profound sensorineural hearing loss. Severe hypoplasia of endolymphatic sac and vestibular aqueduct.

Gender: Male

Age (yrs.): 99

Otologic Diagnosis:

1. Meniere's syndrome, left ear
2. Profound sensorineural hearing loss, bilateral



Meniere's Syndrome, R-340

Title: Meniere's Syndrome, R-340

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 1014

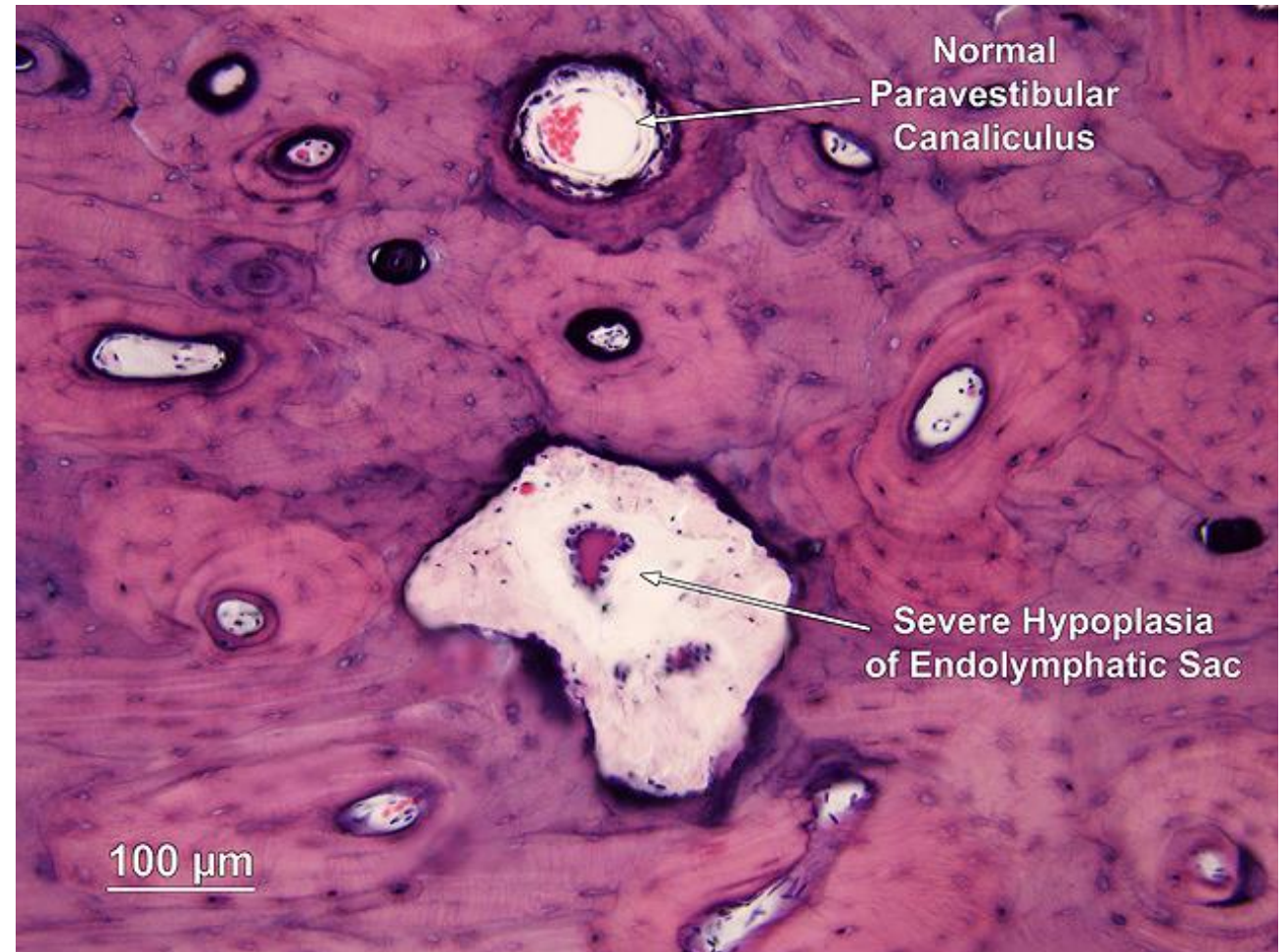
Comments: 98 yr.-old man with Meniere's for 50 years and profound sensorineural hearing loss. Severe hypoplasia of endolymphatic sac and vestibular aqueduct.

Gender: Male

Age (yrs.): 99

Otologic Diagnosis:

1. Meniere's syndrome, left ear
2. Profound sensorineural hearing loss, bilateral



Sacculle and Utricle, L-200

Title: Sacculle and Utricle, L-200

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 958

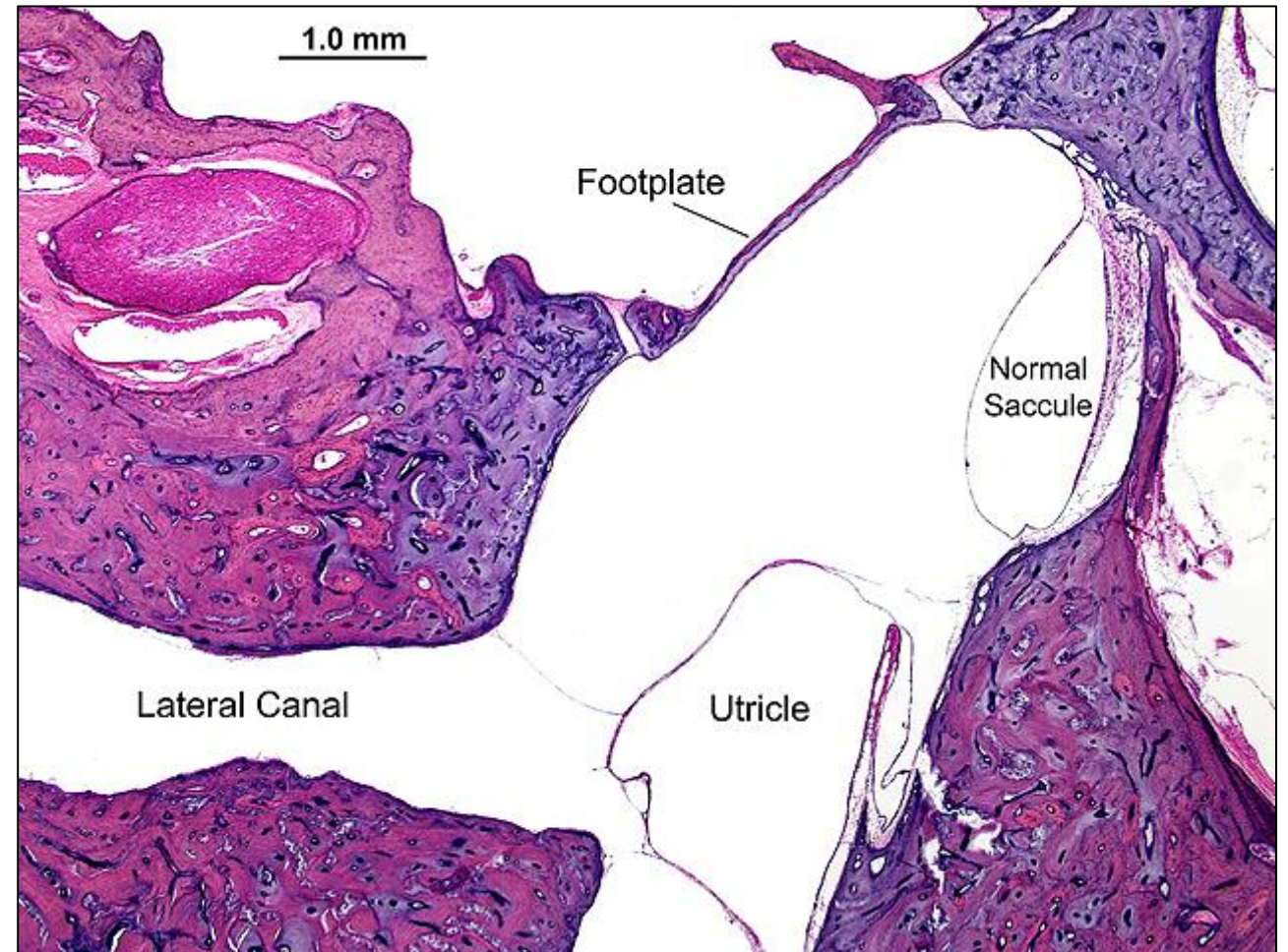
Comments: Normal Sacculle and Utricle

Gender: Male

Age (yrs.): 79

Otologic Diagnosis:

1. Meniere's disease, right
2. Presbycusis, left



Meniere's Syndrome, R-181

Title: Meniere's Syndrome, R-181

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 377

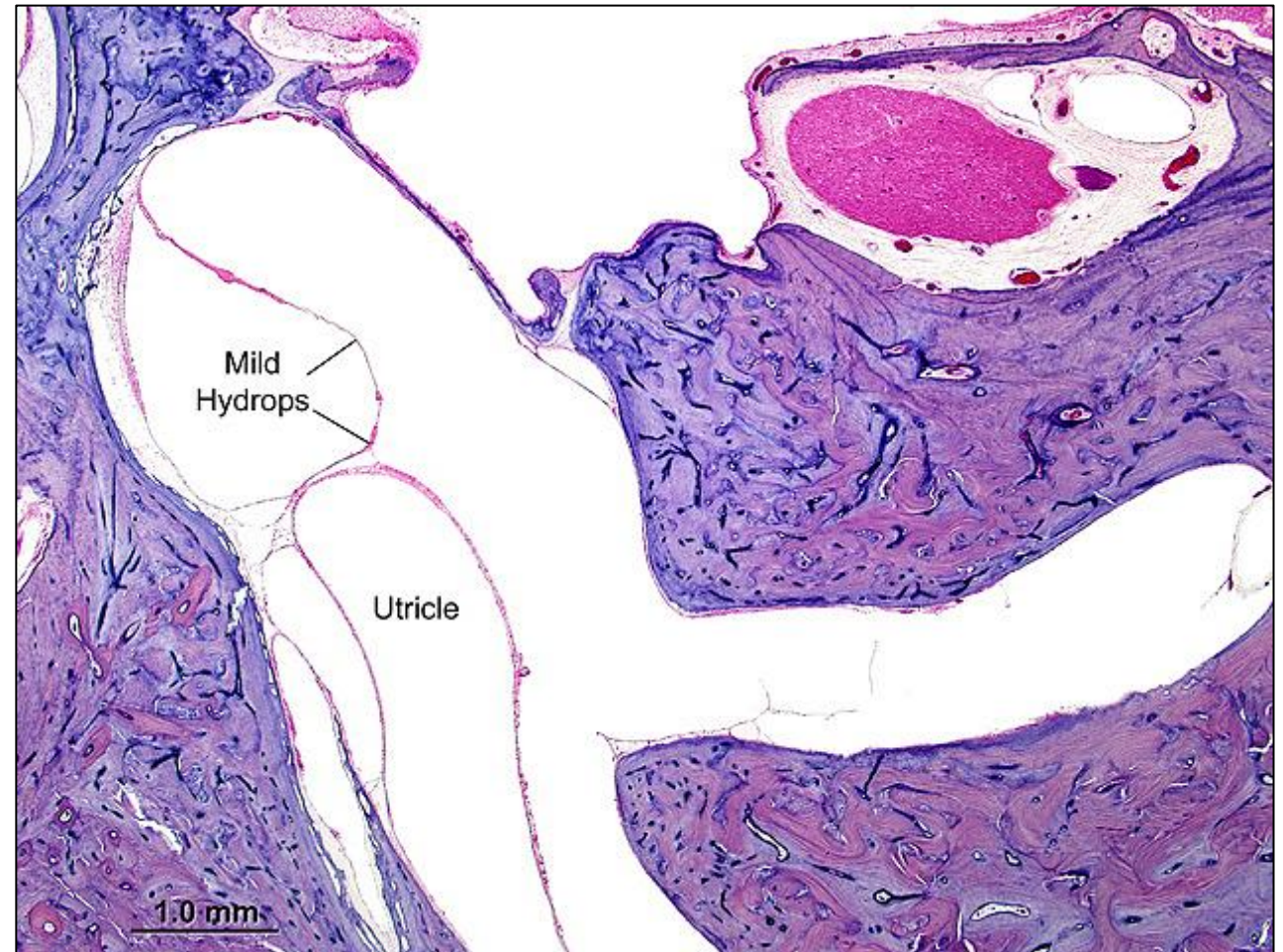
Comments: Mild saccular hydrops

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Meniere's disease (endolymphatic hydrops), right
2. Organ of Corti, atrophy, severe, associated with endolymphatic hydrops, right
3. Otitis media, mild, terminal, bilateral



Meniere's Syndrome, R-230

Title: Meniere's Syndrome, R-230

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 958

Comments: Moderate saccular hydrops

Gender: Male

Age (yrs.): 79

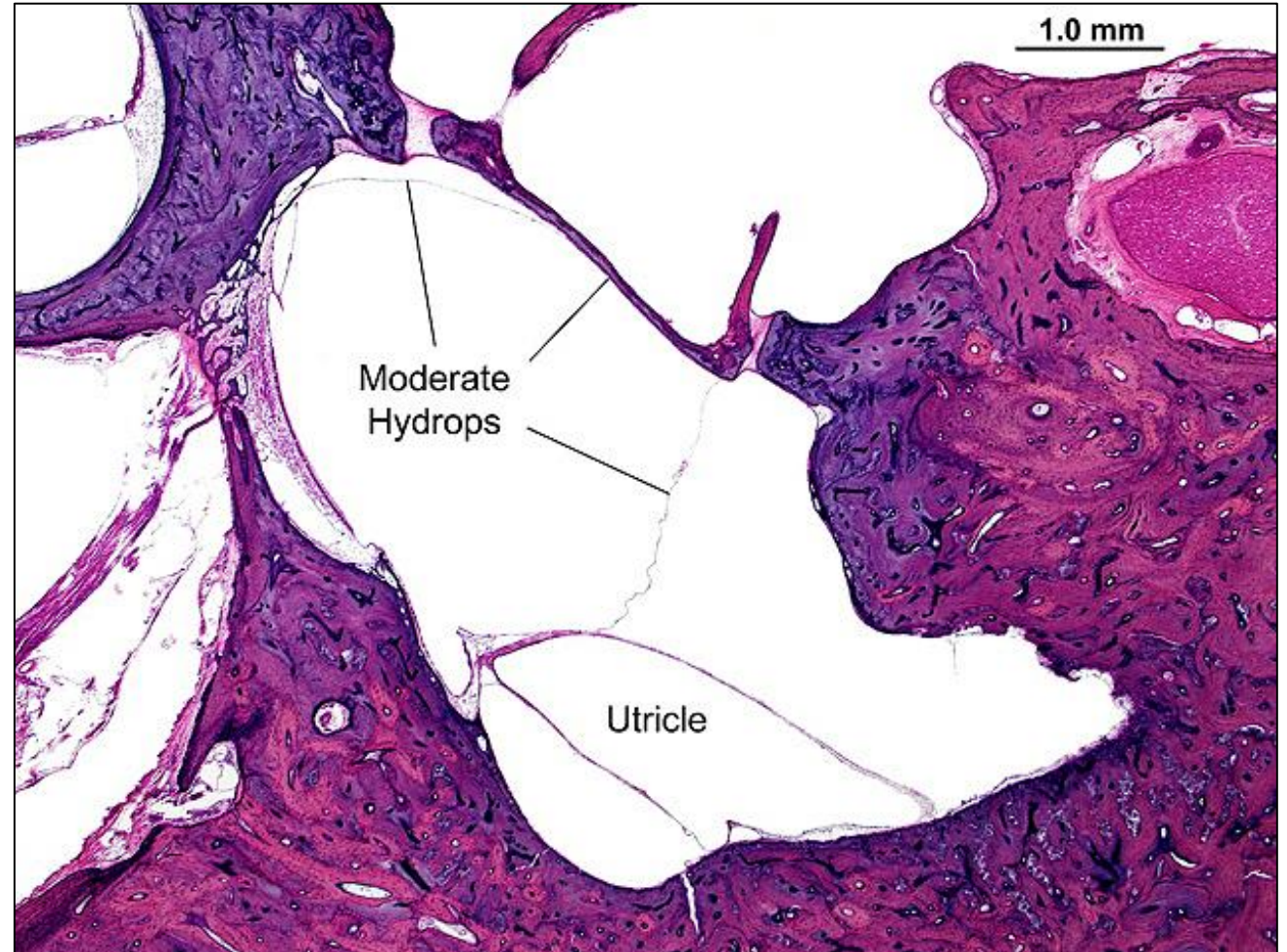
Otologic Diagnosis:

Clinical:

1. Meniere's disease, right
2. Presbycusis, left

Histopathologic:

1. Endolymphatic hydrops, moderate to severe, involving cochlea, saccule, inferior utricular recess, and posterior canal ampulla, right
2. Rupture, premortem, inferior utricular recess, right



Meniere's Syndrome, R-221

Title: Meniere's Syndrome, R-221

Chapter: Meniere's syndrome, hydrops

Chapter Section: Meniere's Syndrome

TB Case Number: 902

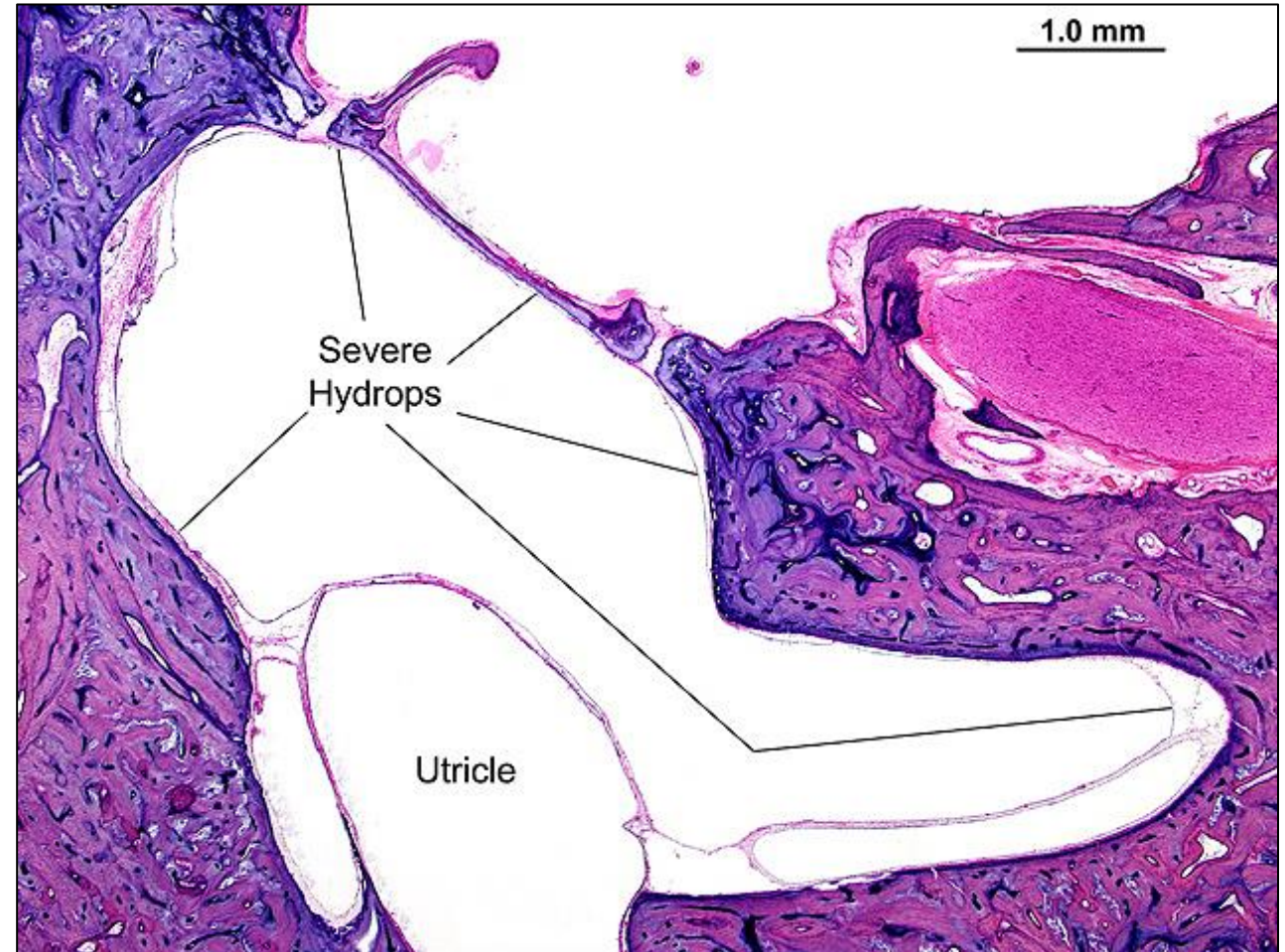
Comments: Severe saccular hydrops

Gender: Male

Age (yrs.): 85

Otologic Diagnosis:

1. Meniere's disease, right
2. Endolymphatic hydrops, diffuse, severe, cochlear and vestibular labyrinths, right
3. Neuronal loss, cochlea, severe, right
4. Neuroepithelial atrophy and disruption, saccule, right
5. Neo-osteogenesis, semicircular canal, posterior, right



Hydrops Without Vertigo, L-211

Title: Hydrops Without Vertigo, L-211

Chapter: Meniere's syndrome, hydrops

Chapter Section: Non-Meniere's Hydrops

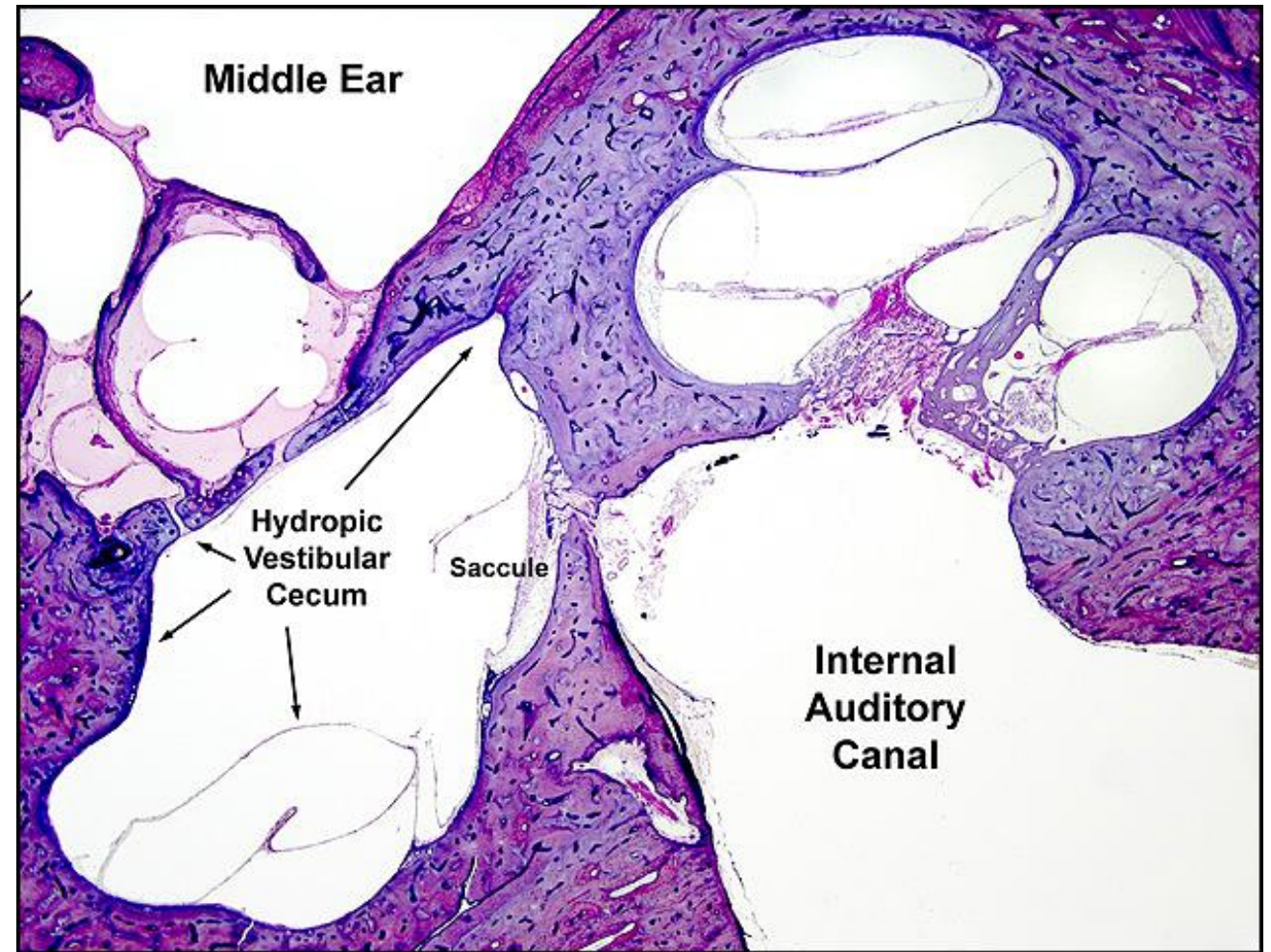
TB Case Number: 887

Gender: Female

Age (yrs.): 88

Otologic Diagnosis:

1. Presbycusis, indeterminate
2. Stria vascularis, atrophy, apical region, bilateral
3. Basilar membrane, thickening, basal end, bilateral
4. Endolymphatic hydrops, cochlea, moderately severe, left
5. Myringotomy, remote, bilateral
6. Vestibulopathy, degenerative saccule, right



Hydrops Without Vertigo, L-71

Title: Hydrops Without Vertigo, L-71

Chapter: Meniere's syndrome, hydrops

Chapter Section: Non-Meniere's Hydrops

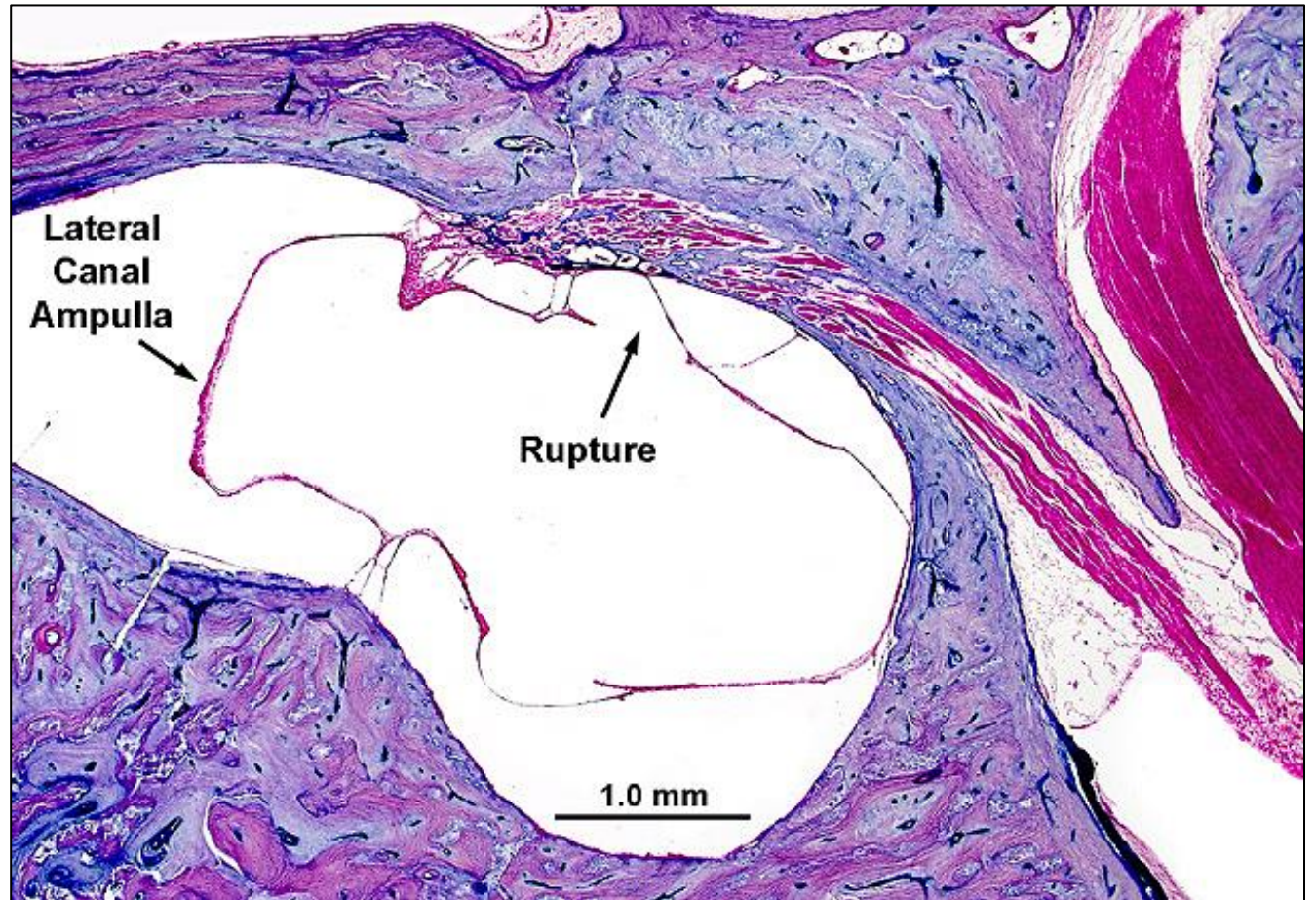
TB Case Number: 40

Gender: Male

Age (yrs.): 79

Otologic Diagnosis:

1. Presbycusis, inner ear conductive, bilateral
2. Endolymphatic hydrops (Meniere's disease), left
3. Blockage of the endolymphatic duct, causing endolymphatic hydrops, left
4. Exostoses, external auditory canal, right (asymmetrical)



Hydrops Without Vertigo, L-230A

Title: Hydrops Without Vertigo, L-230A

Chapter: Meniere's syndrome, hydrops

Chapter Section: Non-Meniere's Hydrops

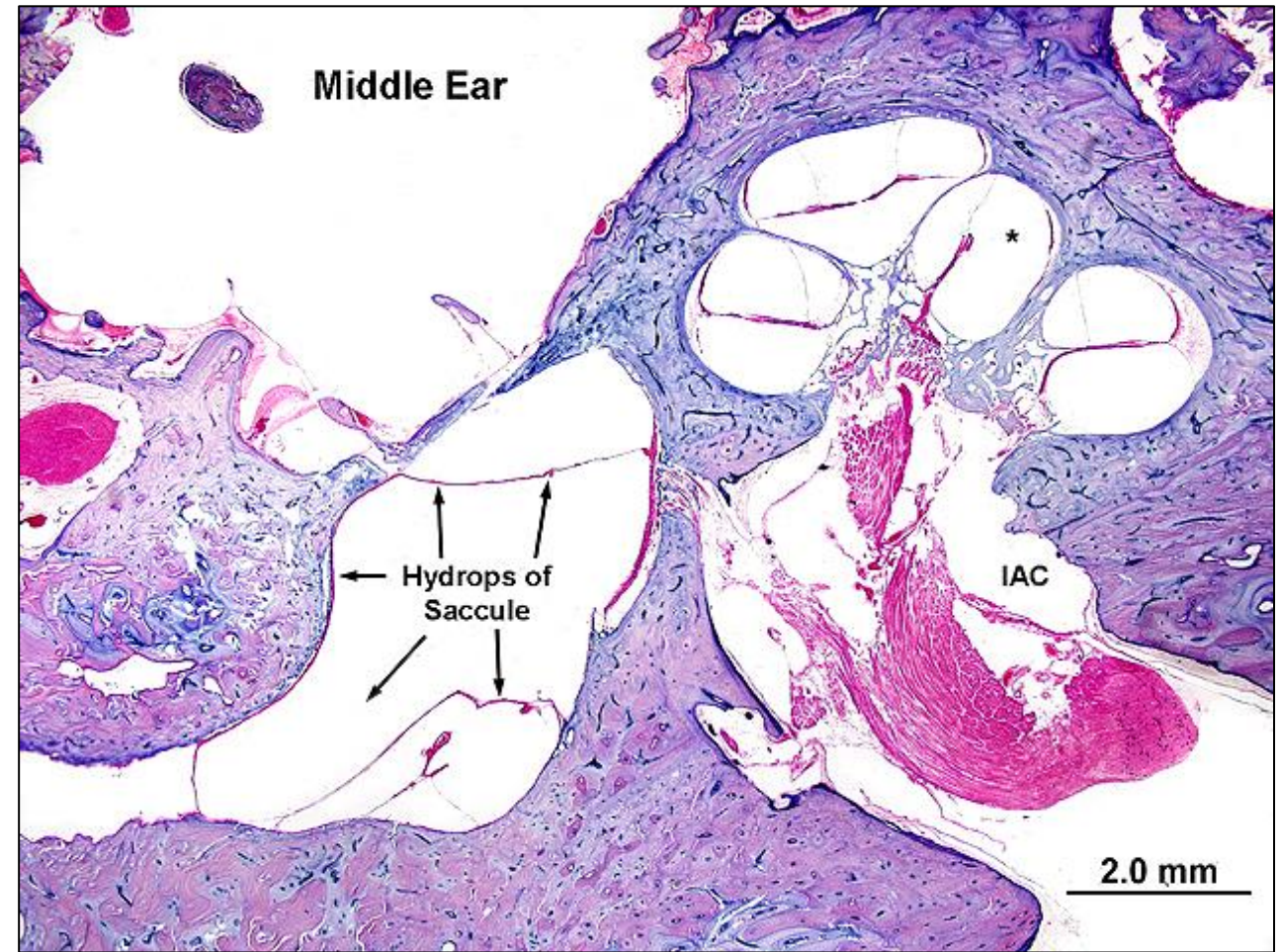
TB Case Number: 40

Gender: Male

Age (yrs.): 79

Otologic Diagnosis:

1. Presbycusis, inner ear conductive, bilateral
2. Endolymphatic hydrops (Meniere's disease), left
3. Blockage of the endolymphatic duct, causing endolymphatic hydrops, left
4. Exostoses, external auditory canal, right (asymmetrical)



Fluctuant SNHL Without Vertigo, R-195

Title: Fluctuant SNHL Without Vertigo, R-195

Chapter: Meniere's syndrome, hydrops

Chapter Section: Fluctuant Sensorineural Hearing Loss without Vertigo

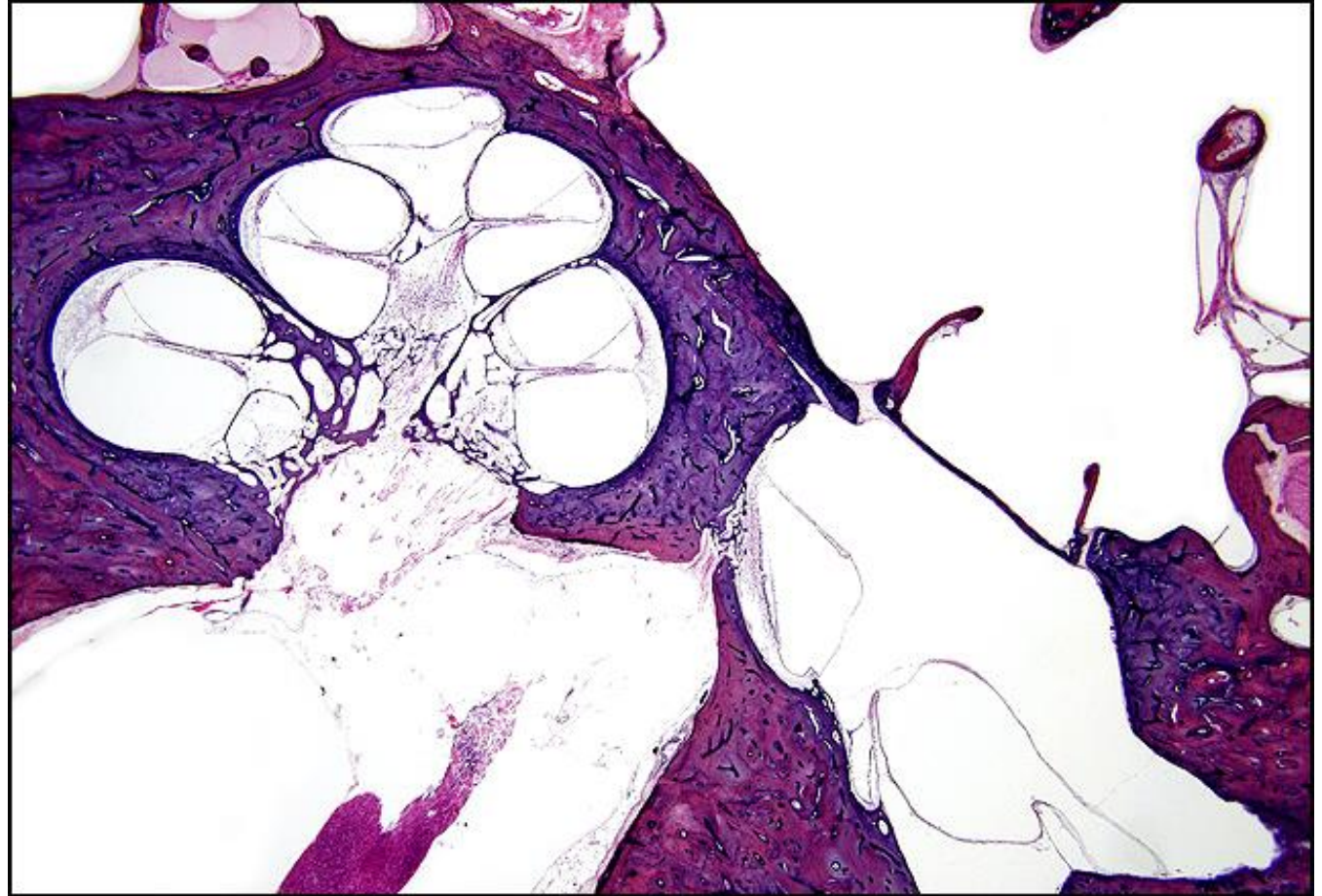
TB Case Number: 951

Gender: Male

Age (yrs.): 93

Otologic Diagnosis:

1. Sensorineural hearing loss, fluctuant and progressive, without vertigo, bilateral, etiology indeterminate
2. Outer hair cell loss, diffuse, bilateral
3. Inner hair cell loss, outer basal turn, bilateral
4. Spiral ganglion cell loss, moderate to severe, bilateral



Fluctuant SNHL Without Vertigo, L-190

Title: Fluctuant SNHL Without Vertigo, L-190

Chapter: Meniere's syndrome, hydrops

Chapter Section: Fluctuant Sensorineural Hearing Loss without Vertigo

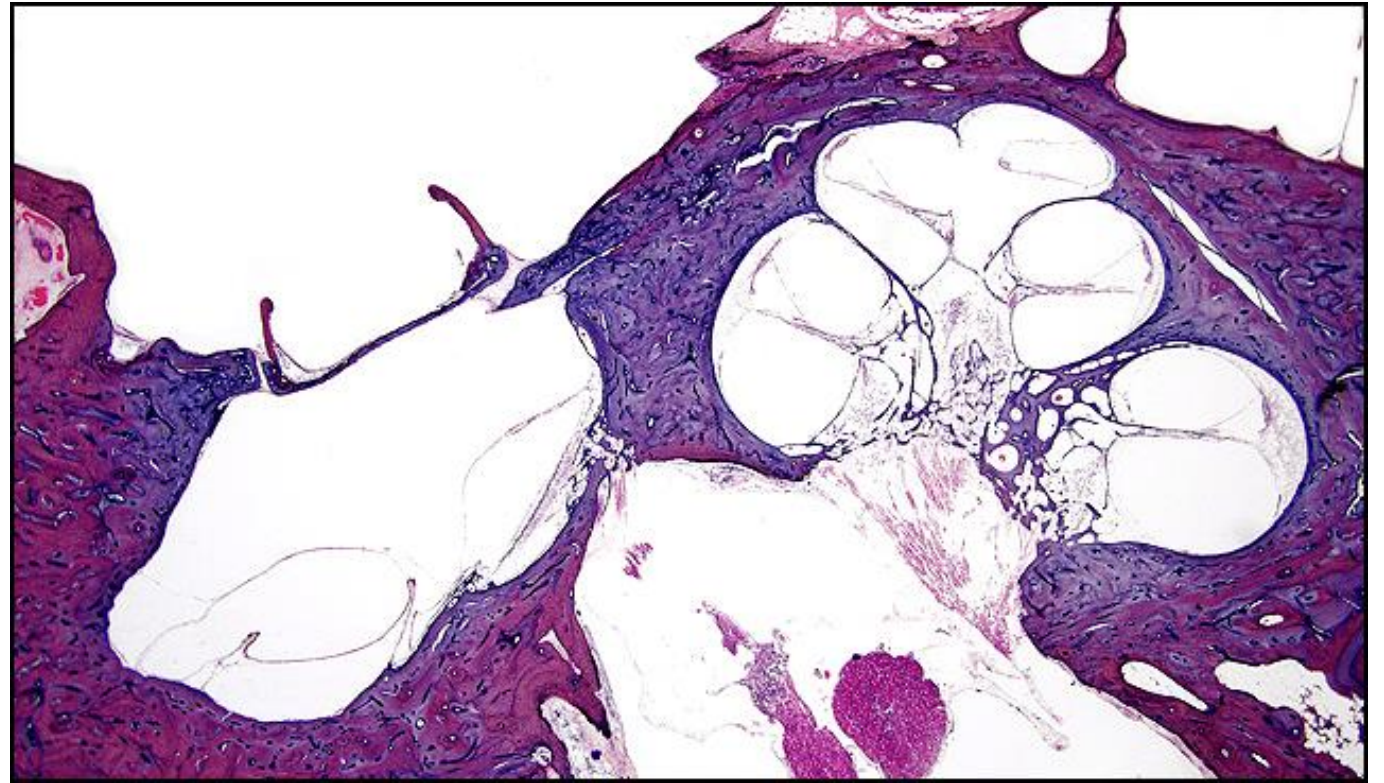
TB Case Number: 951

Gender: Male

Age (yrs.): 93

Otologic Diagnosis:

1. Sensorineural hearing loss, fluctuant and progressive, without vertigo, bilateral, etiology indeterminate
2. Outer hair cell loss, diffuse, bilateral
3. Inner hair cell loss, outer basal turn, bilateral
4. Spiral ganglion cell loss, moderate to severe, bilateral



Fluctuant SNHL Without Vertigo, L-312

Title: Fluctuant SNHL Without Vertigo, L-312

Chapter: Meniere's syndrome, hydrops

Chapter Section: Fluctuant Sensorineural Hearing Loss without Vertigo

TB Case Number: 951

Gender: Male

Age (yrs.): 93

Otologic Diagnosis:

1. Sensorineural hearing loss, fluctuant and progressive, without vertigo, bilateral, etiology indeterminate
2. Outer hair cell loss, diffuse, bilateral
3. Inner hair cell loss, outer basal turn, bilateral
4. Spiral ganglion cell loss, moderate to severe, bilateral



Fluctuant SNHL Without Vertigo, R-331

Title: Fluctuant SNHL Without Vertigo, R-331

Chapter: Meniere's syndrome, hydrops

Chapter Section: Fluctuant Sensorineural Hearing Loss without Vertigo

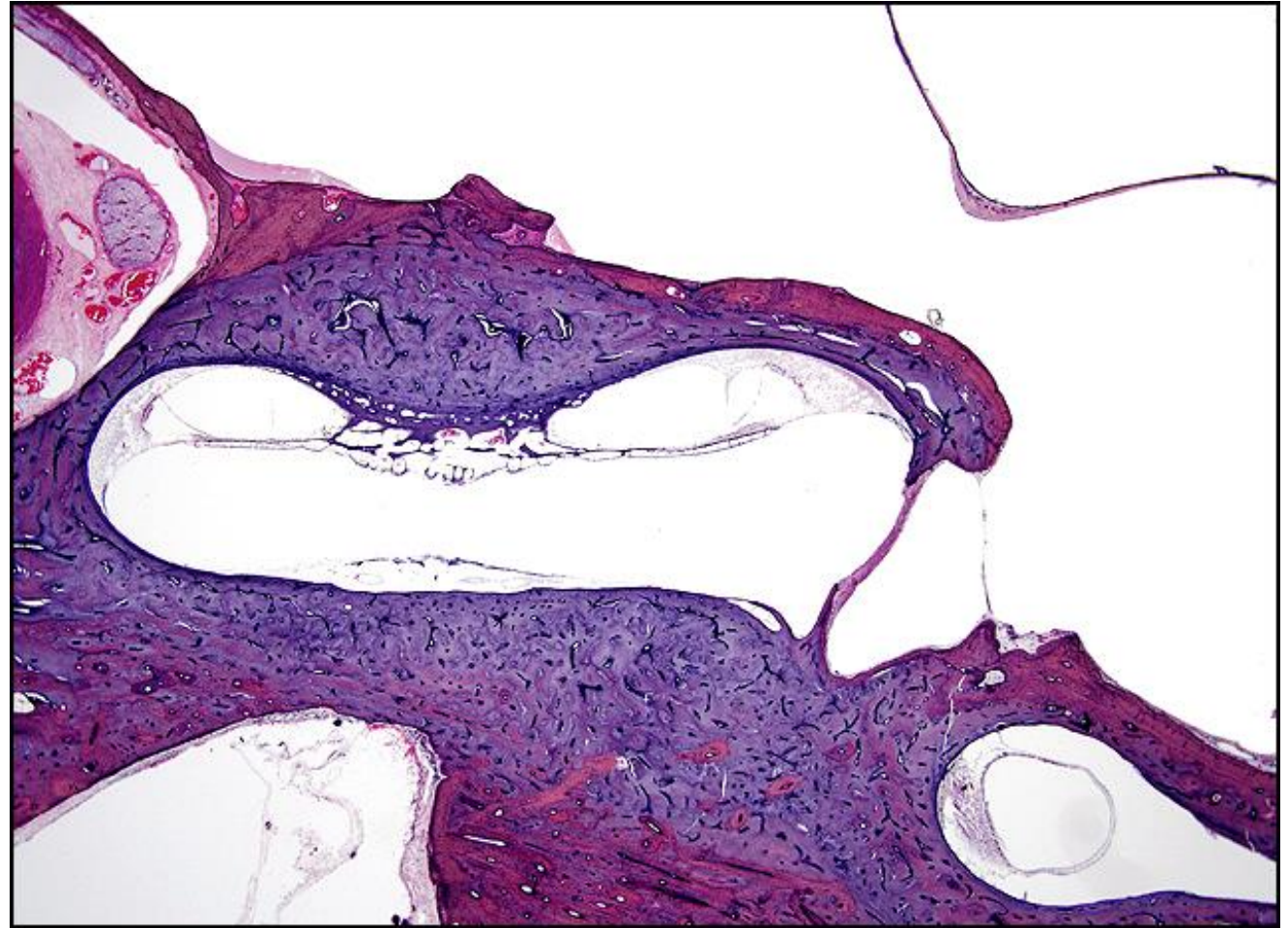
TB Case Number: 951

Gender: Male

Age (yrs.): 93

Otologic Diagnosis:

1. Sensorineural hearing loss, fluctuant and progressive, without vertigo, bilateral, etiology indeterminate
2. Outer hair cell loss, diffuse, bilateral
3. Inner hair cell loss, outer basal turn, bilateral
4. Spiral ganglion cell loss, moderate to severe,





Mass General Brigham

Mass Eye and Ear