

# Temporal Bone Image Library

## Chapter: Neoplasms

Otopathology Laboratory



HARVARD MEDICAL SCHOOL  
TEACHING HOSPITAL

# Endolymphatic Sac Tumor, L-221

**Title:** Endolymphatic Sac Tumor, L-221

**Chapter:** Neoplasms

**Chapter Section:** Adenomas Adeno Carcinoma

**TB Case Number:** 910

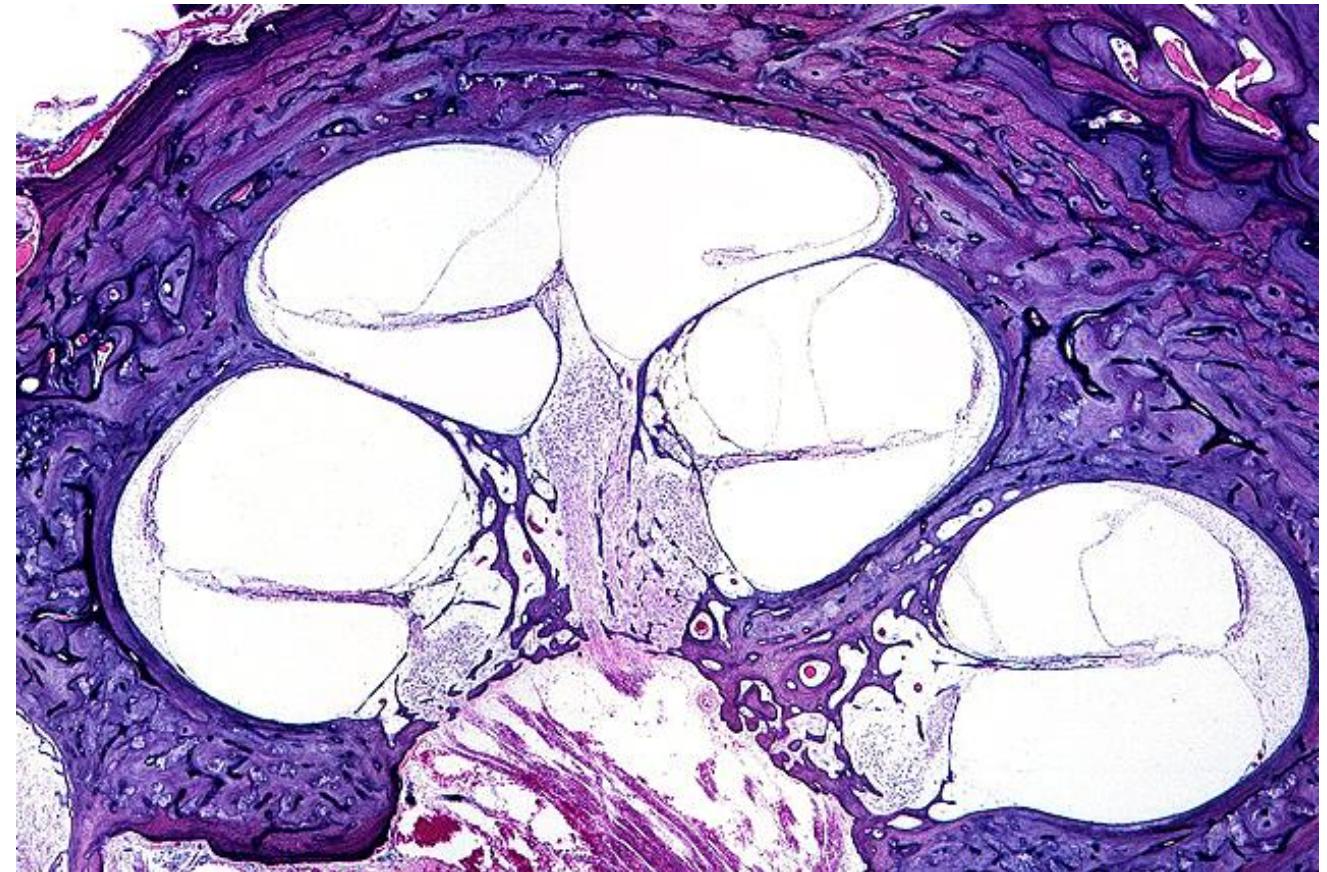
**Comments:** endolymphatic sac tumor

**Gender:** Male

**Age (yrs.):** 41

**Otologic Diagnosis:**

1. Endolymphatic sac tumor (papillary cystadenoma), bilateral
2. Endolymphatic hydrops, cochlear and vestibular labyrinths, bilateral
3. Endolymphatic space , inflammation with cholesterol, right
4. Mastoidectomy, canal-wall up (sac decompression), bilateral



# Endolymphatic Sac Tumor, L-290

**Title:** Endolymphatic Sac Tumor, L-290

**Chapter:** Neoplasms

**Chapter Section:** Adenomas Adeno Carcinoma

**TB Case Number:** 910

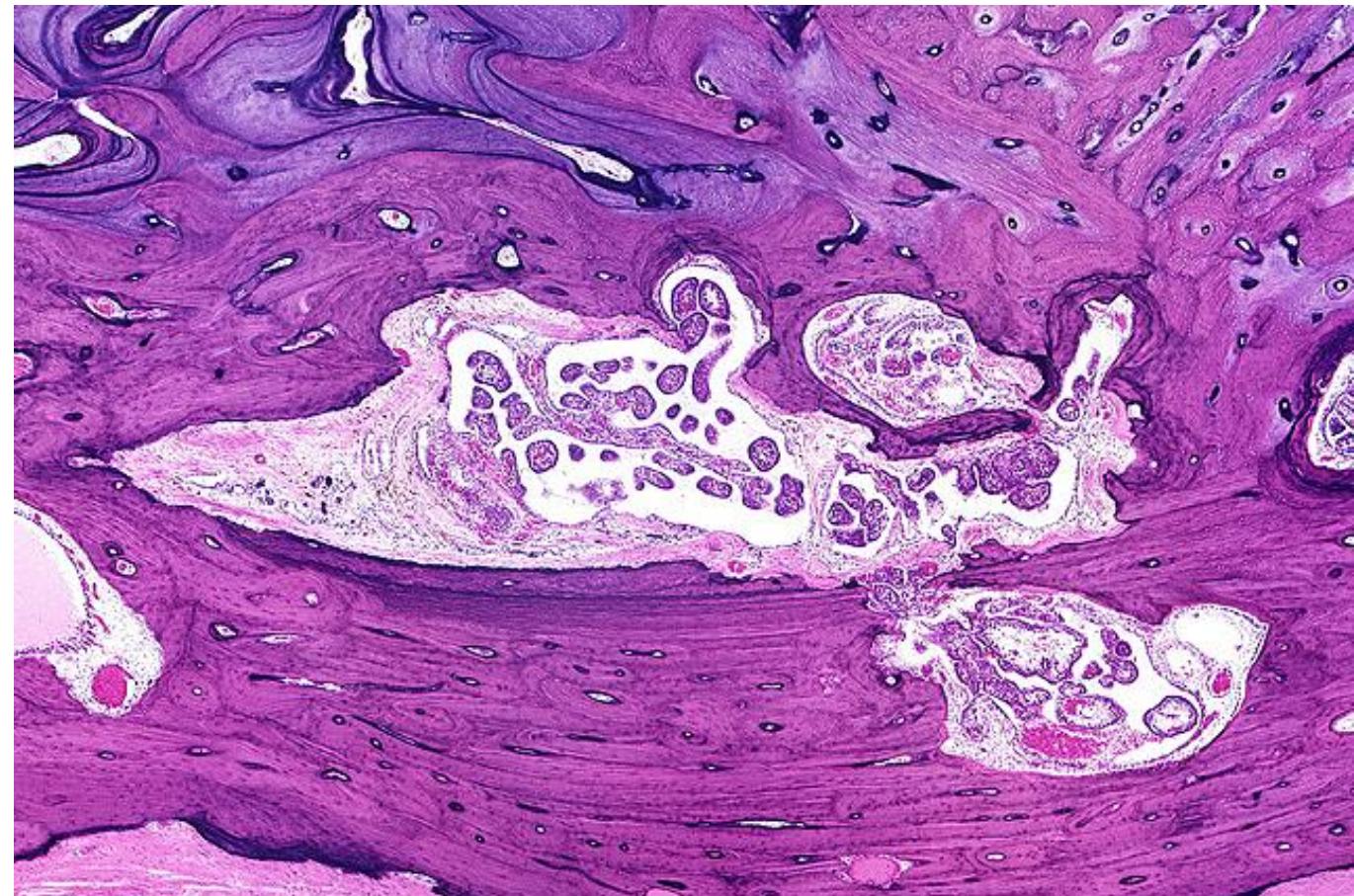
**Comments:** endolymphatic sac tumor

**Gender:** Male

**Age (yrs.):** 41

**Otologic Diagnosis:**

1. Endolymphatic sac tumor (papillary cystadenoma), bilateral
2. Endolymphatic hydrops, cochlear and vestibular labyrinths, bilateral
3. Endolymphatic space , inflammation with cholesterol, right
4. Mastoidectomy, canal-wall up (sac decompression), bilateral



# Neoplasms

**Title:** Neoplasms

**Chapter:** Neoplasms

**Chapter Section:** Schwannoma

**TB Case Number:** 957

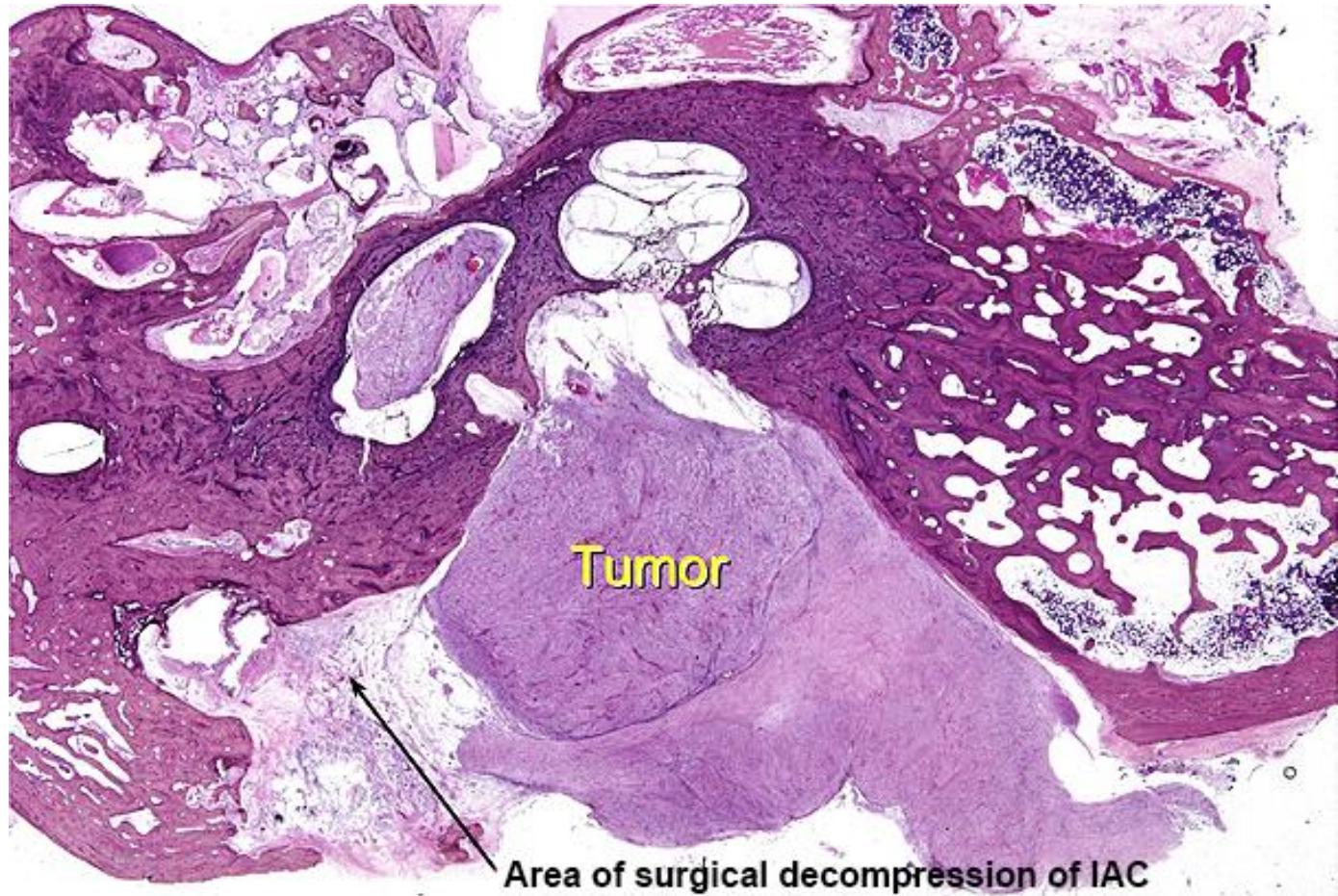
**Gender:** Male

**Age (yrs.):** 70

**Otologic Diagnosis:**

Schwannoma, cochleovestibular, clinical, bilateral  
(neurofibromatosis type 2)

- a) Schwannoma, predominantly intralabyrinthine, involving all vestibular sense organs and basal turn of cochlea, right
- b) Incision biopsy, schwannoma, cochleostomy approach, right



# Neoplasms

**Title:** Neoplasms

**Chapter:** Neoplasms

**Chapter Section:** Schwannoma

**TB Case Number:** 957

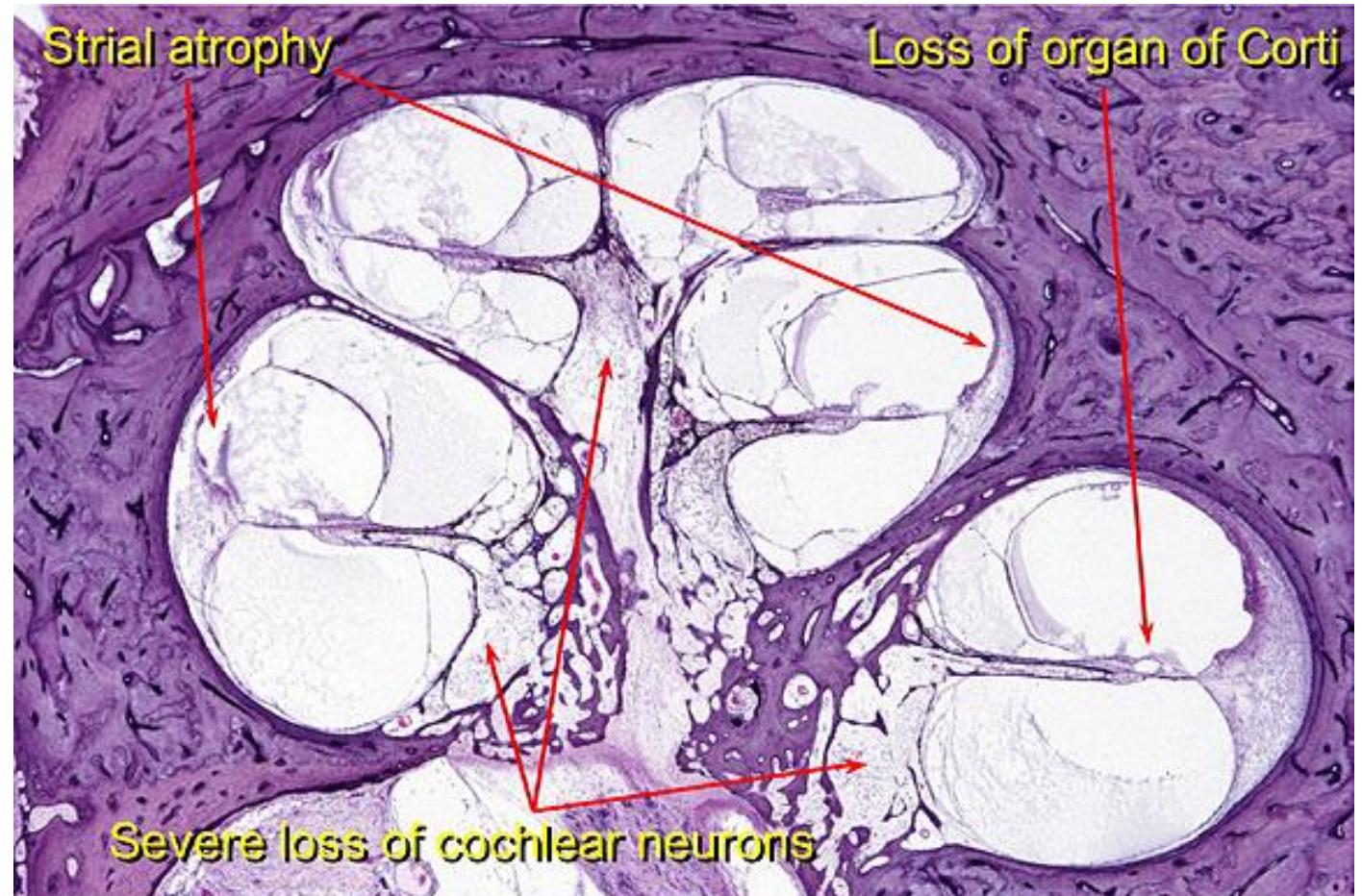
**Gender:** Male

**Age (yrs.):** 70

**Otologic Diagnosis:**

Schwannoma, cochleovestibular, clinical, bilateral  
(neurofibromatosis type 2)

- a) Schwannoma, predominantly intralabyrinthine, involving all vestibular sense organs and basal turn of cochlea, right
- b) Incision biopsy, schwannoma, cochleostomy approach, right



# Schwannoma, L-191

**Title:** Schwannoma, L-191

**Chapter:** Neoplasms

**Chapter Section:** Schwannoma

**TB Case Number:** 1024

**Comments:** 94 yr.-old female with bilateral sensorineural hearing loss, worse on the left. The left inner ear shows two small schwannomas, one entirely intracochlear in the scala tympani of the middle turn and the other within the inferior division of the vestibular

**Gender:** Female

**Age (yrs.):** 95

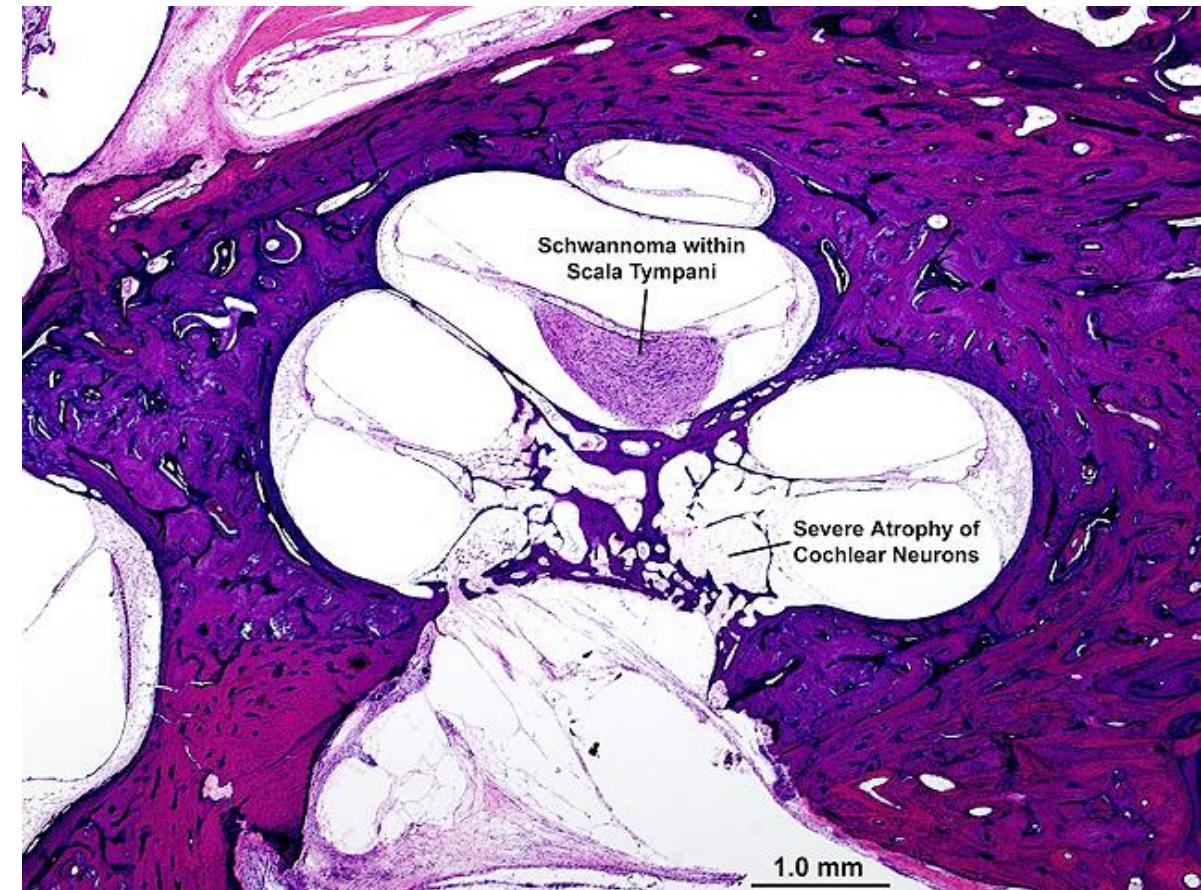
**Otologic Diagnosis:**

**Clinical:**

Adult onset, progressive, bilateral sensorineural hearing loss, probably genetic in etiology

**Histopathologic:**

Stria vascularis atrophy, near total, affecting entire cochlear duct, bilateral, probably genetically determined



# Schwannoma, L-191

**Title:** Schwannoma, L-191

**Chapter:** Neoplasms

**Chapter Section:** Schwannoma

**TB Case Number:** 1024

**Comments:** 94 yr old female with bilateral sensorineural hearing loss, worse on the left. The left inner ear shows two small schwannomas, one entirely intracochlear in the scala tympani of the middle turn and the other within the inferior division of the vestibular

**Gender:** Female

**Age (yrs.):** 95

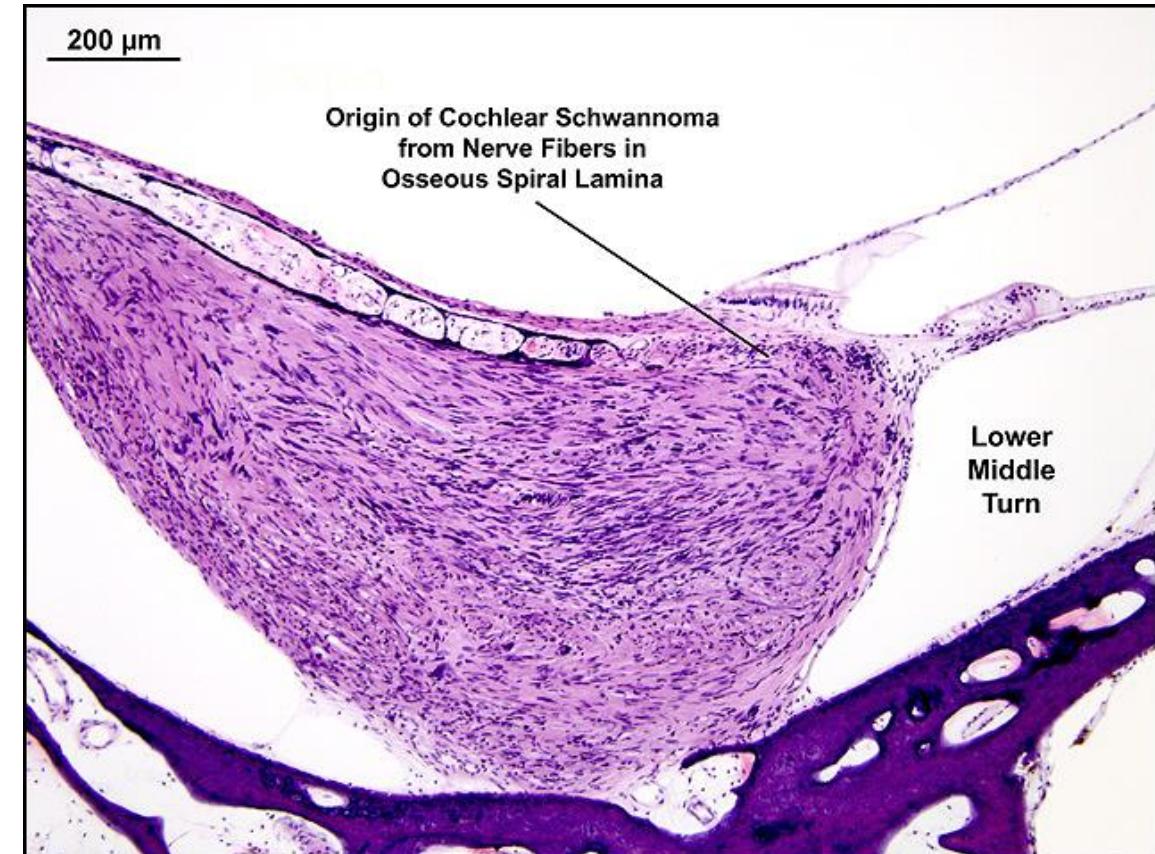
**Otologic Diagnosis:**

**Clinical:**

Adult onset, progressive, bilateral sensorineural hearing loss, probably genetic in etiology

**Histopathologic:**

Stria vascularis atrophy, near total, affecting entire cochlear duct, bilateral, probably genetically determined



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**Title:** Schwannoma, L-191

**Chapter:** Neoplasms

**Chapter Section:** Schwannoma

**TB Case Number:** 1024

**Comments:** 94 yr old female with bilateral sensorineural hearing loss, worse on the left. The left inner ear shows two small schwannomas, one entirely intracochlear in the scala tympani of the middle turn and the other within the inferior division of the vestibular

**Gender:** Female

**Age (yrs.):** 95

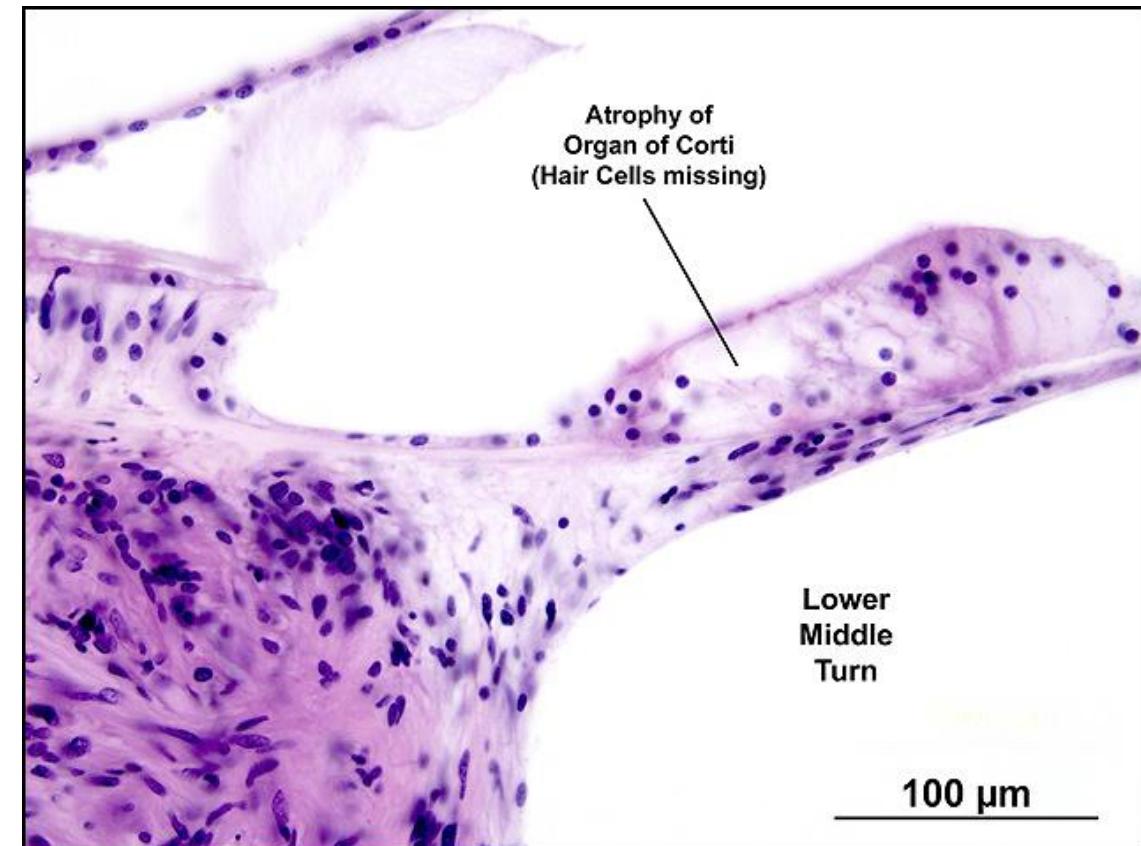
**Otologic Diagnosis:**

**Clinical:**

Adult onset, progressive, bilateral sensorineural hearing loss, probably genetic in etiology

**Histopathologic:**

Stria vascularis atrophy, near total, affecting entire cochlear duct, bilateral, probably genetically determined



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**Chapter:** Neoplasms

**Chapter Section:** Schwannoma

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**Comments:** 94 yr old female with bilateral sensorineural hearing loss, worse on the left. The left inner ear shows two small schwannomas, one entirely intracochlear in the scala tympani of the middle turn and the other within the inferior division of the vestibular

**Gender:** Female

**Age (yrs.):** 95

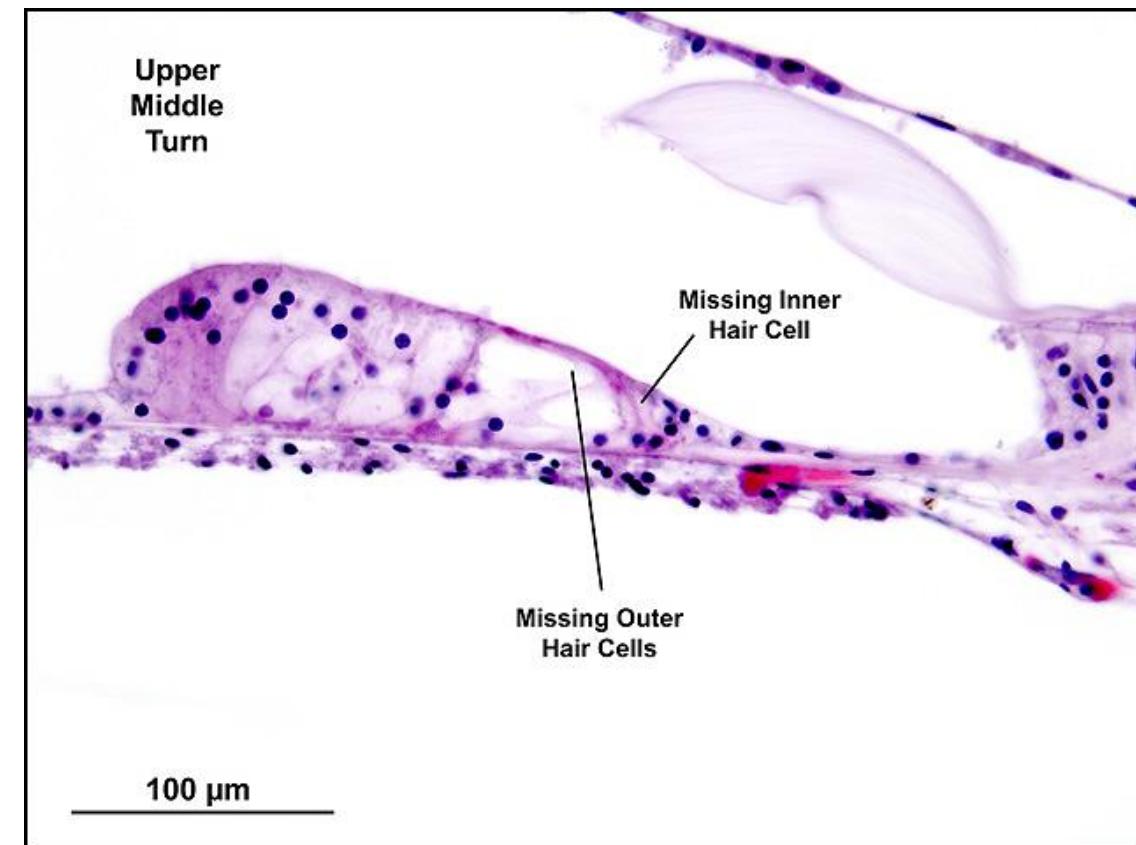
**Otologic Diagnosis:**

**Clinical:**

Adult onset, progressive, bilateral sensorineural hearing loss, probably genetic in etiology

**Histopathologic:**

Stria vascularis atrophy, near total, affecting entire cochlear duct, bilateral, probably genetically determined



# Schwannoma, L-291

**Title:** Schwannoma, L-291

**Chapter:** Neoplasms

**Chapter Section:** Schwannoma

**TB Case Number:** 1024

**Comments:** 94 yr.-old female with bilateral sensorineural hearing loss, worse on the left. The left inner ear shows two small schwannomas, one entirely intracochlear in the scala tympani of the middle turn and the other within the inferior division of the vestibular

**Gender:** Female

**Age (yrs.):** 95

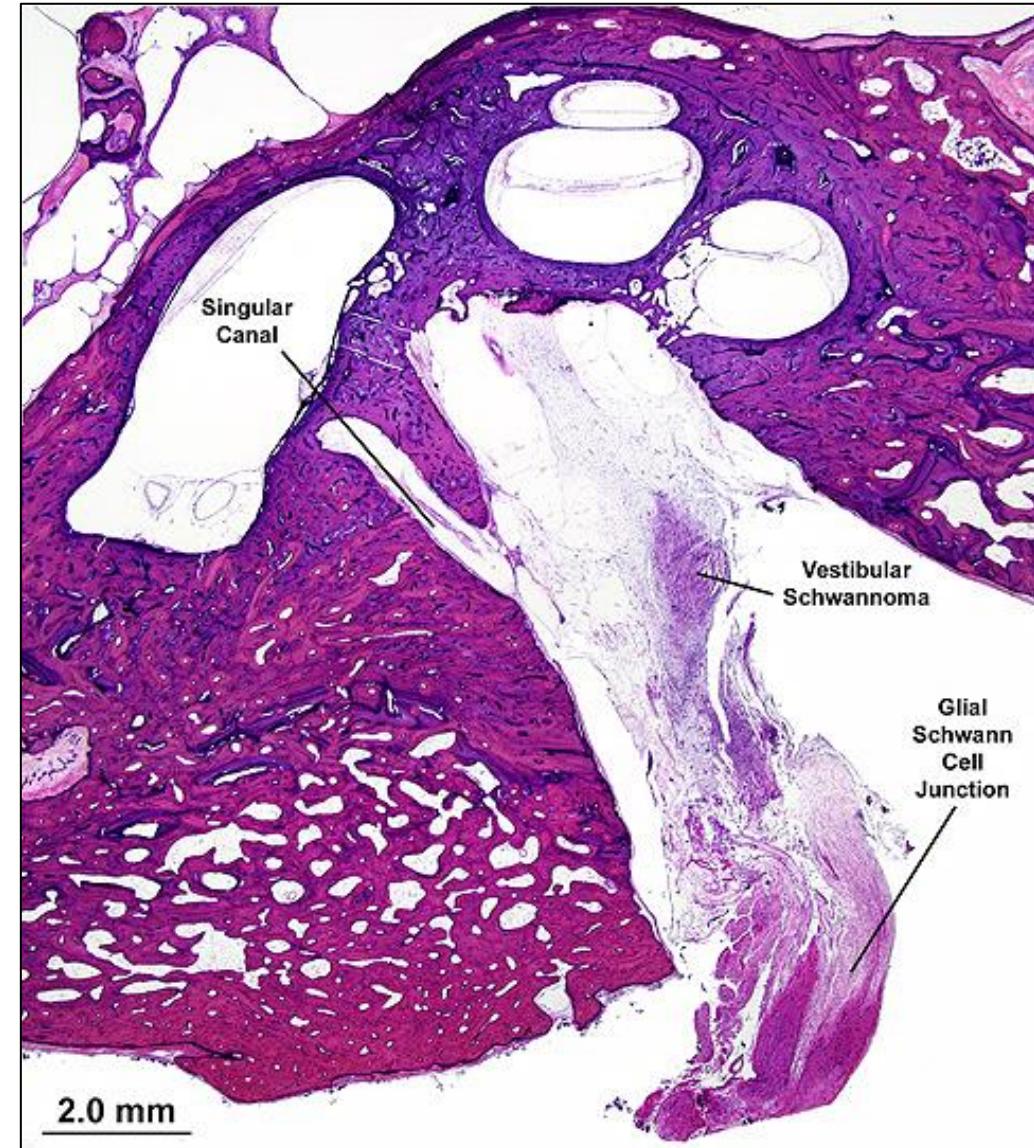
**Otologic Diagnosis:**

**Clinical:**

Adult onset, progressive, bilateral sensorineural hearing loss, probably genetic in etiology

**Histopathologic:**

Stria vascularis atrophy, near total, affecting entire cochlear duct, bilateral, probably genetically determined



# Schwannoma, L-291

**Title:** Schwannoma, L-291

**Chapter:** Neoplasms

**Chapter Section:** Schwannoma

**TB Case Number:** 1024

**Comments:** 94 yr.-old female with bilateral sensorineural hearing loss, worse on the left. The left inner ear shows two small schwannomas, one entirely intracochlear in the scala tympani of the middle turn and the other within the inferior division of the vestibular

**Gender:** Female

**Age (yrs.):** 95

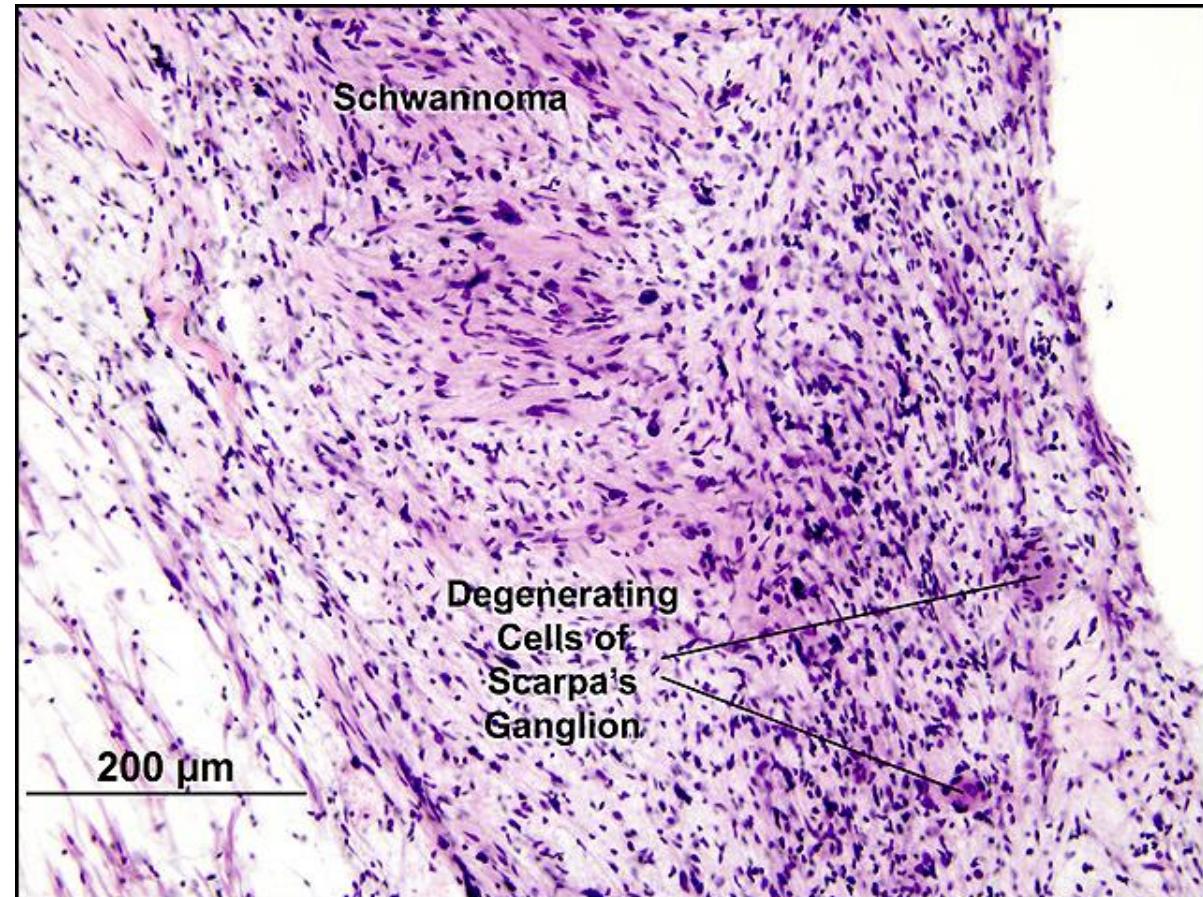
**Otologic Diagnosis:**

**Clinical:**

Adult onset, progressive, bilateral sensorineural hearing loss, probably genetic in etiology

**Histopathologic:**

Stria vascularis atrophy, near total, affecting entire cochlear duct, bilateral, probably genetically determined



# Epidermoid Carcinoma, R-340

**Title:** Epidermoid Carcinoma, R-340

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma,  
Primary Neoplasms

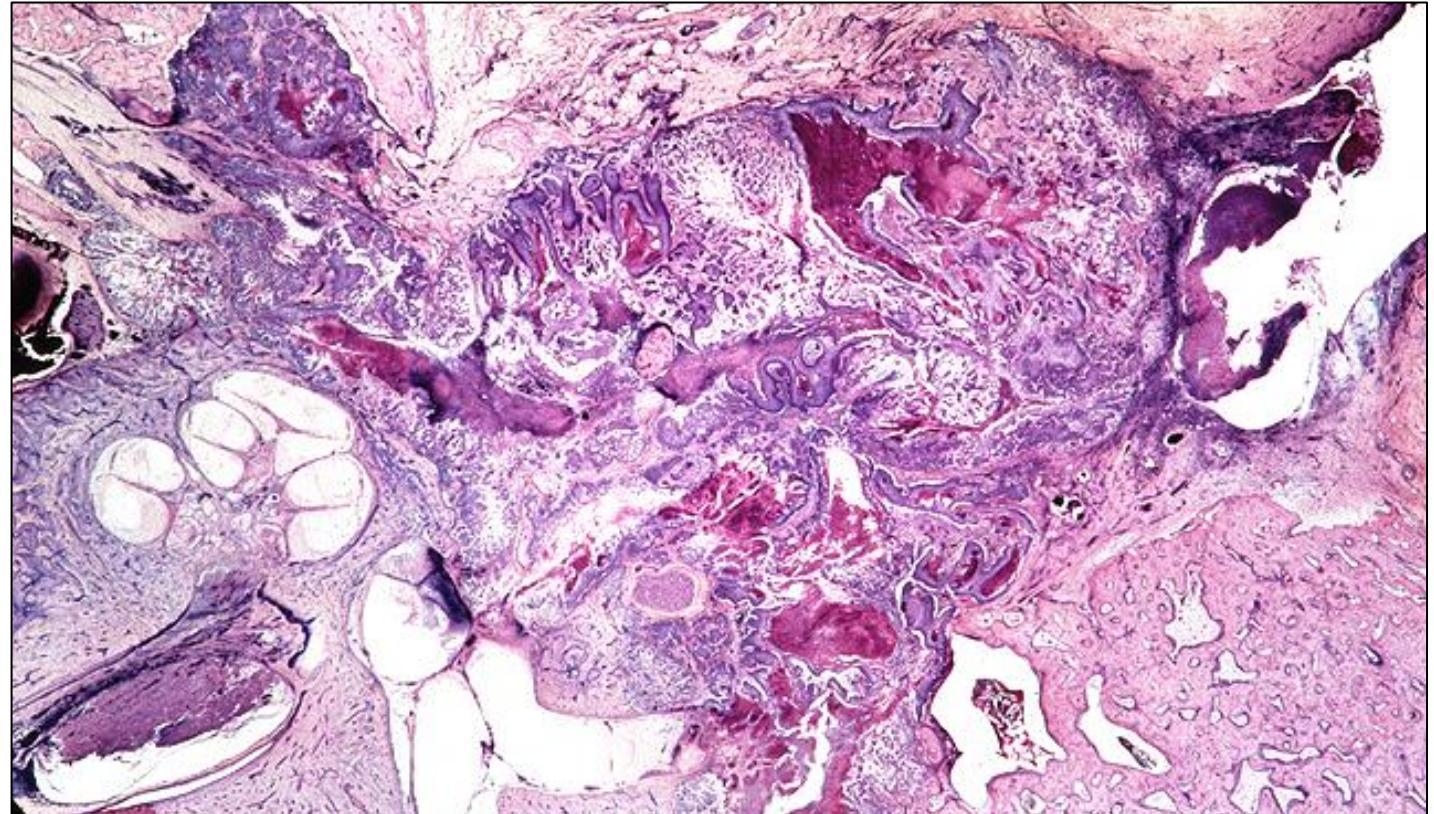
**TB Case Number:** 27

**Gender:** Male

**Age (yrs.):** 60

**Otologic Diagnosis:**

1. Squamous cell carcinoma or the external auditory canal invading: (a) Middle ear  
(b) Mastoid (c) Labyrinth
2. Otitis Media and mastoiditis, suppurative
3. Labyrinthitis, suppurative
4. Meningitis, suppurative



# Epidermoid Carcinoma, R-340

**Title:** Epidermoid Carcinoma, R-340

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary  
Neoplasms

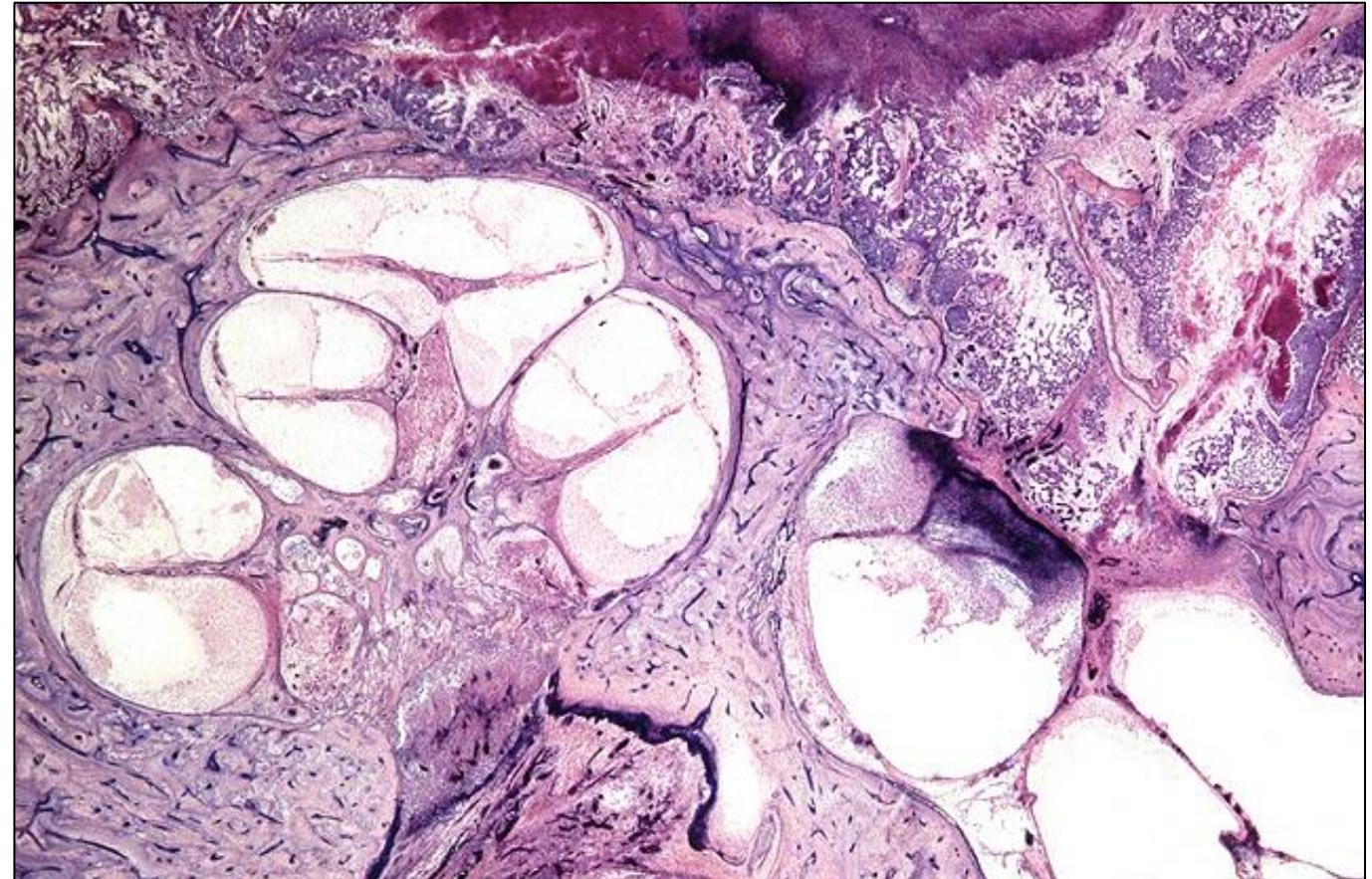
**TB Case Number:** 27

**Gender:** Male

**Age (yrs.):** 60

**Otologic Diagnosis:**

1. Squamous cell carcinoma or the external auditory canal invading: (a) Middle ear  
(b) Mastoid (c) Labyrinth
2. Otitis Media and mastoiditis, suppurative
3. Labrynthitis, suppurative
4. Meningitis, suppurative



# Epidermoid Carcinoma, R-290

**Title:** Epidermoid Carcinoma, R-290

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary Neoplasms

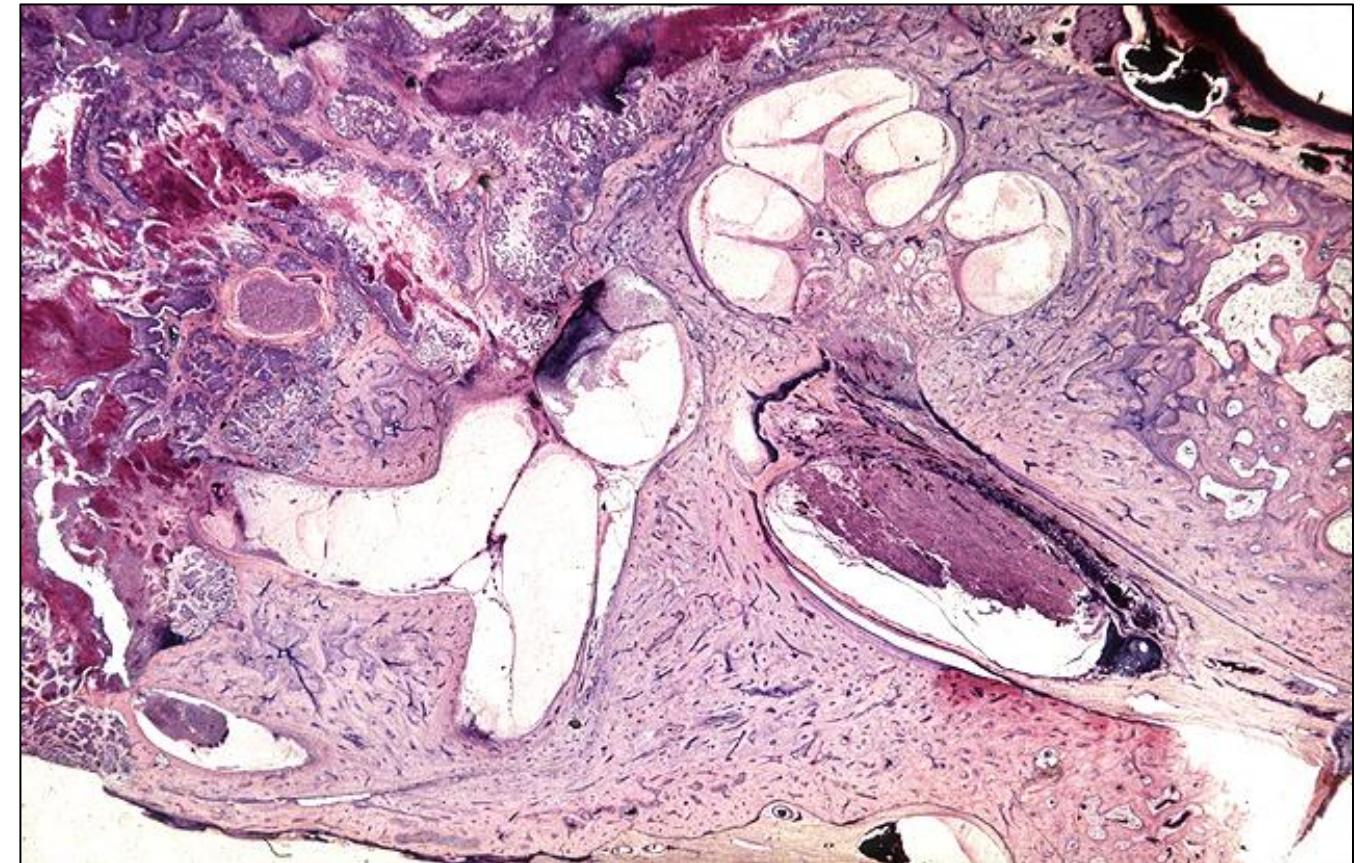
**TB Case Number:** 27

**Gender:** Male

**Age (yrs.):** 60

**Otologic Diagnosis:**

1. Squamous cell carcinoma or the external auditory canal invading: (a) Middle ear  
(b) Mastoid (c) Labyrinth
2. Otitis Media and mastoiditis, suppurative
3. Labyrinthitis, suppurative
4. Meningitis, suppurative



# Epidermoid Carcinoma, R-270

**Title:** Epidermoid Carcinoma, R-270

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary  
Neoplasms

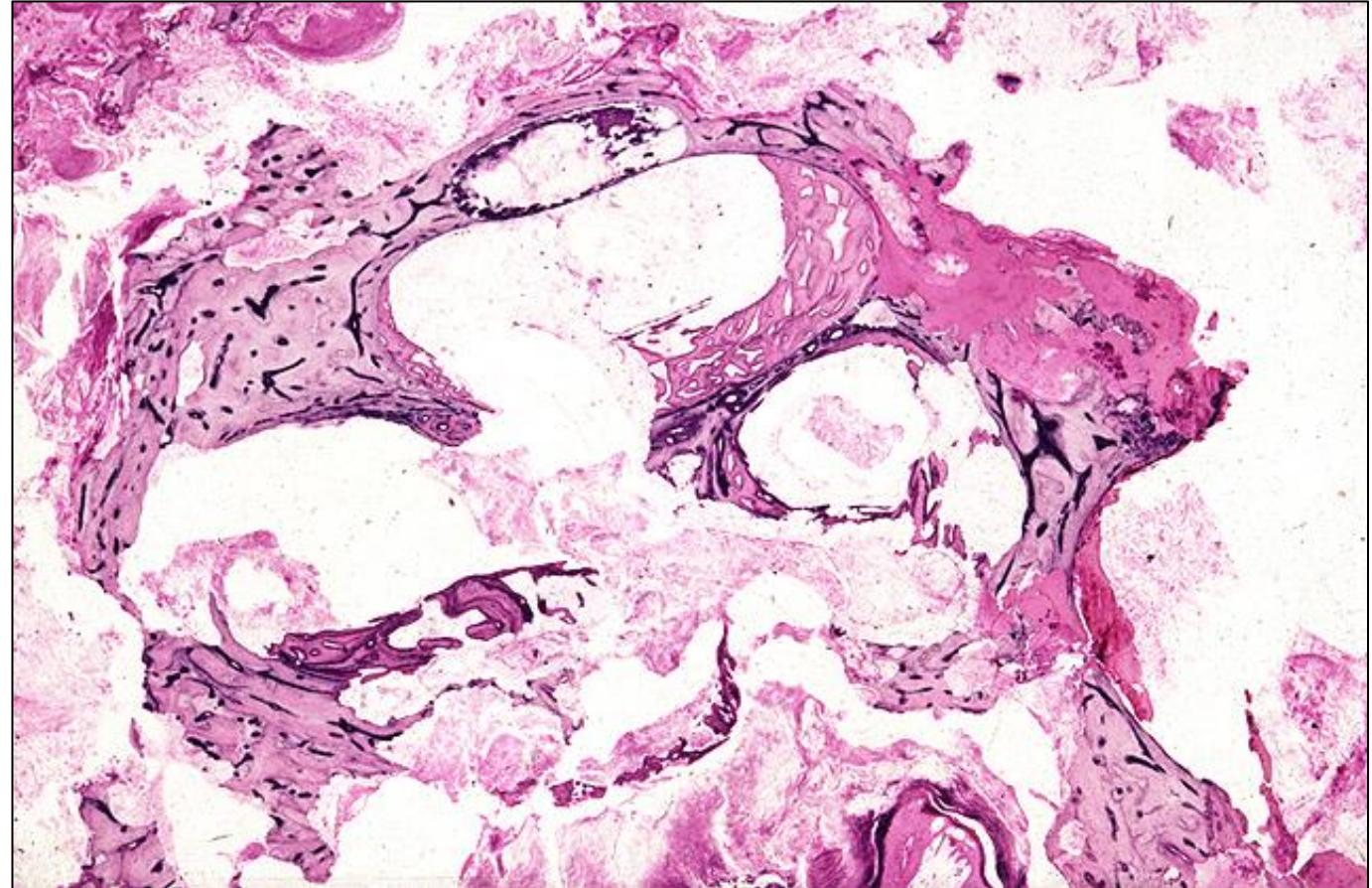
**TB Case Number:** 745

**Gender:** Female

**Age (yrs.):** 57

**Otologic Diagnosis:**

1. Temporal bone, squamous cell carcinoma, invasive, with extension into middle and posterior cranial fossa, right
2. Mastoidectomy, radical, bilateral
3. Semicircular canal, lateral, surgical fistula, left
4. Cochlea, surgical fistula, left
5. Membranous labyrinth, degeneration, due to surgical fistulae, left



# Epidermoid Carcinoma, R-351

**Title:** Epidermoid Carcinoma, R-351

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary Neoplasms

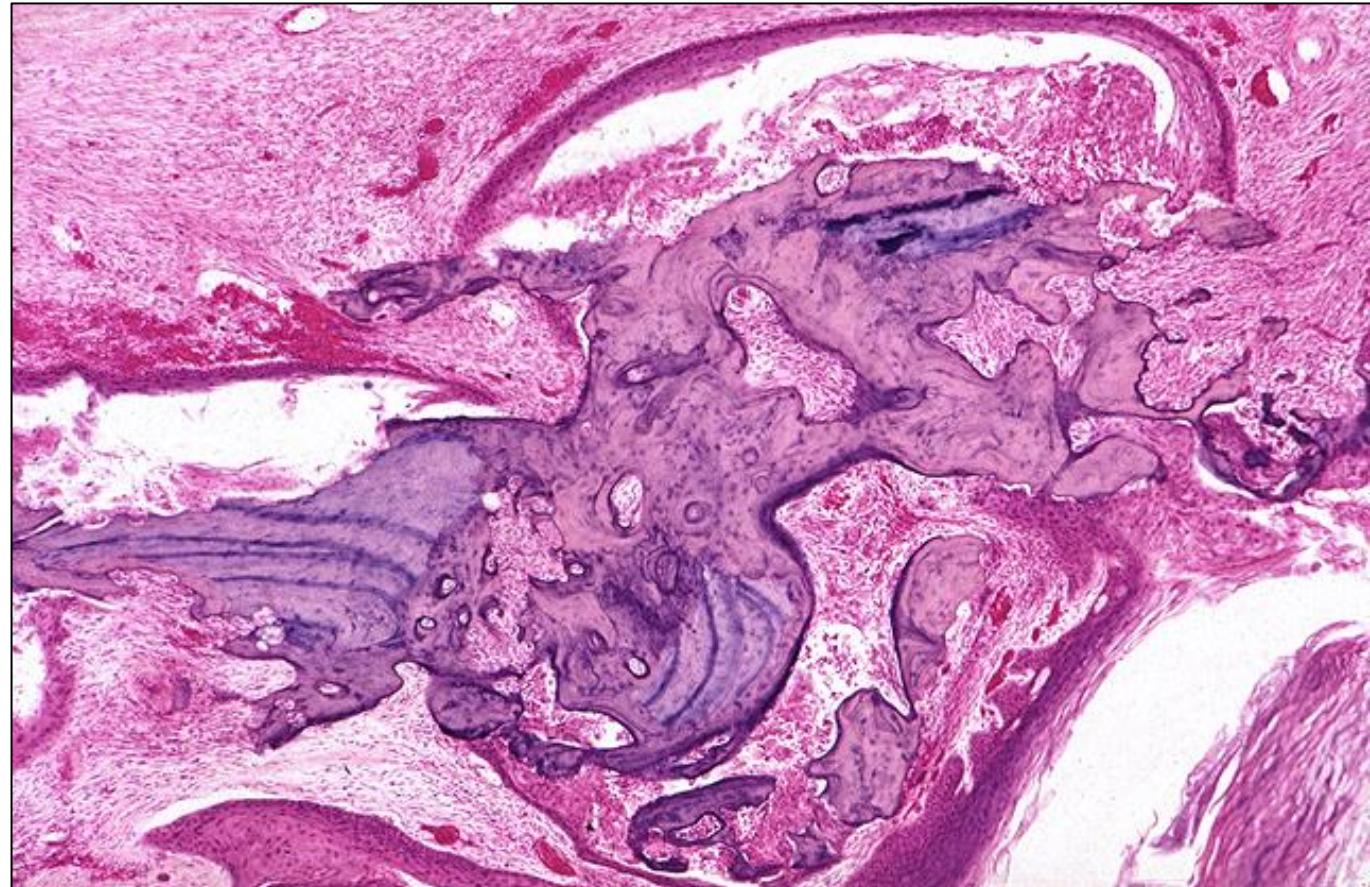
**TB Case Number:** 745

**Gender:** Female

**Age (yrs.):** 57

**Otologic Diagnosis:**

1. Temporal bone, squamous cell carcinoma, invasive, with extension into middle and posterior cranial fossa, right
2. Mastoidectomy, radical, bilateral
3. Semicircular canal, lateral, surgical fistula, left
4. Cochlea, surgical fistula, left
5. Membranous labyrinth, degeneration, due to surgical fistulae, left



# Epidermoid Carcinoma, R-351

**Title:** Epidermoid Carcinoma, R-351

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary  
Neoplasms

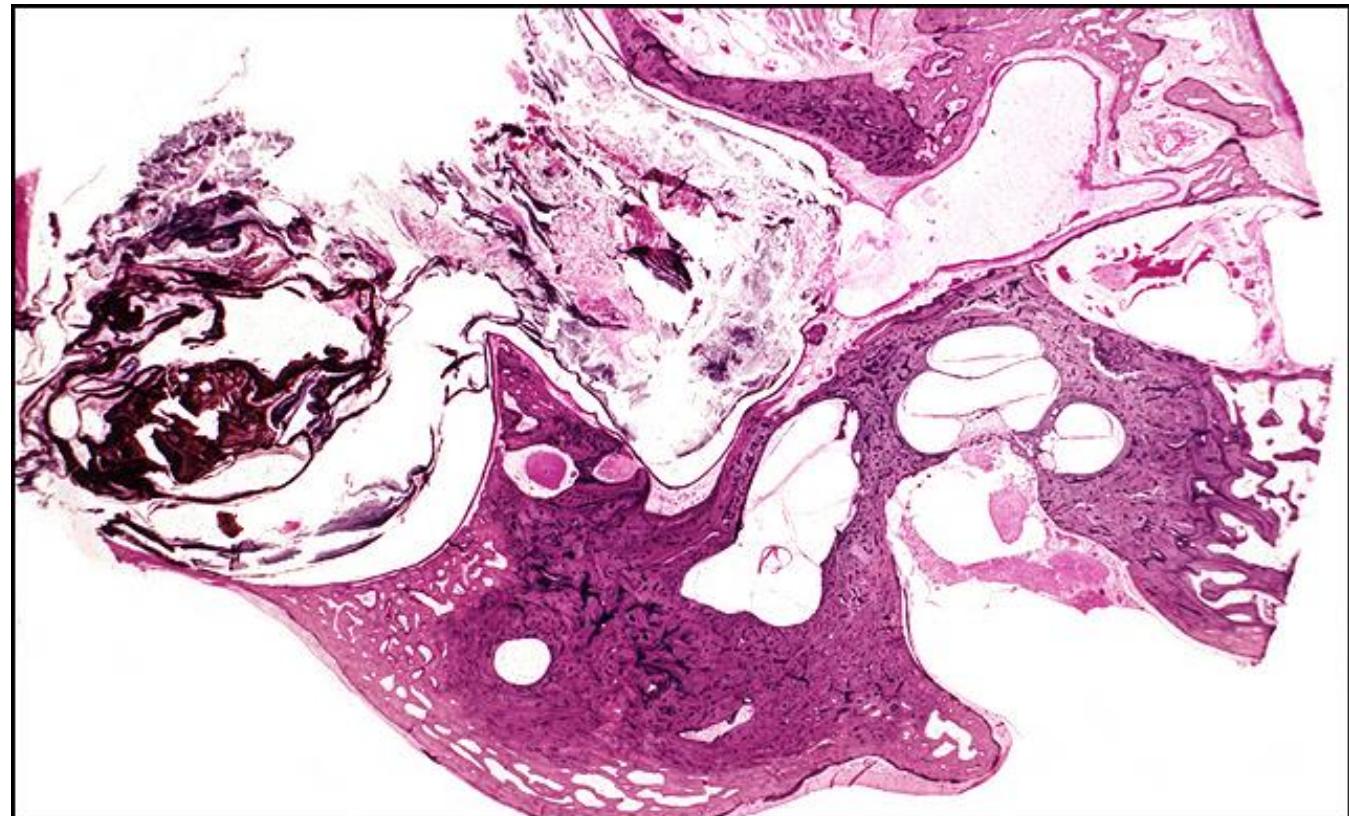
**TB Case Number:** 745

**Gender:** Female

**Age (yrs.):** 57

**Otologic Diagnosis:**

1. Temporal bone, squamous cell carcinoma, invasive, with extension into middle and posterior cranial fossa, right
2. Mastoidectomy, radical, bilateral
3. Semicircular canal, lateral, surgical fistula, left
4. Cochlea, surgical fistula, left
5. Membranous labyrinth, degeneration, due to surgical fistulae, left



# Epidermoid Carcinoma, L-282

**Title:** Epidermoid Carcinoma, L-282

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary  
Neoplasms

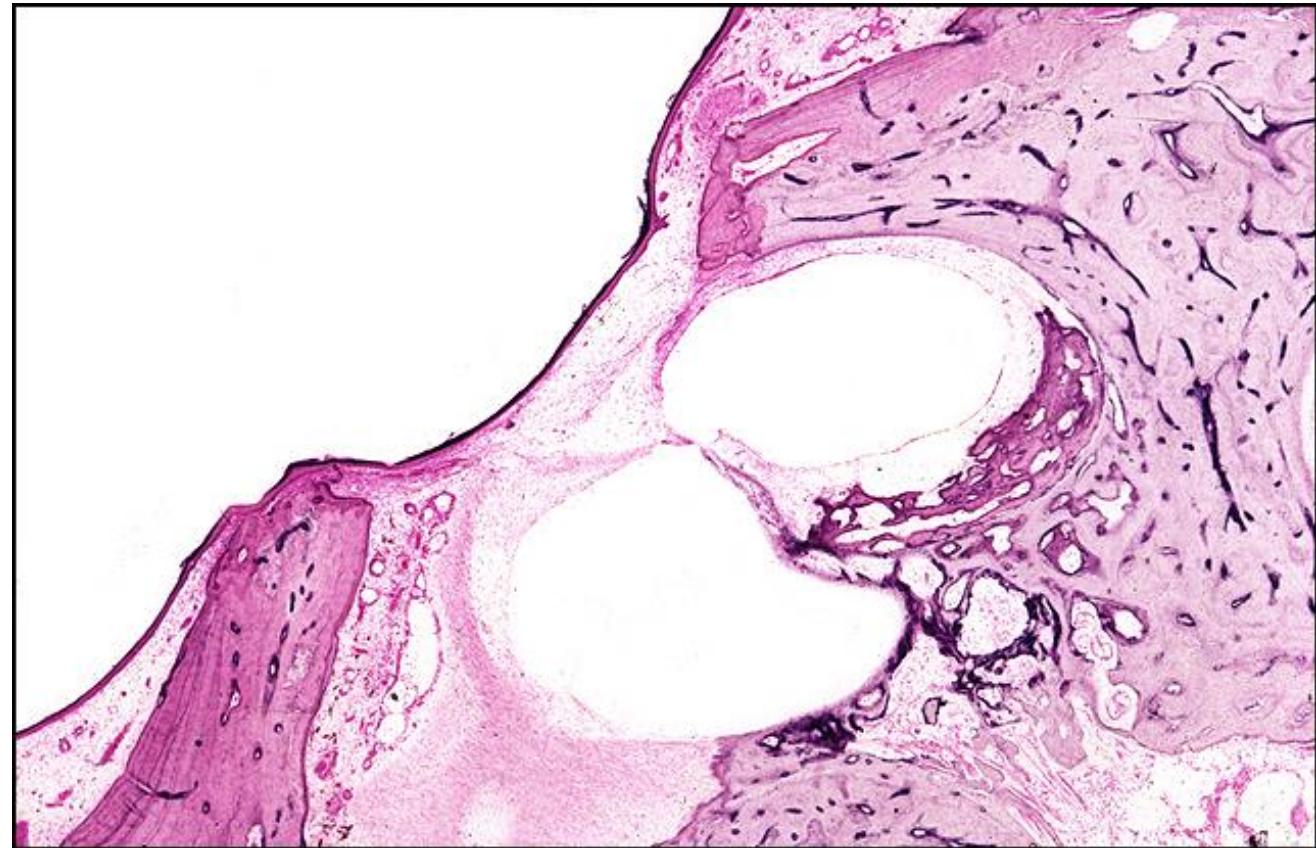
**TB Case Number:** 745

**Gender:** Female

**Age (yrs.):** 57

**Otologic Diagnosis:**

1. Temporal bone, squamous cell carcinoma, invasive, with extension into middle and posterior cranial fossa, right
2. Mastoidectomy, radical, bilateral
3. Semicircular canal, lateral, surgical fistula, left
4. Cochlea, surgical fistula, left
5. Membranous labyrinth, degeneration, due to surgical fistulae, left



# Epidermoid Carcinoma, L-231

**Title:** L-231 Epidermoid Carcinoma

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary  
Neoplasms

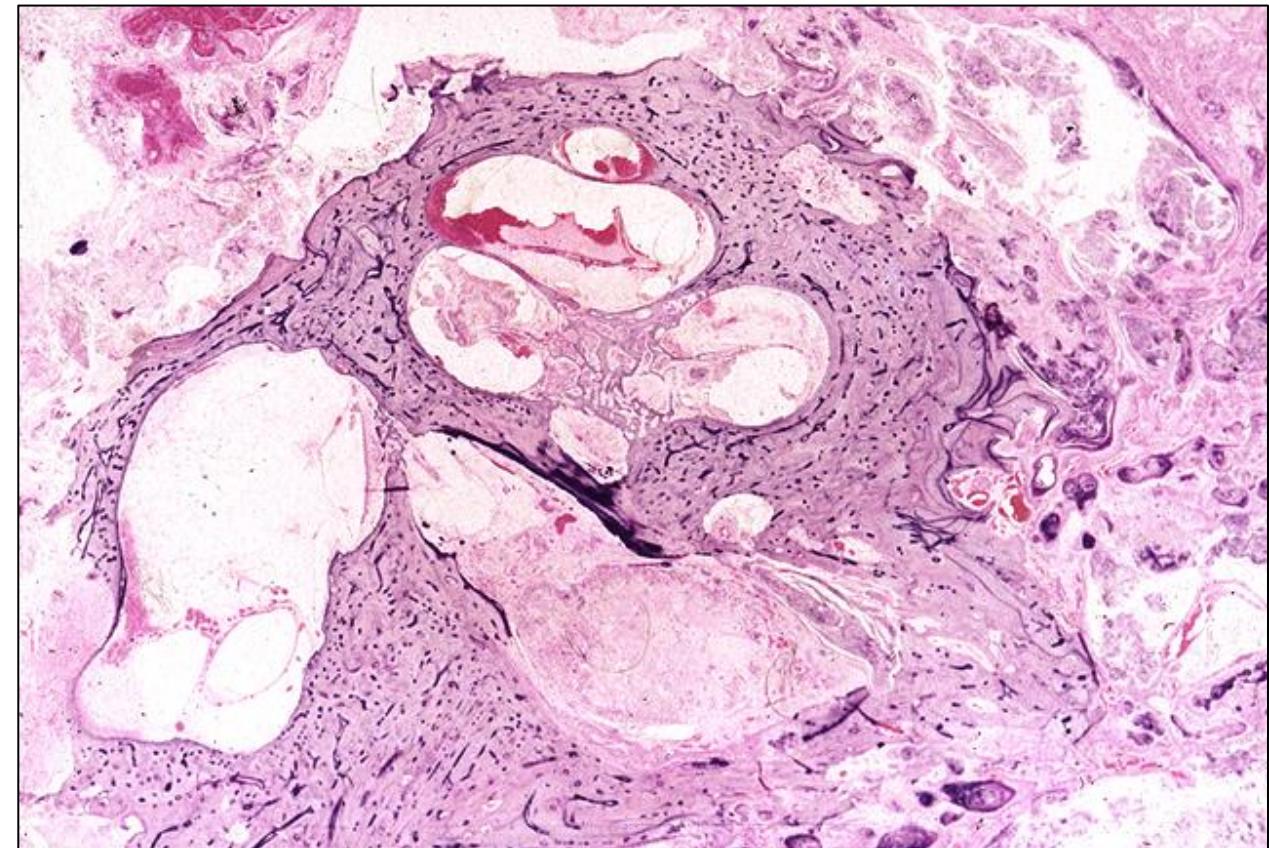
**TB Case Number:** 284

**Gender:** Female

**Age (yrs.):** 56

**Otologic Diagnosis:**

1. Carcinoma, epidermoid, grade 1, left
2. Radiation therapy, temporal bone, left
3. Mastoidectomy, carcinoma, epidermoid, left
4. Bony labyrinth, erosion, carcinoma, epidermoid, left
5. Membranous labyrinth, invasion, carcinoma,  
epidermoid, left
6. Endolymphatic hydrops, carcinoma, epidermoid, left



# Epidermoid Carcinoma, R-190

**Title:** Epidermoid Carcinoma, R-190

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma,  
Primary Neoplasms

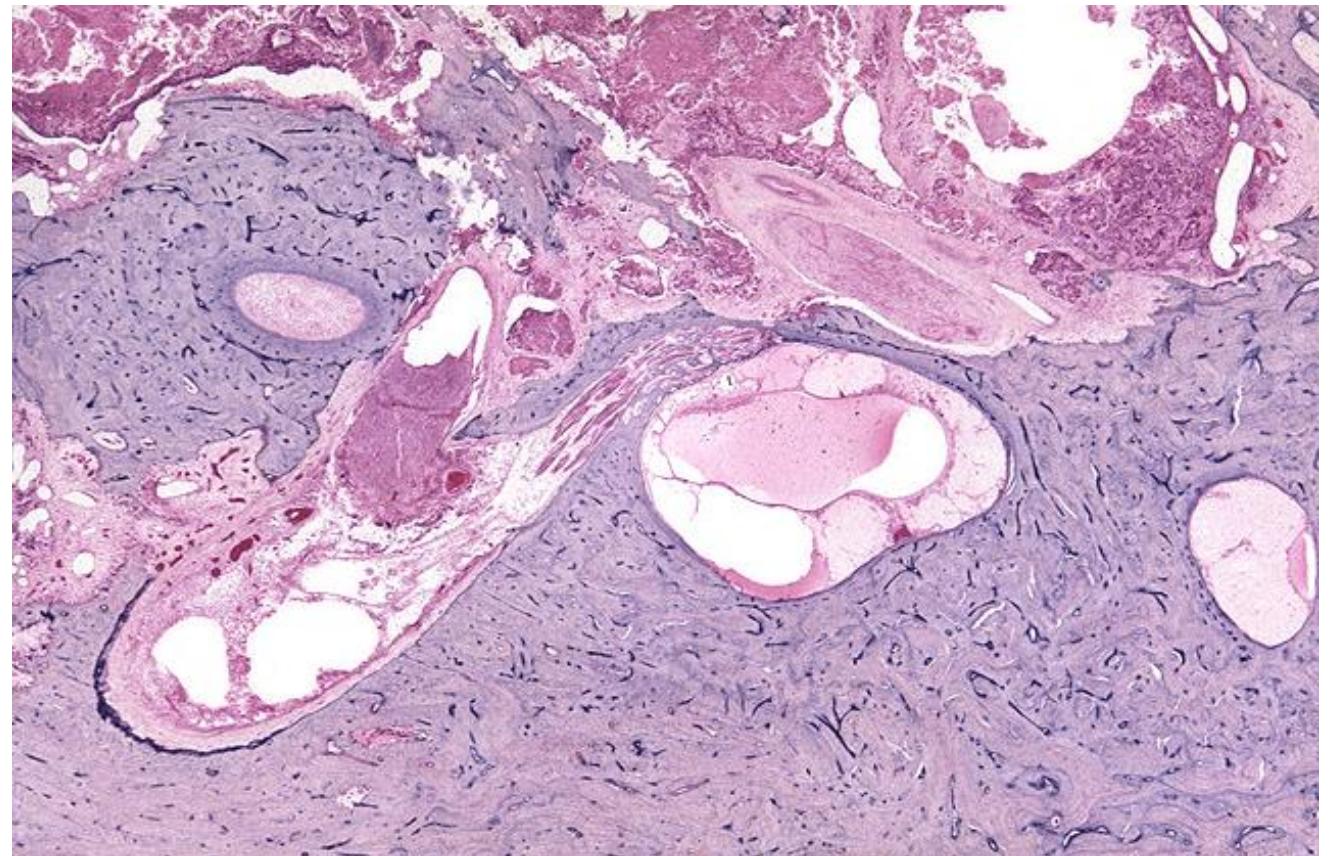
**TB Case Number:** 479

**Gender:** Male

**Age (yrs.):** 70

**Otologic Diagnosis:**

1. Temporal bone, invasive squamous cell carcinoma, right
2. Otitis media, chronic, suppurative, left



# Epidermoid Carcinoma, R-81

**Title:** Epidermoid Carcinoma, R-81

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary  
Neoplasms

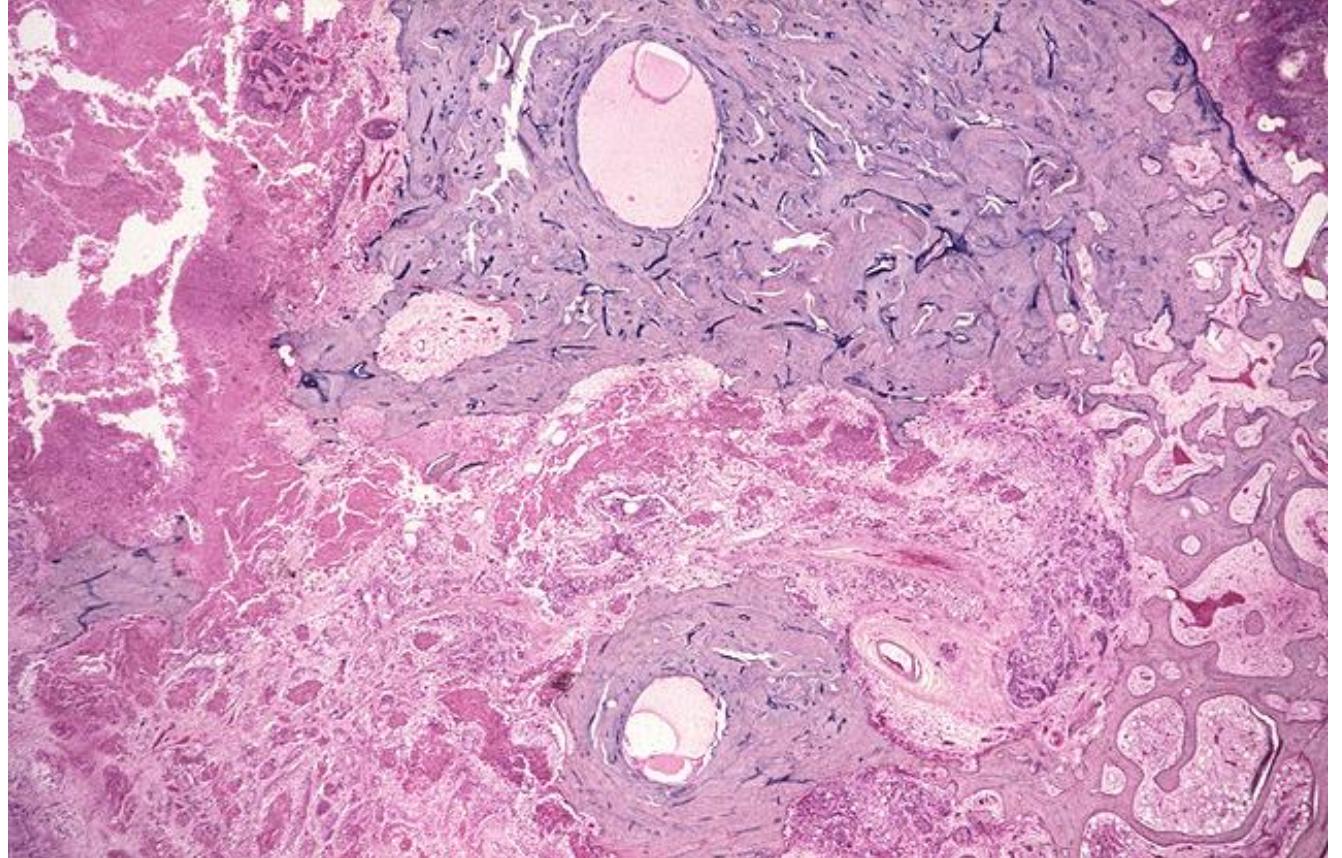
**TB Case Number:** 479

**Gender:** Male

**Age (yrs.):** 70

**Otologic Diagnosis:**

1. Temporal bone, invasive squamous cell carcinoma, right
2. Otitis media, chronic, suppurative, left



# Carcinoma of Nasopharynx, Invasion of Temporal Bone, L-201

**Title:** Carcinoma of Nasopharynx, Invasion of Temporal Bone, L-201

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary Neoplasms

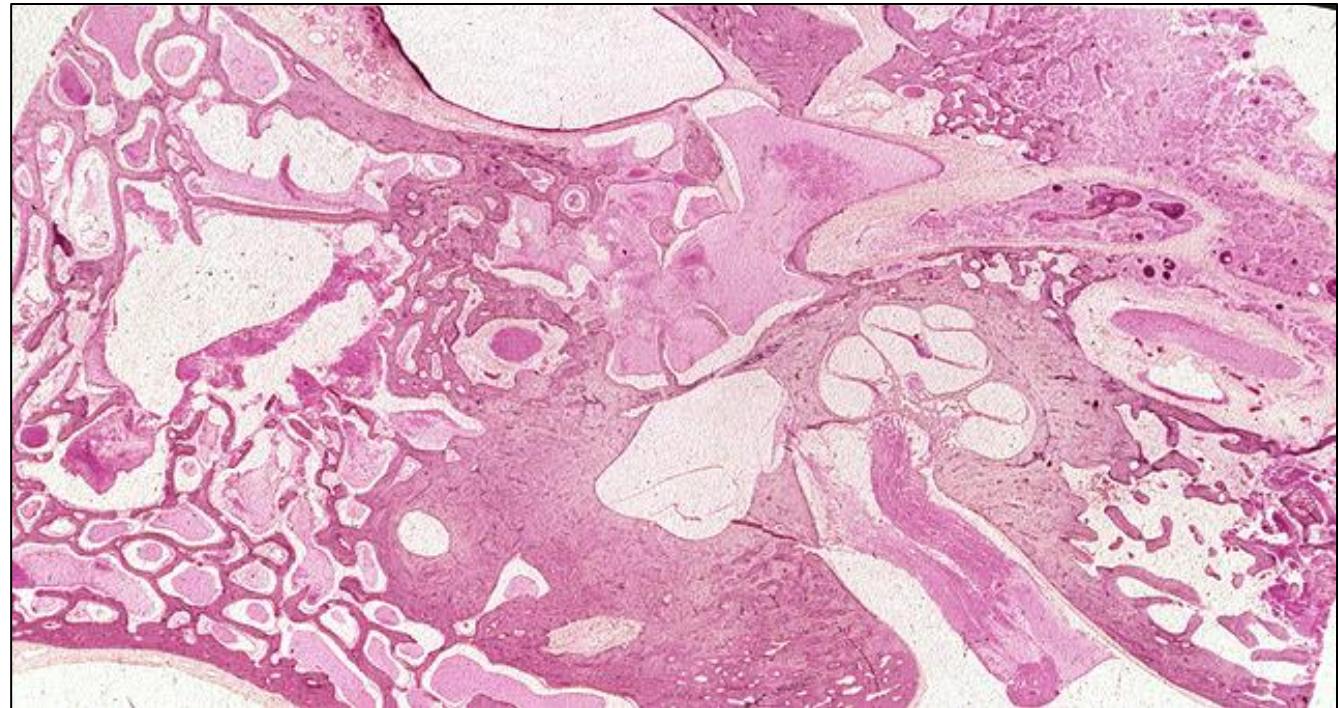
**TB Case Number:** 305

**Gender:** Female

**Age (yrs.):** 51

**Otologic Diagnosis:**

1. Squamous cell carcinoma, temporal bone, direct extension from pharynx, apical, inferior, left
2. Tympanomastoiditis, with effusion, in vacuo, left
3. Eustachian tube, cartilaginous and bony, obstructed, carcinoma extension, left
4. Membranous labyrinth, normal, excellent histology, left



# Carcinoma of Nasopharynx, Invasion of Temporal Bone, L-341

**Title:** Carcinoma of Nasopharynx, Invasion of Temporal Bone, L-341

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary Neoplasms

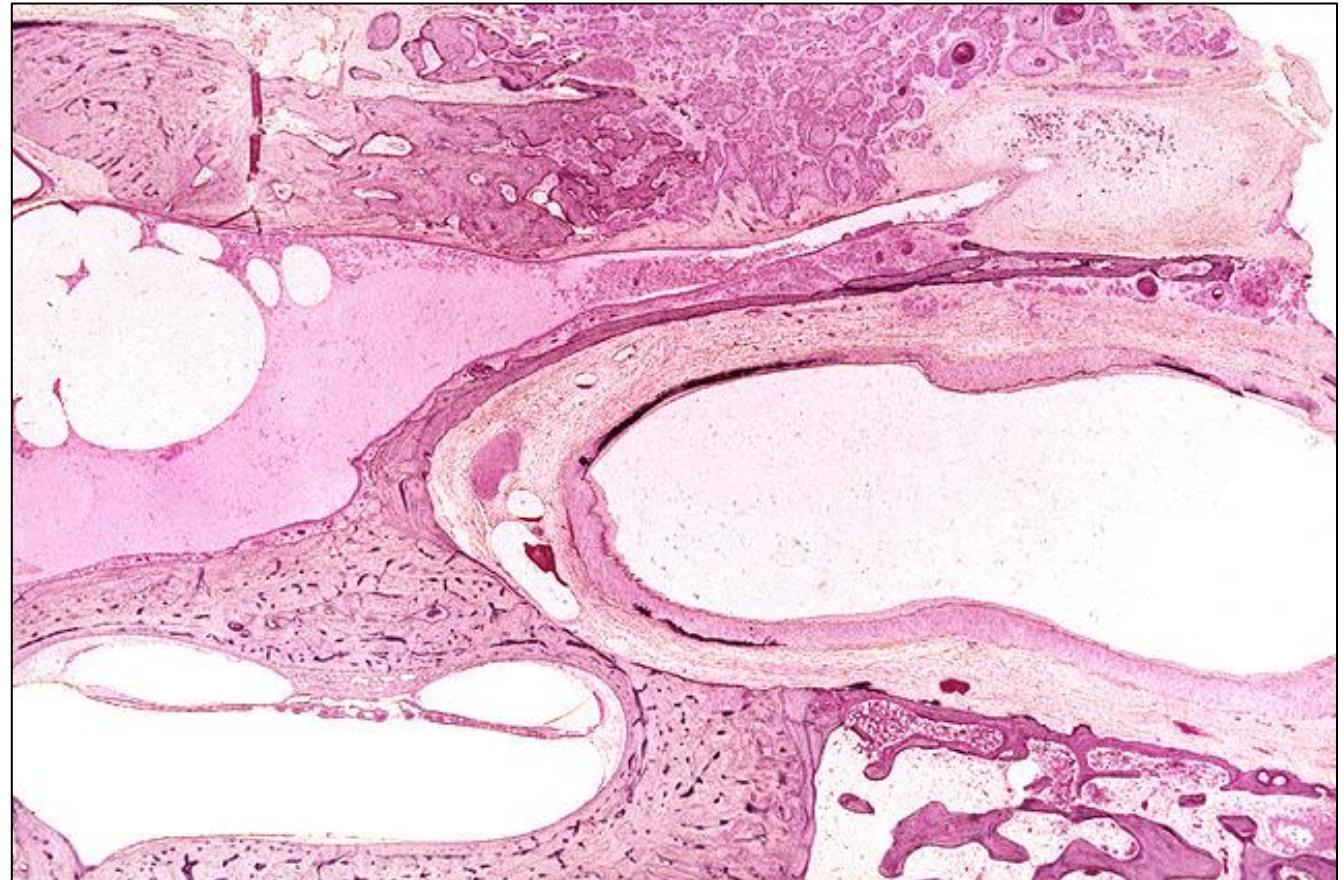
**TB Case Number:** 305

**Gender:** Female

**Age (yrs.):** 51

**Otologic Diagnosis:**

1. Squamous cell carcinoma, temporal bone, direct extension from pharynx, apical, inferior, left
2. Tympanomastoiditis, with effusion, in vacuo, left
3. Eustachian tube, cartilaginous and bony, obstructed, carcinoma extension, left
4. Membranous labyrinth, normal, excellent histology, left



# Carcinoma of Nasopharynx, Invasion of Temporal Bone

**Title:** Carcinoma of Nasopharynx, Invasion of Temporal Bone

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary Neoplasms

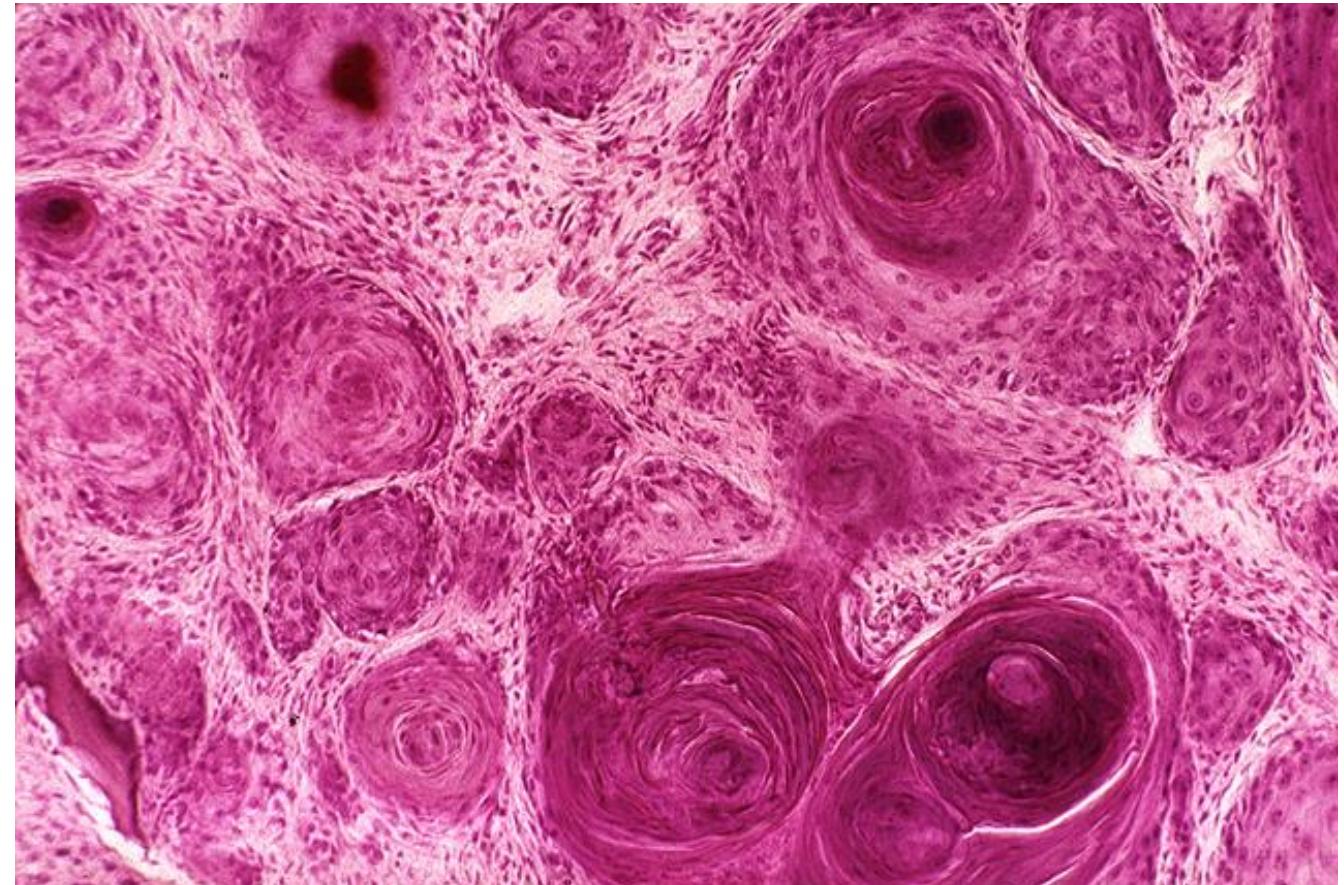
**TB Case Number:** 305

**Gender:** Female

**Age (yrs.):** 51

**Otologic Diagnosis:**

1. Squamous cell carcinoma, temporal bone, direct extension from pharynx, apical, inferior, left
2. Tympanomastoiditis, with effusion, in vacuo, left
3. Eustachian tube, cartilaginous and bony, obstructed, carcinoma extension, left
4. Membranous labyrinth, normal, excellent histology, left



# Epidermoid Carcinoma, Invasive Pharynx, L-511

**Title:** Epidermoid Carcinoma, Invasive Pharynx, L-511

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma, Primary  
Neoplasms

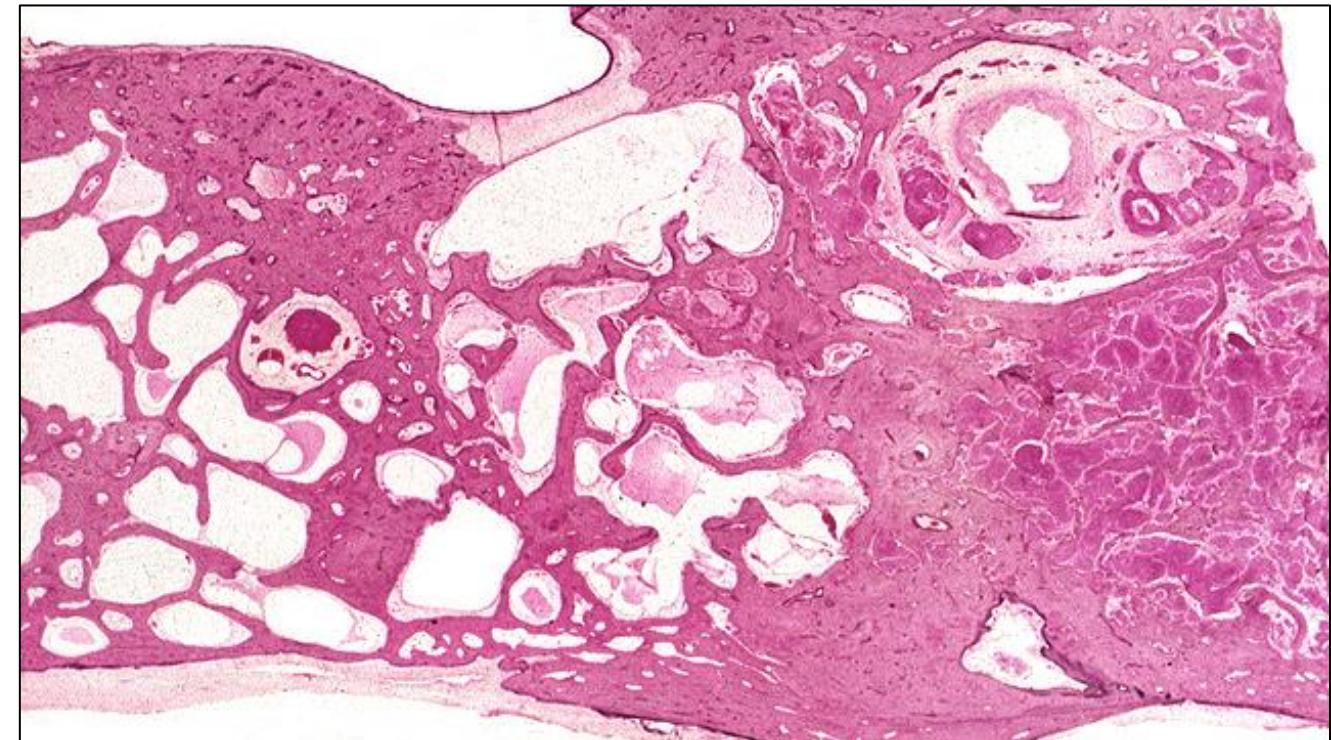
**TB Case Number:** 213

**Gender:** Female

**Age (yrs.):** 63

**Otologic Diagnosis:**

1. Carcinoma, petrous apex, direct extension, oropharynx, left
2. Otosclerosis, histologic, right
3. Otosclerosis, clinical, mild, presumptive, left
4. Spiral ligament, atrophy, apical region, bilateral
5. Stria vascularis, atrophy, apical region, bilateral
6. Gasserian ganglion, normal
7. Artifact, preparation, compression, bilateral



# Epidermoid Carcinoma, Invasive, L-511

**Title:** Epidermoid Carcinoma, Invasive, L-511

**Chapter:** Neoplasms

**Chapter Section:** Epidermoid Carcinoma,  
Primary Neoplasms

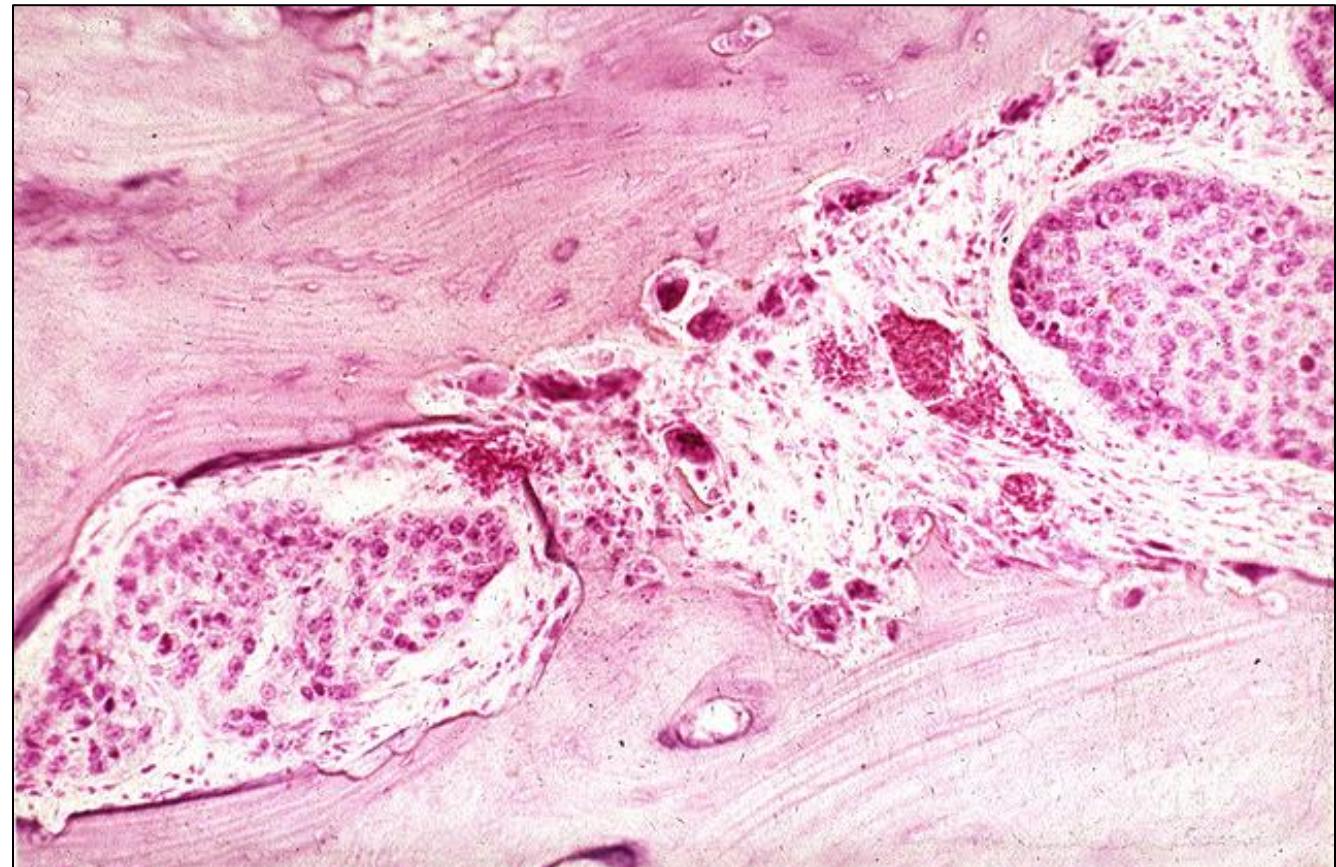
**TB Case Number:** 213

**Gender:** Female

**Age (yrs.):** 63

**Otologic Diagnosis:**

1. Carcinoma, petrous apex, direct extension, oropharynx, left
2. Otosclerosis, histologic, right
3. Otosclerosis, clinical, mild, presumptive, left
4. Spiral ligament, atrophy, apical region, bilateral
5. Stria vascularis, atrophy, apical region, bilateral
6. Gasserian ganglion, normal
7. Artifact, preparation, compression, bilateral



# Chondromyxosarcoma, R-341

**Title:** Chondromyxosarcoma, R-341

**Chapter:** Neoplasms

**Chapter Section:** Chondrosarcoma,  
Primary Neoplasms, Sarcoma

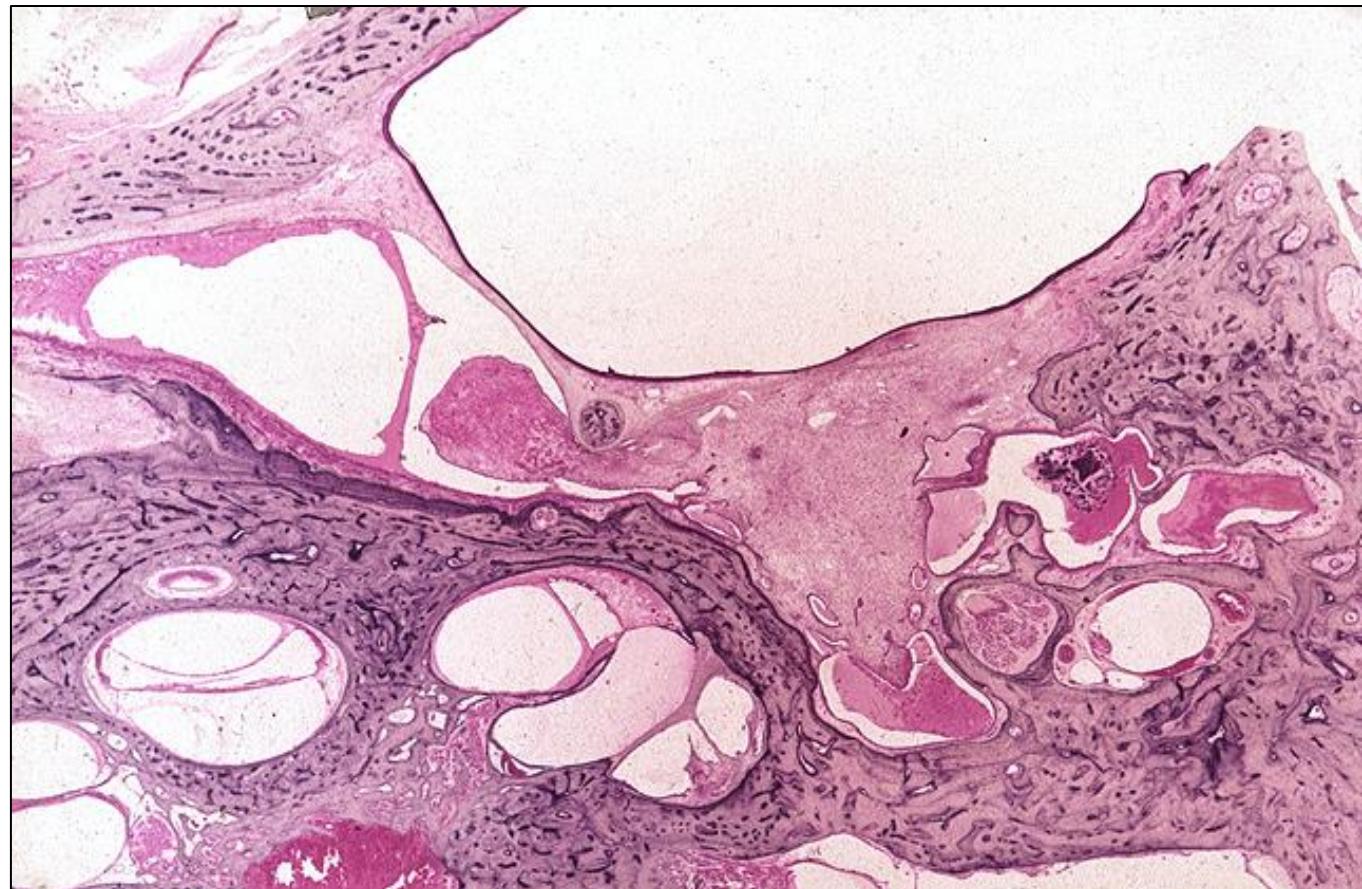
**TB Case Number:** 406

**Gender:** Female

**Age (yrs.):** 27

**Otologic Diagnosis:**

1. Chondromyxosarcoma, temporal bone, right
2. Internal carotid artery, compression occlusion, right
3. Eustachian tube, compression occlusion, right
4. Otitis media, seromucinous, secondary to blockage of the eustachian tube, right



# Chondromyxosarcoma, R-230

**Title:** Chondromyxosarcoma, R-230

**Chapter:** Neoplasms

**Chapter Section:** Chondrosarcoma,  
Primary Neoplasms, Sarcoma

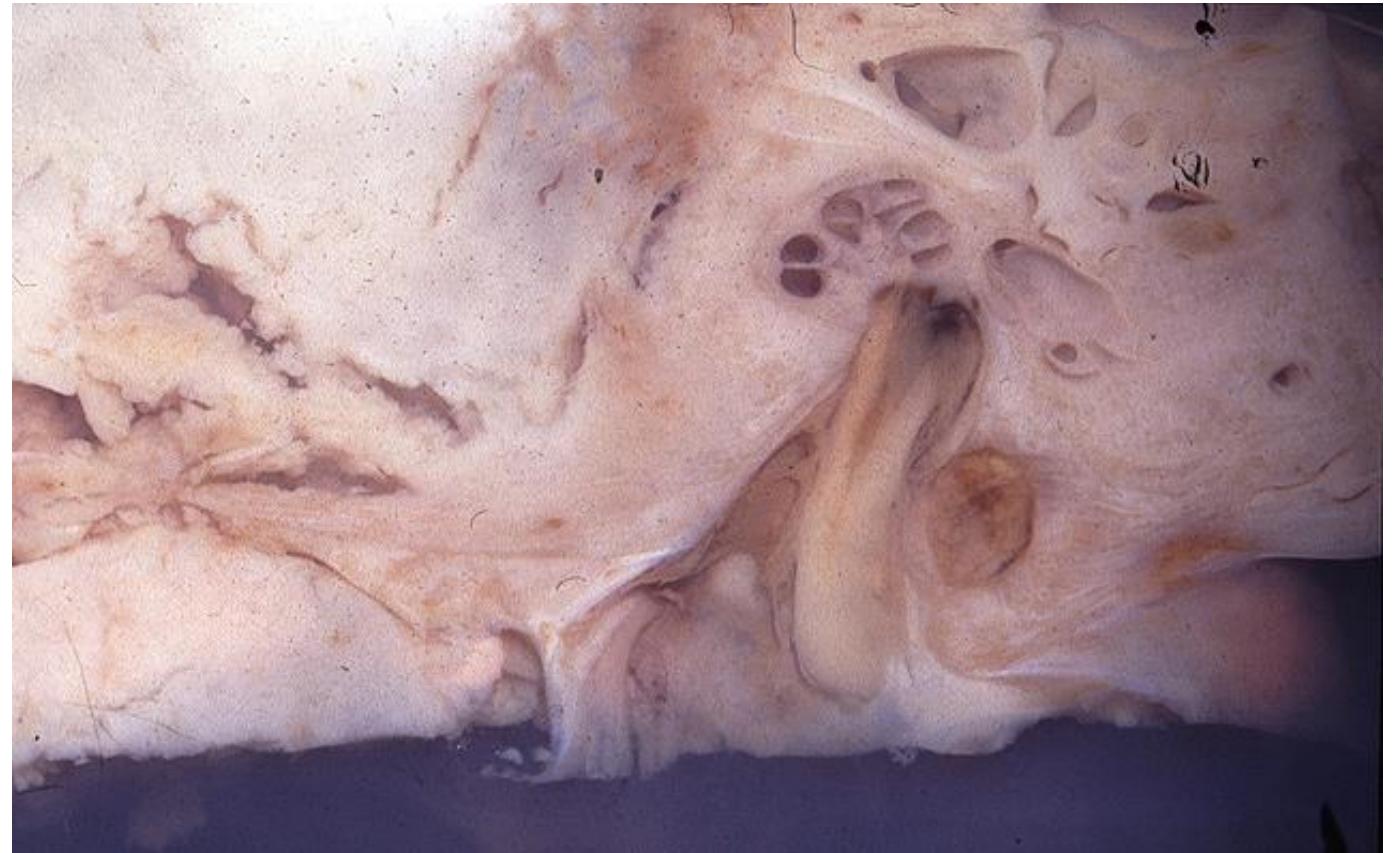
**TB Case Number:** 406

**Gender:** Female

**Age (yrs.):** 27

**Otologic Diagnosis:**

1. Chondromyxosarcoma, temporal bone, right
2. Internal carotid artery, compression occlusion, right
3. Eustachian tube, compression occlusion, right
4. Otitis media, seromucinous, secondary to blockage of the eustachian tube, right



# Chondromyxosarcoma, R-270

**Title:** R-270 Chondromyxosarcoma

**Chapter:** Neoplasms

**Chapter Section:** Chondrosarcoma,  
Primary Neoplasms, Sarcoma

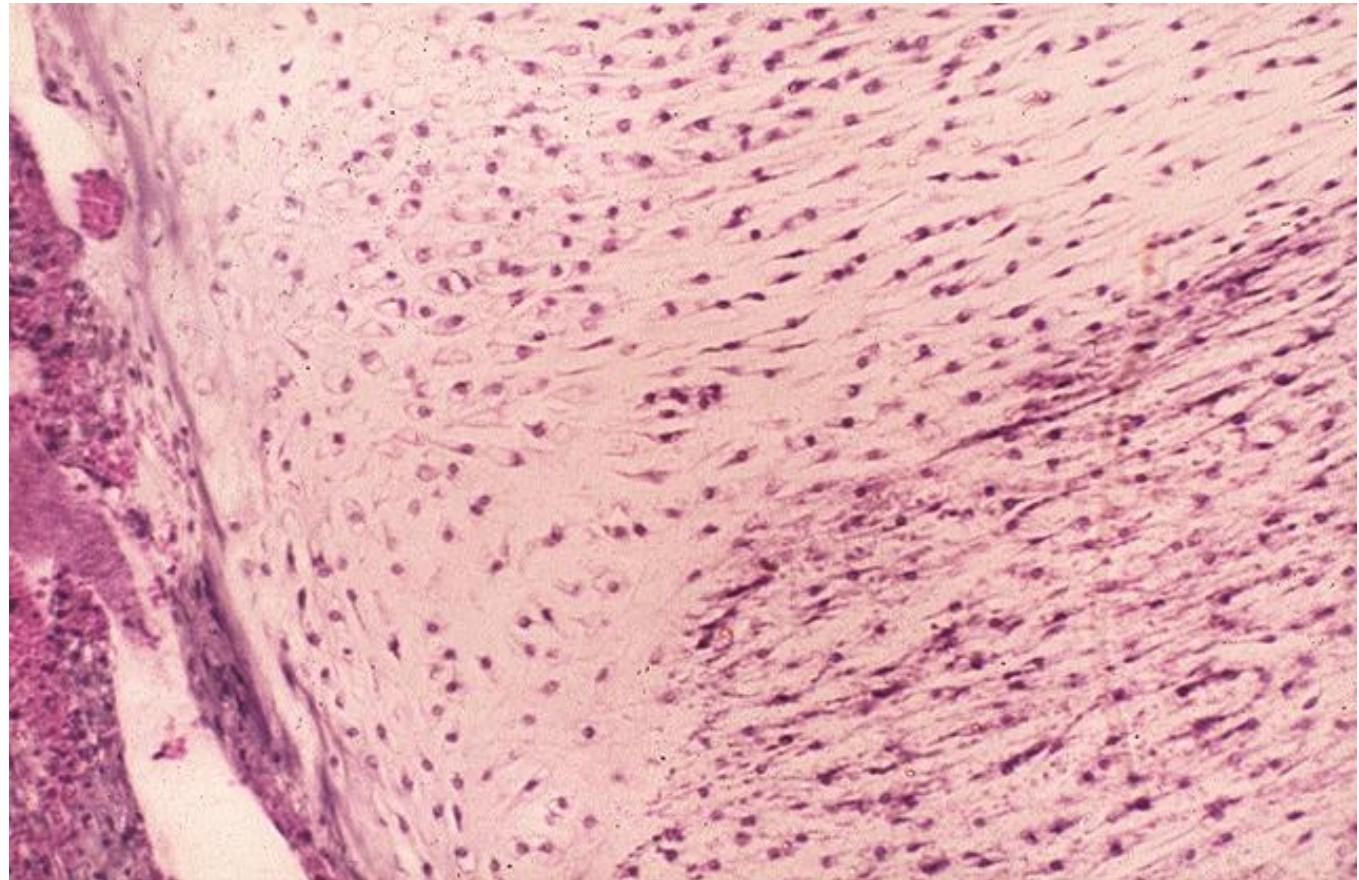
**TB Case Number:** 406

**Gender:** Female

**Age (yrs.):** 27

**Otologic Diagnosis:**

1. Chondromyxosarcoma, temporal bone, right
2. Internal carotid artery, compression occlusion, right
3. Eustachian tube, compression occlusion, right
4. Otitis media, seromucinous, secondary to blockage of the eustachian tube, right



# Osteosarcoma, L-232

**Title:** Osteosarcoma, L-232

**Chapter:** Neoplasms

**Chapter Section:** Osteogenic Sarcoma,  
Primary Neoplasms, Sarcoma

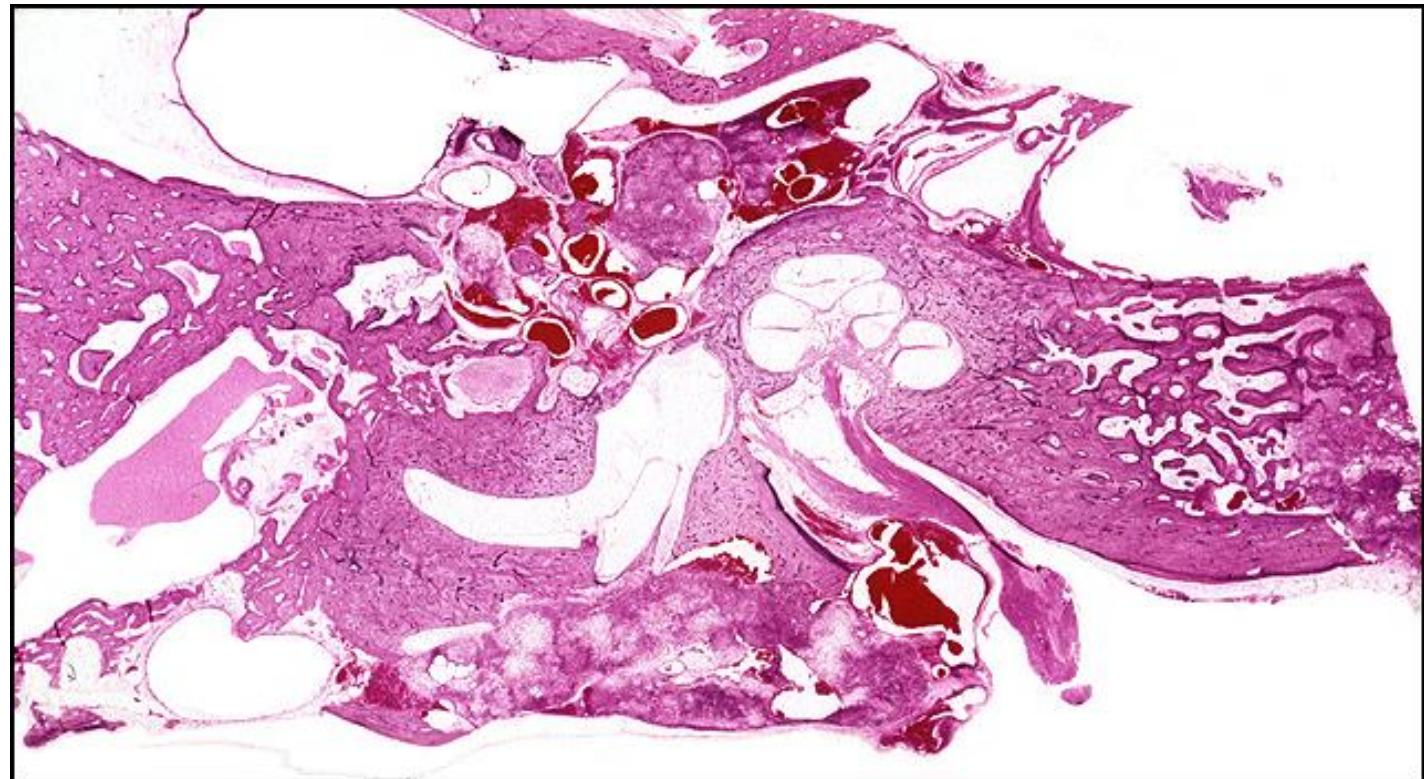
**TB Case Number:** 74

**Gender:** Male

**Age (yrs.):** 21

**Otologic Diagnosis:**

1. Sarcoma, osteogenic, primary temporal bone, left
2. Labyrinthitis, toxic, manifested by endolymphatic hydrops and fibrous proliferation in the cochlear scalae and precipitate in the endolymphatic system secondary to neoplastic invasion of the inferior part of the labyrinth



# Osteosarcoma, L-211

**Title:** Osteosarcoma, L-211

**Chapter:** Neoplasms

**Chapter Section:** Osteogenic Sarcoma,  
Primary Neoplasms, Sarcoma

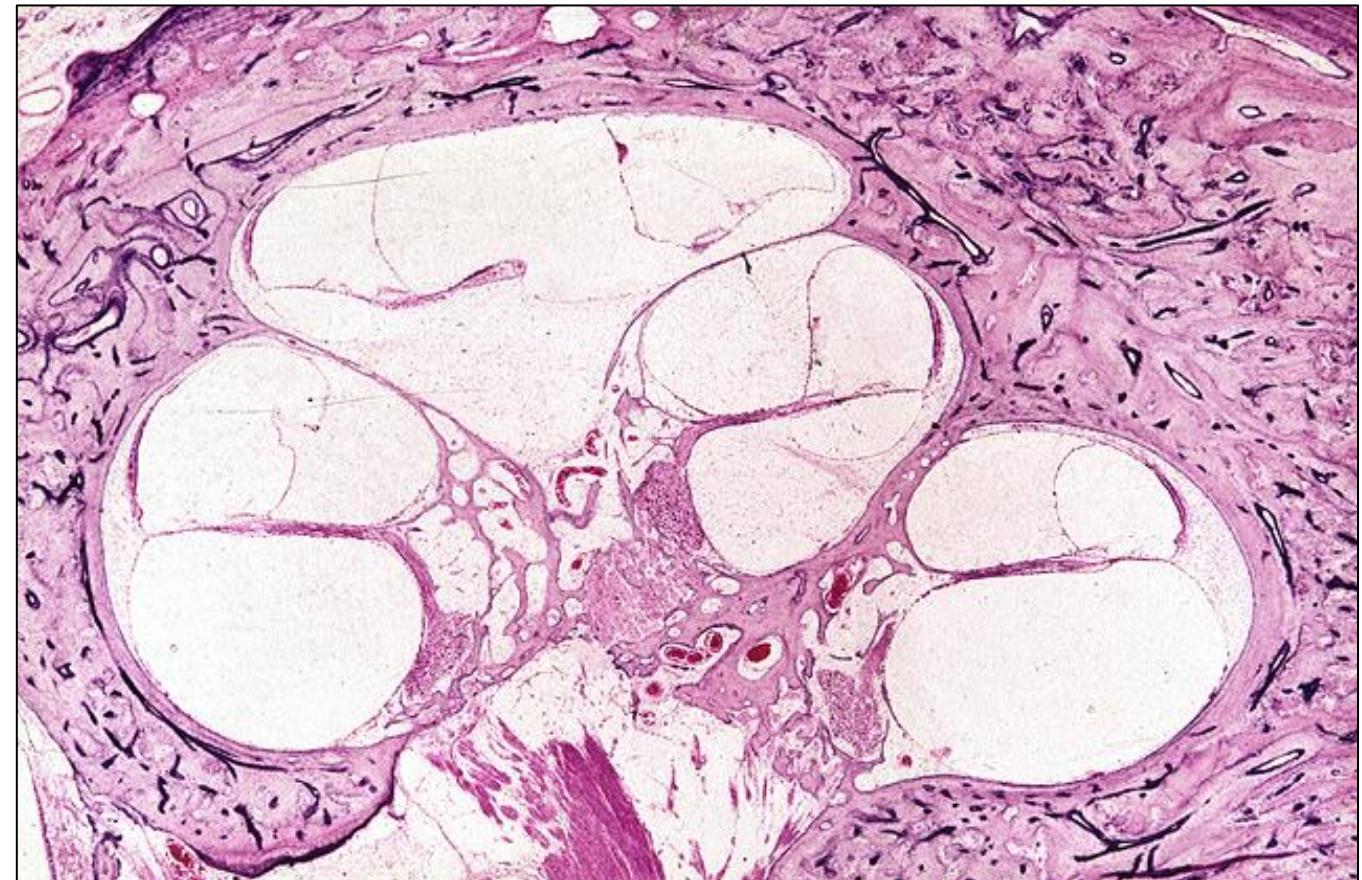
**TB Case Number:** 74

**Gender:** Male

**Age (yrs.):** 21

**Otologic Diagnosis:**

1. Sarcoma, osteogenic, primary temporal bone, left
2. Labyrinthitis, toxic, manifested by endolymphatic hydrops and fibrous proliferation in the cochlear scalae and precipitate in the endolymphatic system secondary to neoplastic invasion of the inferior part of the labyrinth



# Osteosarcoma, L-211

**Title:** Osteosarcoma, L-211

**Chapter:** Neoplasms

**Chapter Section:** Osteogenic Sarcoma,  
Primary Neoplasms, Sarcoma

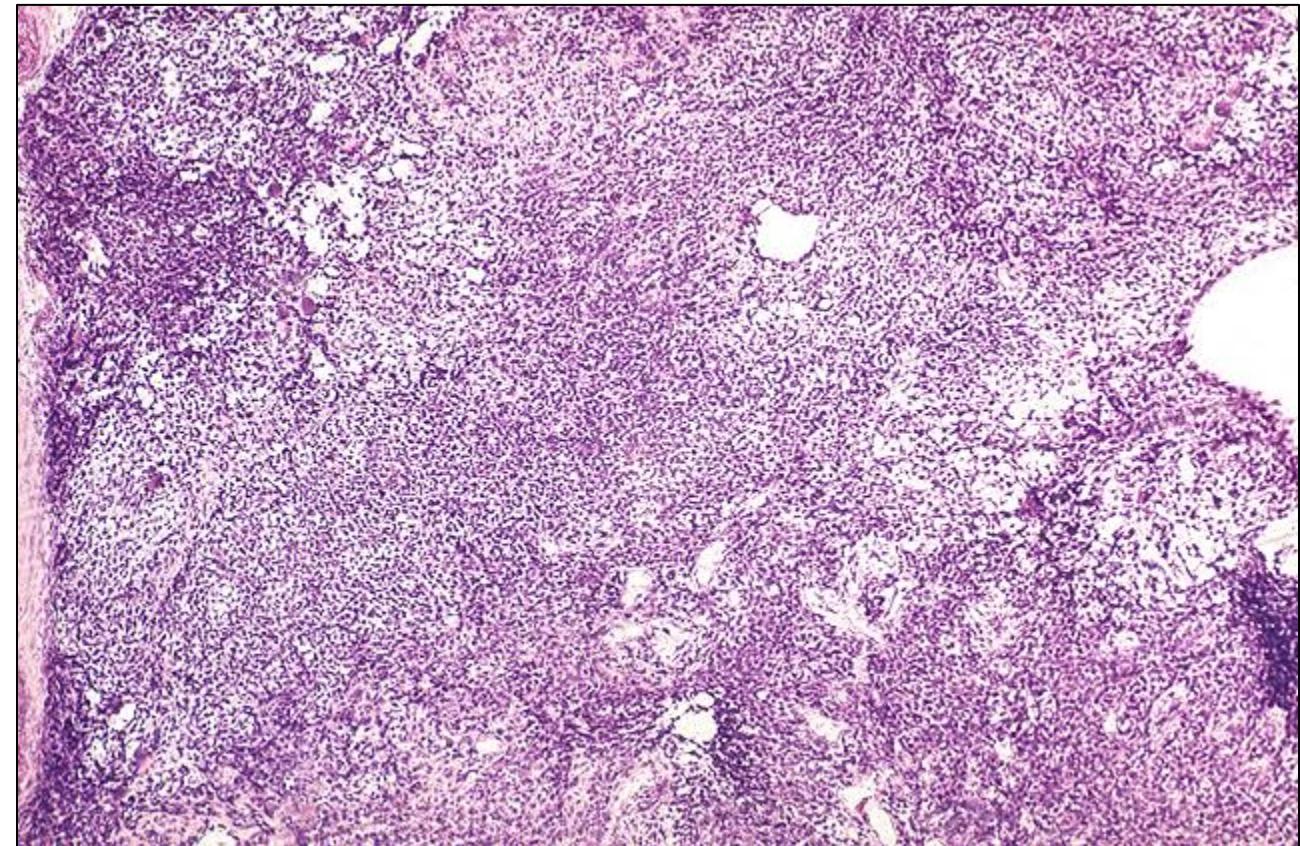
**TB Case Number:** 74

**Gender:** Male

**Age (yrs.):** 21

**Otologic Diagnosis:**

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2. Labyrinthitis, toxic, manifested by endolymphatic hydrops and fibrous proliferation in the cochlear scalae and precipitate in the endolymphatic system secondary to neoplastic invasion of the inferior part of the labyrinth



# Osteosarcoma

**Title:** Osteosarcoma

**Chapter:** Neoplasms

**Chapter Section:** Osteogenic Sarcoma,  
Primary Neoplasms, Sarcoma

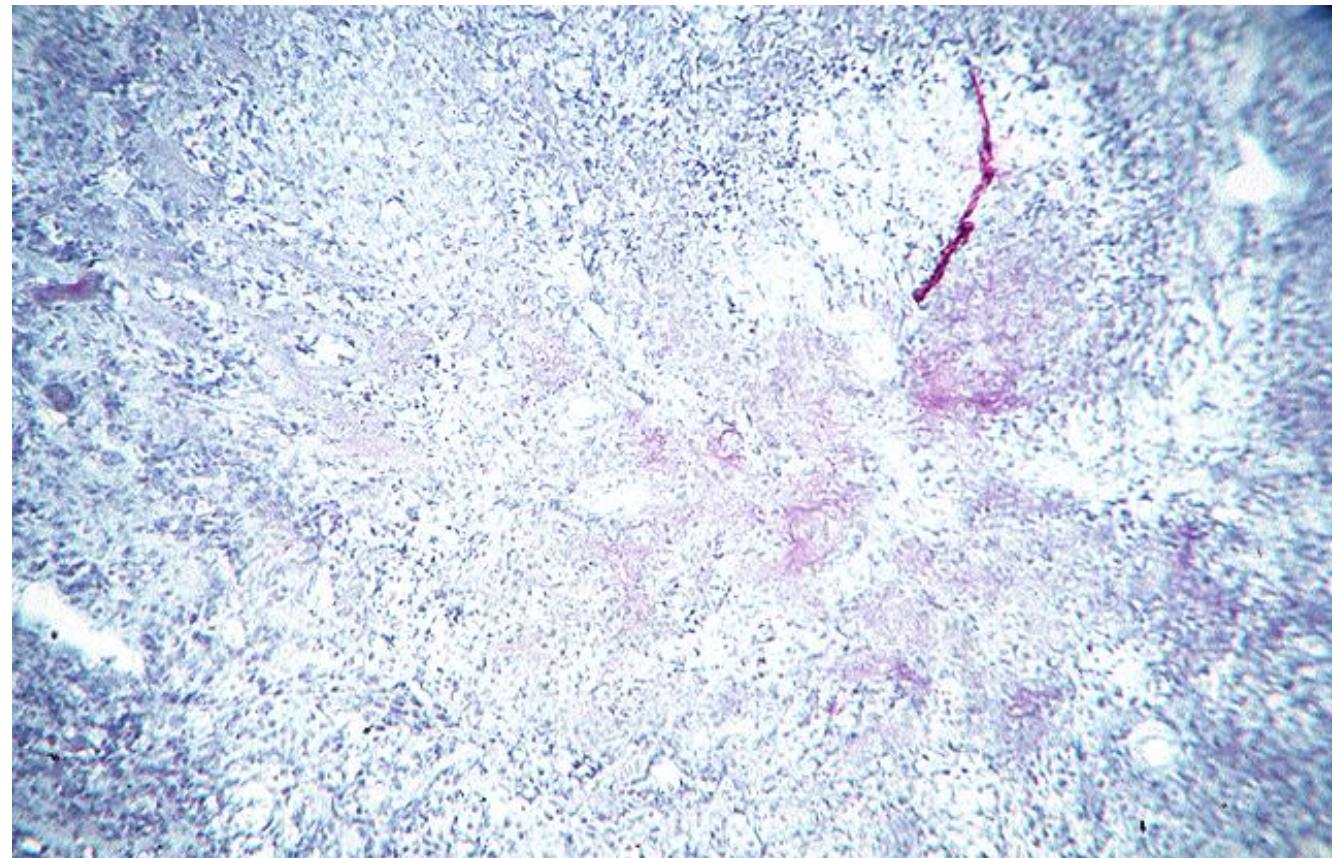
**TB Case Number:** 74

**Gender:** Male

**Age (yrs.):** 21

**Otologic Diagnosis:**

1. Sarcoma, osteogenic, primary temporal bone, left
2. Labyrinthitis, toxic, manifested by endolymphatic hydrops and fibrous proliferation in the cochlear scalae and precipitate in the endolymphatic system secondary to neoplastic invasion of the inferior part of the labyrinth



# Osteosarcoma

**Title:** Osteosarcoma

**Chapter:** Neoplasms

**Chapter Section:** Osteogenic Sarcoma,  
Primary Neoplasms, Sarcoma

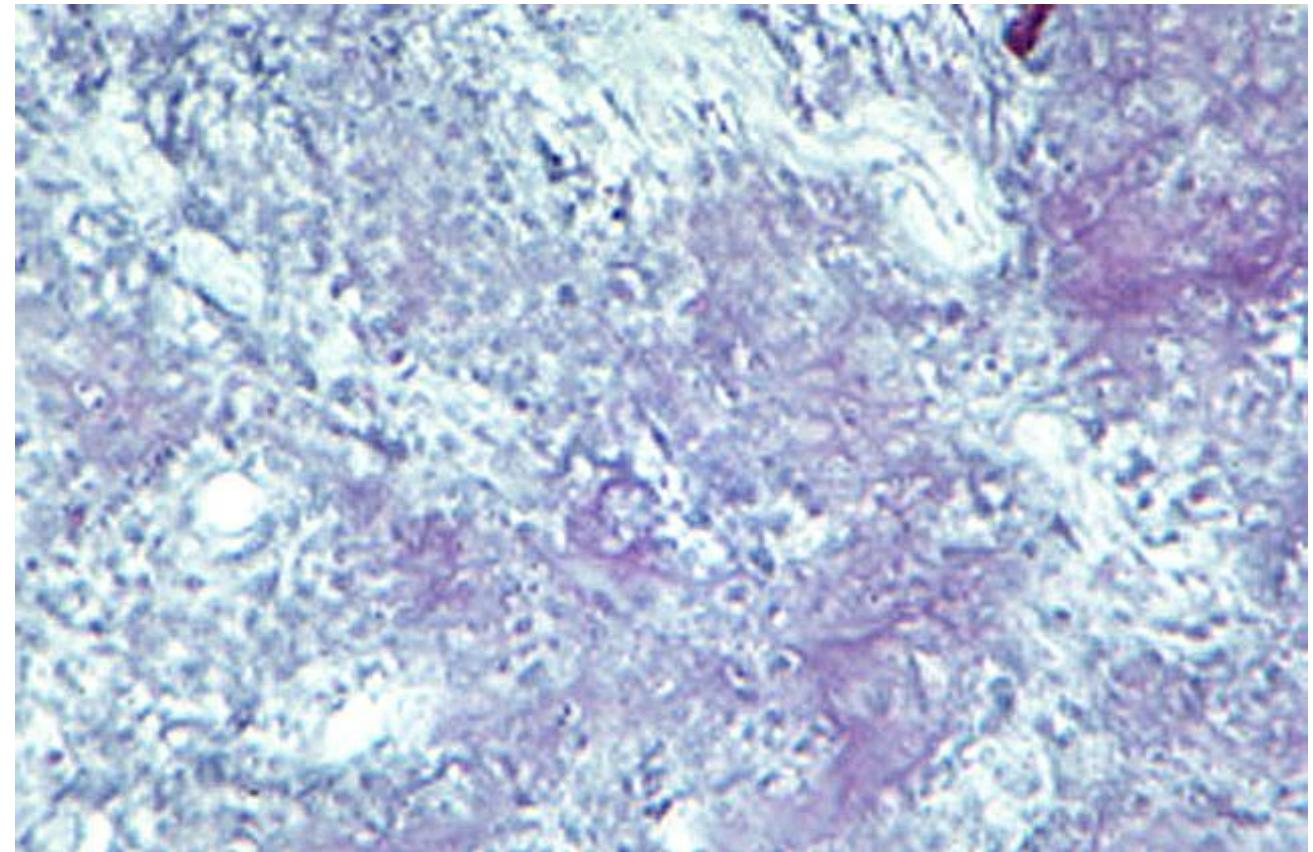
**TB Case Number:** 74

**Gender:** Male

**Age (yrs.):** 21

**Otologic Diagnosis:**

1. Sarcoma, osteogenic, primary temporal bone, left
2. Labyrinthitis, toxic, manifested by endolymphatic hydrops and fibrous proliferation in the cochlear scalae and precipitate in the endolymphatic system secondary to neoplastic invasion of the inferior part of the labyrinth



# Glomus Jugulari, R-590

**Title:** Glomus Jugulari, R-590

**Chapter:** Neoplasms

**Chapter Section:** Glomus Body Tumor,  
Primary Neoplasms, Sarcoma

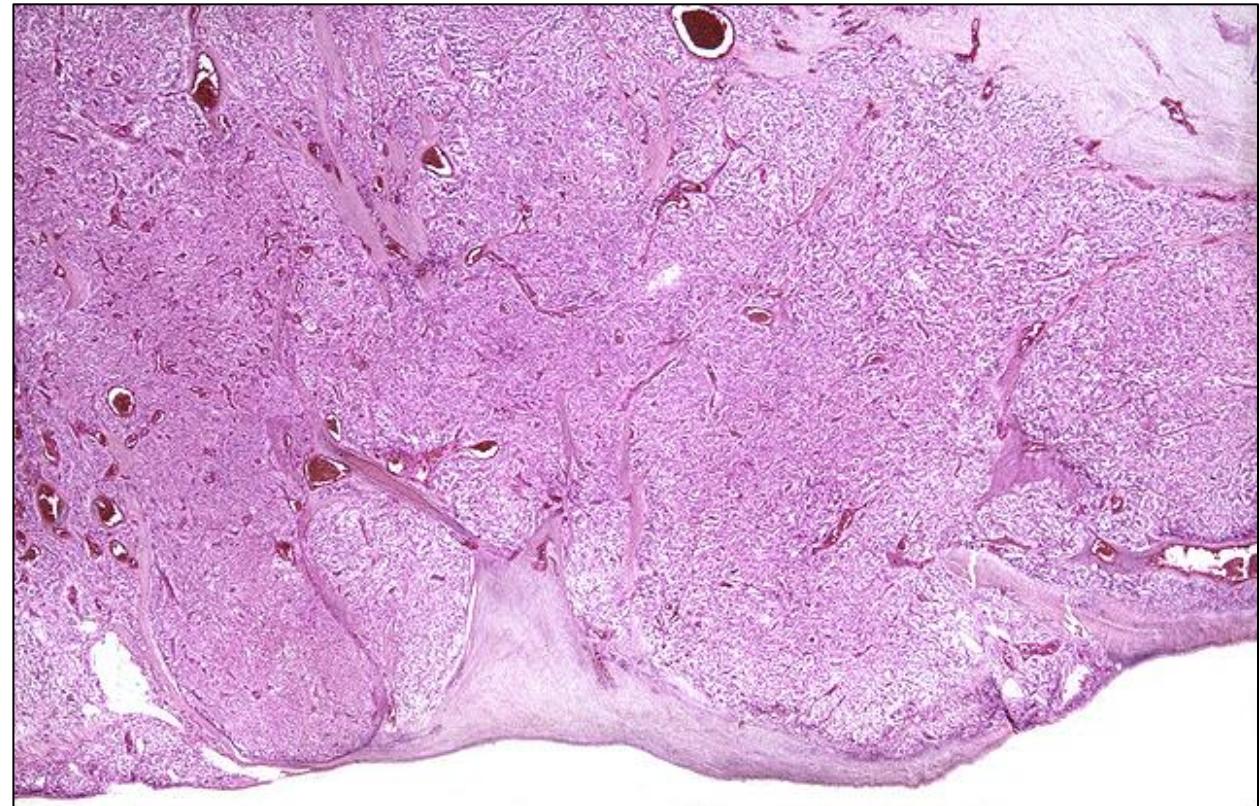
**TB Case Number:** 380

**Gender:** Female

**Age (yrs.):** 81

**Otologic Diagnosis:**

1. Glomus body tumor, extensive, in the tympanic cavity, jugular bulb, and along the carotid sheath, right
2. Surgical defect in the mastoid and hypotympanum, right
3. Schwannoma of the utricular division of the superior vestibular nerve, occult, right
4. Otitis media, acute, right



# Glomus Jugulari, R-281

**Title:** Glomus Jugulari, R-281

**Chapter:** Neoplasms

**Chapter Section:** Glomus Body Tumor,  
Primary Neoplasms, Sarcoma

**TB Case Number:** 380

**Gender:** Female

**Age (yrs.):** 81

**Otologic Diagnosis:**

1. Glomus body tumor, extensive, in the tympanic cavity, jugular bulb, and along the carotid sheath, right
2. Surgical defect in the mastoid and hypotympanum, right
3. Schwannoma of the utricular division of the superior vestibular nerve, occult, right
4. Otitis media, acute, right



# Glomus Jugulari, R-720

**Title:** Glomus Jugulari, R-720

**Chapter:** Neoplasms

**Chapter Section:** Glomus Body Tumor,  
Primary Neoplasms, Sarcoma

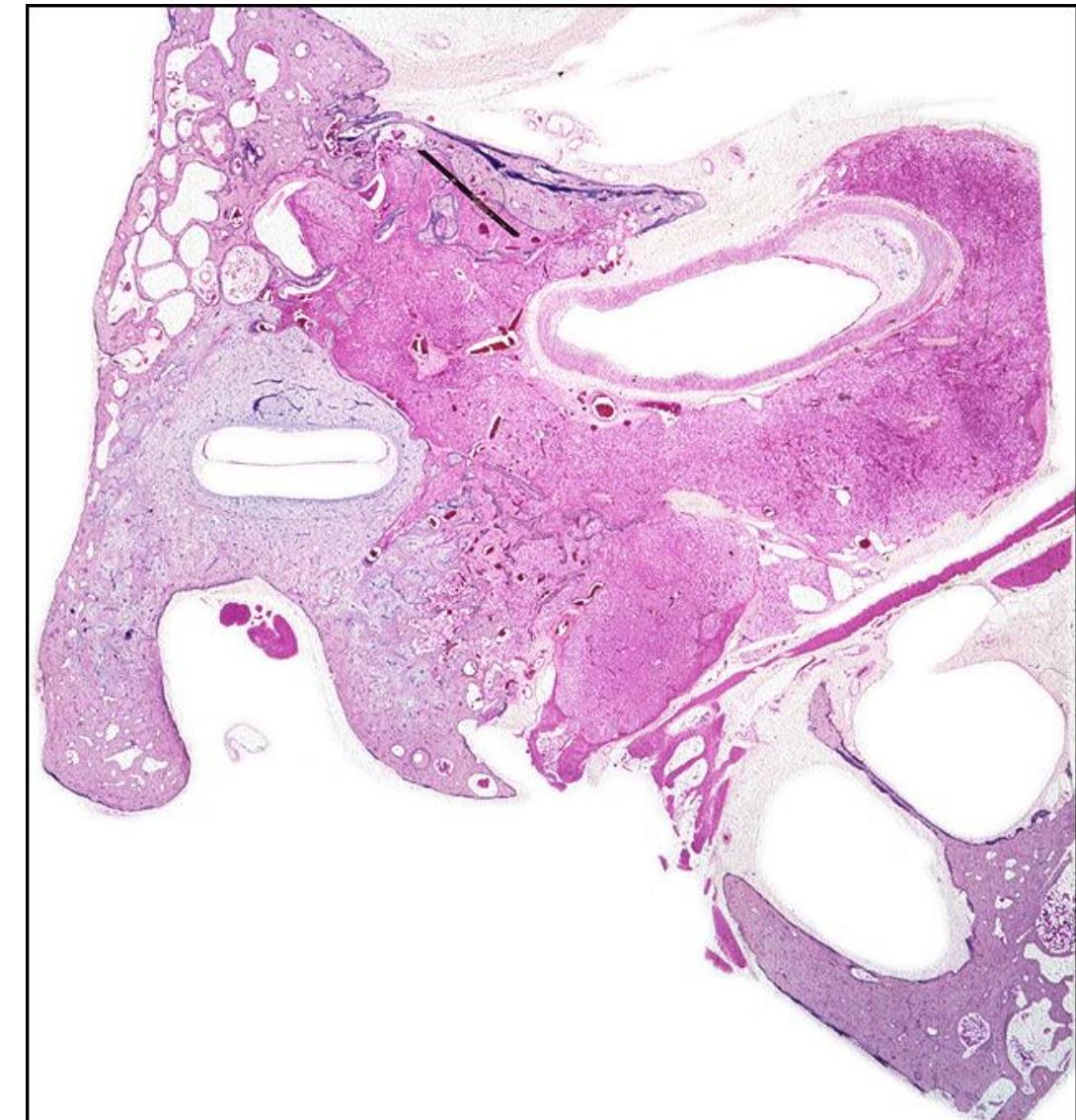
**TB Case Number:** 380

**Gender:** Female

**Age (yrs.):** 81

**Otologic Diagnosis:**

1. Glomus body tumor, extensive, in the tympanic cavity, jugular bulb, and along the carotid sheath, right
2. Surgical defect in the mastoid and hypotympanum, right
3. Schwannoma of the utricular division of the superior vestibular nerve, occult, right
4. Otitis media, acute, right



# Glomus Jugulari, R-170

**Title:** Glomus Jugulari, R-170

**Chapter:** Neoplasms

**Chapter Section:** Glomus Body Tumor,  
Primary Neoplasms, Sarcoma

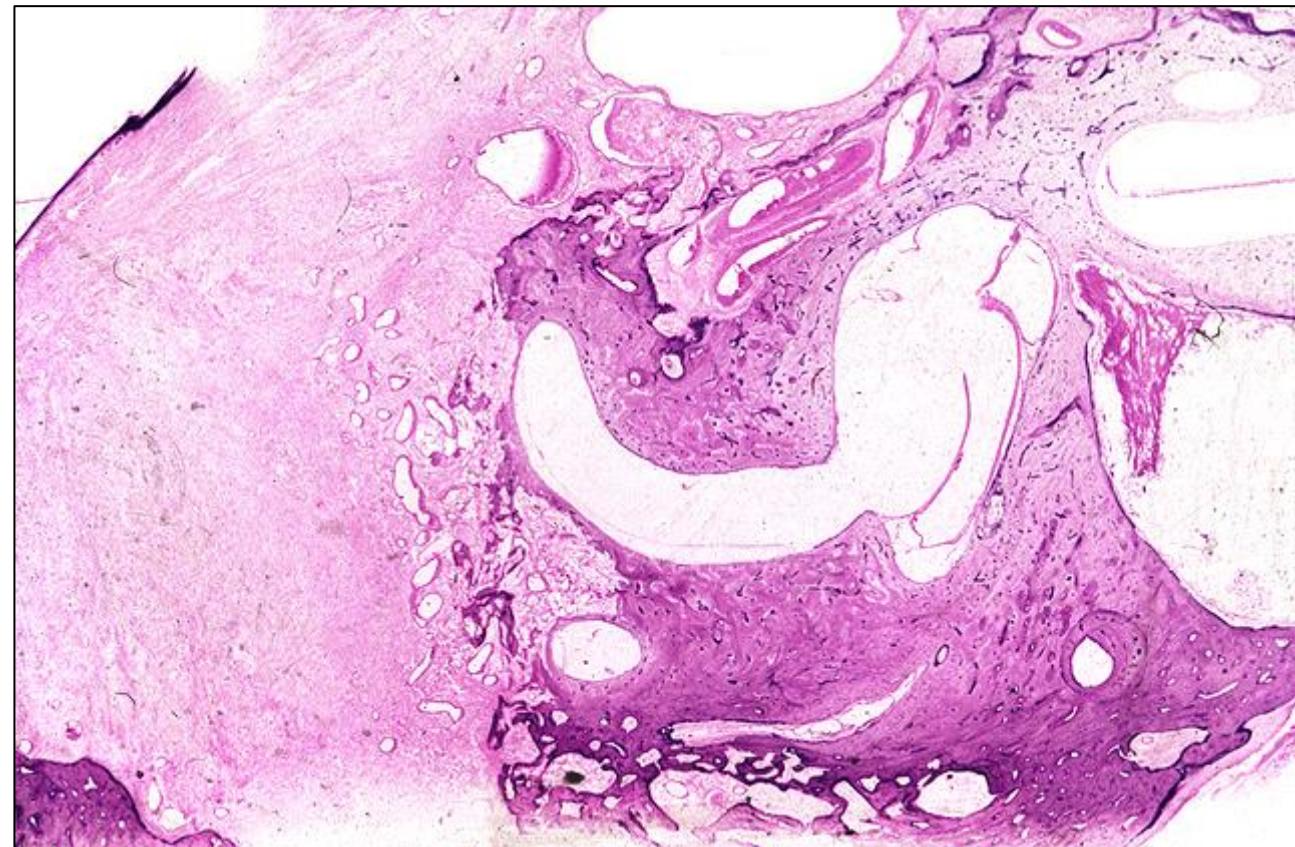
**TB Case Number:** 747

**Gender:** Female

**Age (yrs.):** 73

**Otologic Diagnosis:**

1. Glomus jugulare tumor, temporal bone, right
2. Mastoid, surgical defect, right
3. Radiation reaction of bone and fibrous tissue involving mastoid and the posterior part of the otic capsule, right
4. Spiral and annular ligaments, irradiation injury, right
5. Facial nerve, degeneration, presumably due to tumor destruction in its extratemporal course, right
6. Stylomastoid artery, anomaly, right



# Glomus Jugulari, R-391

**Title:** Glomus Jugulari, R-391

**Chapter:** Neoplasms

**Chapter Section:** Glomus Body Tumor,  
Primary Neoplasms, Sarcoma

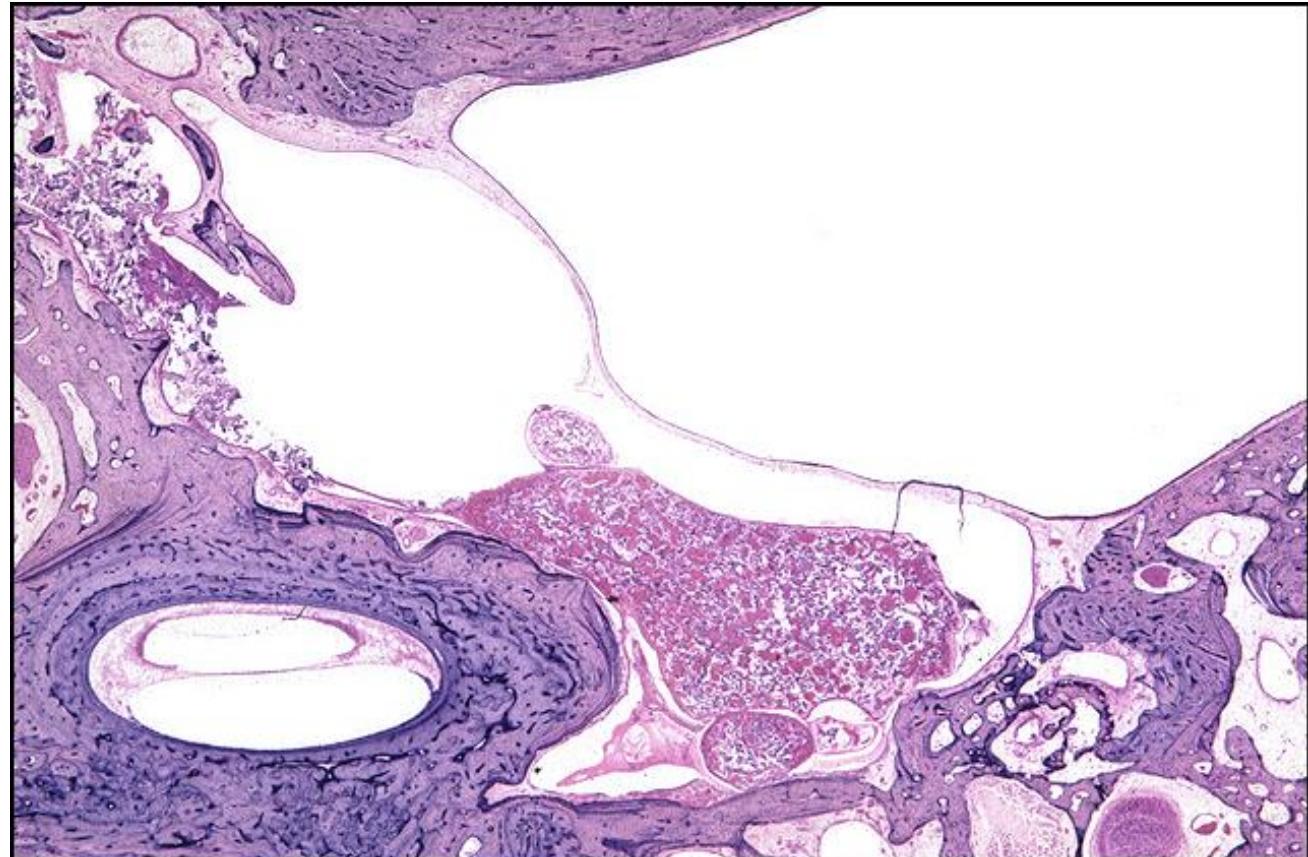
**TB Case Number:** 680

**Gender:** Male

**Age (yrs.):** 89

**Otologic Diagnosis:**

1. Fibroblastic meningioma of the left cerebellopontine angle
2. Degeneration of the cochlear and vestibular nerves and the motor division of the facial nerve secondary to meningioma
3. Chronic granulation polyp, hypotympanum, right



# Glomus Jugulari, R-391

**Title:** Glomus Jugulari, R-391

**Chapter:** Neoplasms

**Chapter Section:** Glomus Body Tumor, Primary  
Neoplasms, Sarcoma

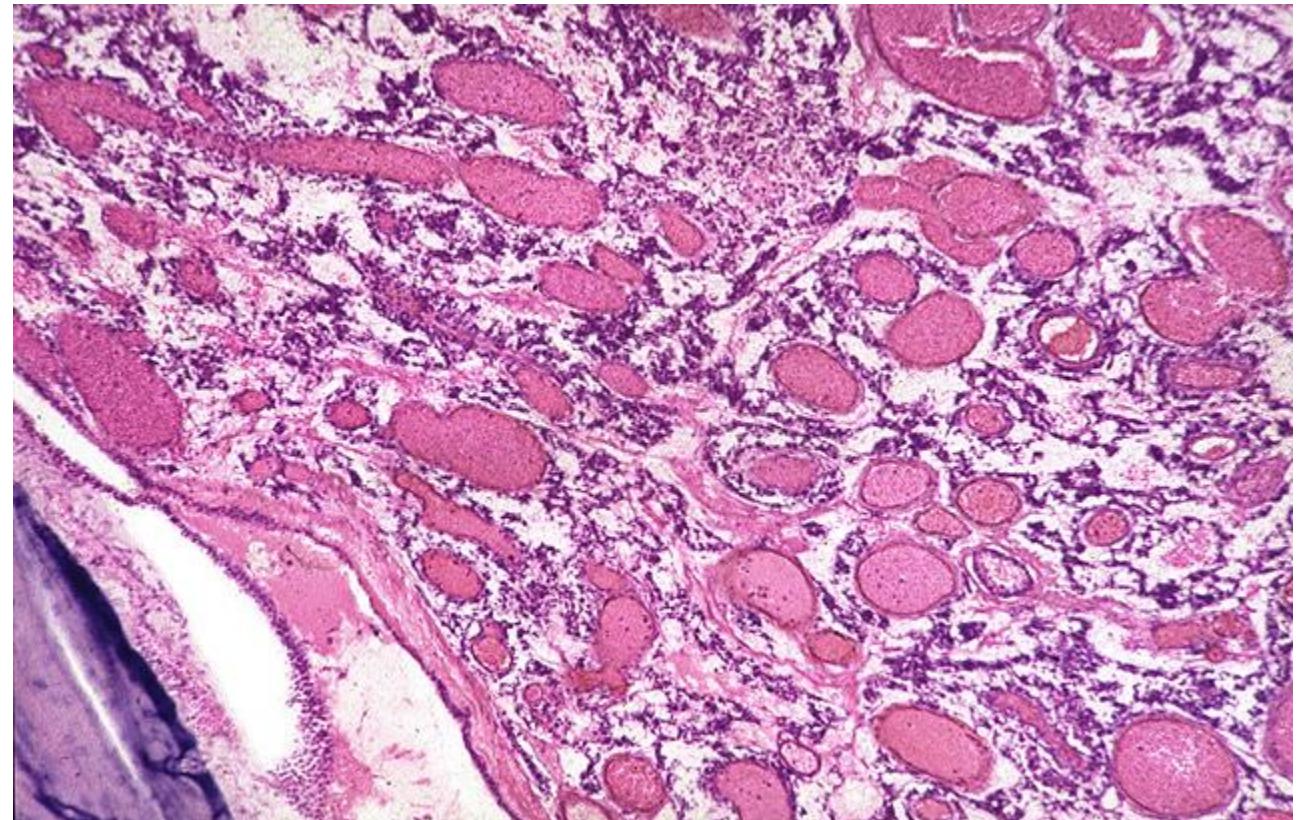
**TB Case Number:** 680

**Gender:** Male

**Age (yrs.):** 89

**Otologic Diagnosis:**

1. Fibroblastic meningioma of the left cerebellopontine angle
2. Degeneration of the cochlear and vestibular nerves and the motor division of the facial nerve secondary to meningioma
3. Chronic granulation polyp, hypotympanum, right



# Glomus Jugulari, R-391

**Title:** Glomus Jugulari, R-391

**Chapter:** Neoplasms

**Chapter Section:** Glomus Body Tumor,  
Primary Neoplasms, Sarcoma

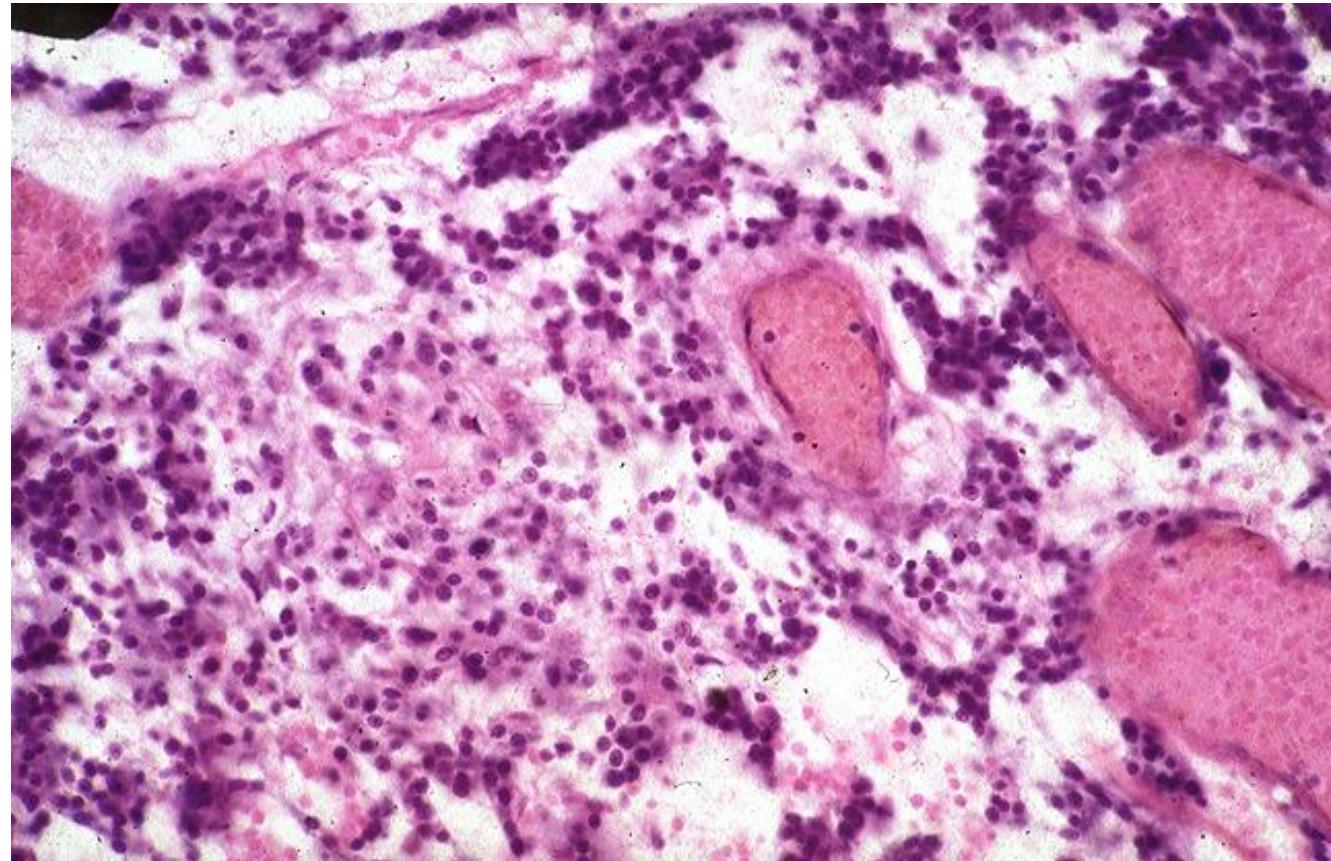
**TB Case Number:** 680

**Gender:** Male

**Age (yrs.):** 89

**Otologic Diagnosis:**

1. Fibroblastic meningioma of the left cerebellopontine angle
2. Degeneration of the cochlear and vestibular nerves and the motor division of the facial nerve secondary to meningioma
3. Chronic granulation polyp, hypotympanum, right



# Occult Schwannoma, R-261

**Title:** Occult Schwannoma, R-261

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

**TB Case Number:** 435

**Gender:** Male

**Age (yrs.):** 49

**Otologic Diagnosis:**

1. Schwannoma, occult, vestibular nerve, inferior division, right
2. Stria vascularis, atrophy, mild, bilateral



# Occult Schwannoma, R-261

**Title:** Occult Schwannoma, R-261

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

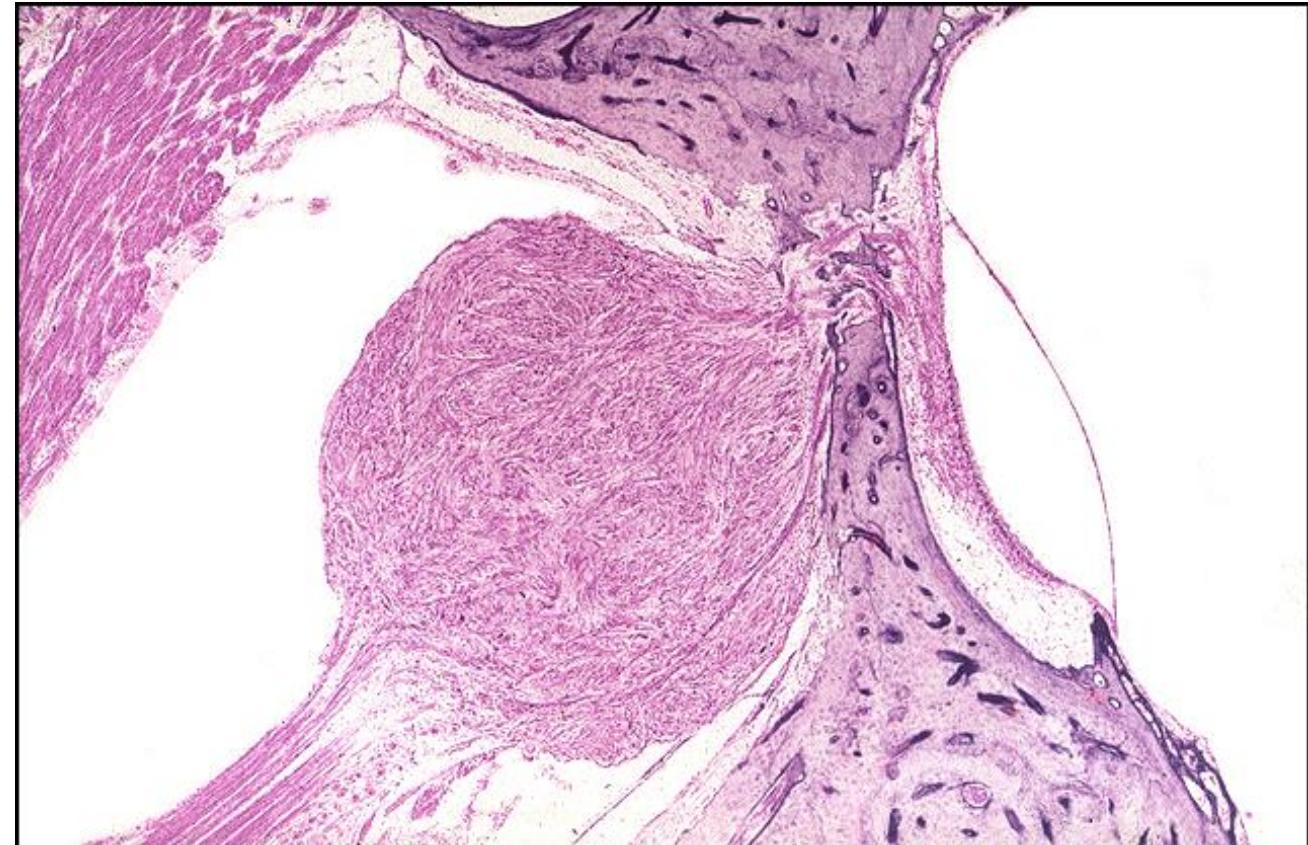
**TB Case Number:** 435

**Gender:** Male

**Age (yrs.):** 49

**Otologic Diagnosis:**

1. Schwannoma, occult, vestibular nerve, inferior division, right
2. Stria vascularis, atrophy, mild, bilateral



# Occult Schwannoma, R-130

**Title:** Occult Schwannoma, R-130

**Chapter:** Neoplasms

**Chapter Section:** Cochlear Schwannoma,  
Primary Neoplasms, Schwannoma

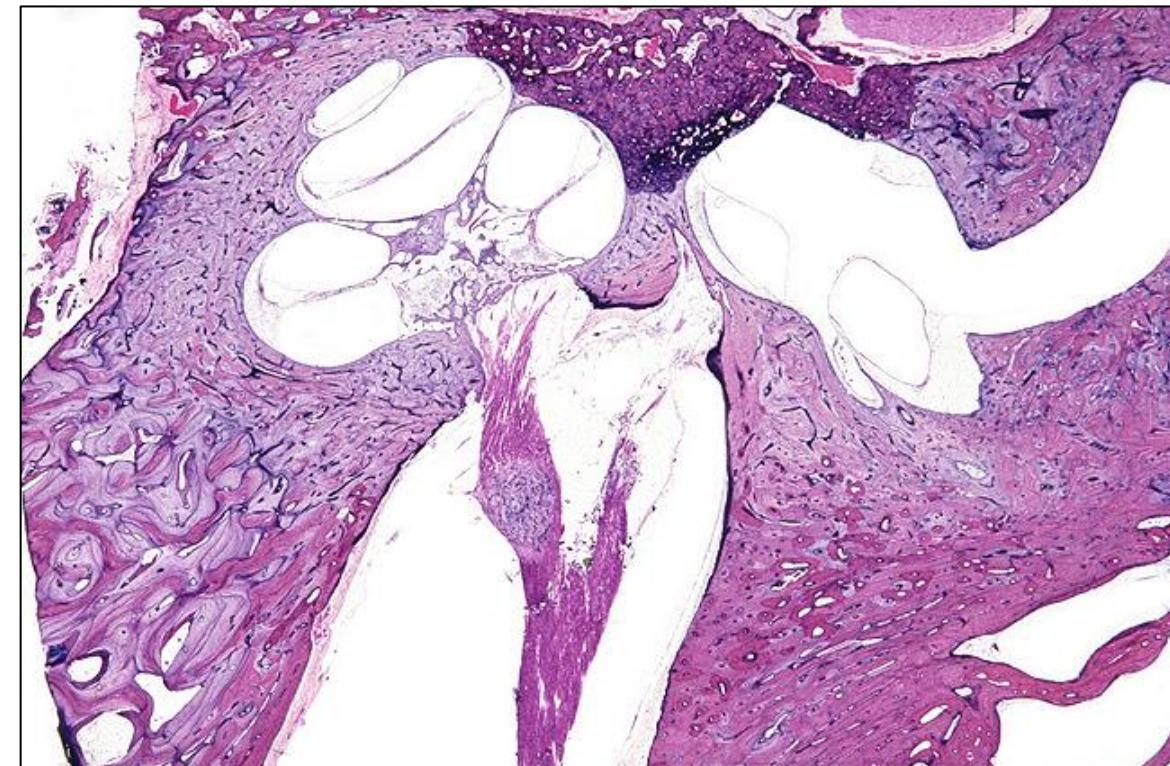
**TB Case Number:** 444

**Gender:** Male

**Age (yrs.):** 71

**Otologic Diagnosis:**

1. Otosclerosis, severe, with stapes fixation, right
2. Stapedectomy, partial
3. Gelfoam-wire prosthesis, removed, right
4. Membranous sheath, previously covering wire prosthesis in middle ear, right
5. Endolymphatic hydrops, focal, hook region of cochlea, right
6. Outer hair cell loss, basal and apical turns, right
7. Stria vascularis, atrophy, moderately severe, all turns, right
8. Cochlear neurons, atrophy, basal turn, right
9. Schwannoma, cochlear nerve, right



# Occult Schwannoma, L-231

**Title:** Occult Schwannoma, L-231

**Chapter:** Neoplasms

**Chapter Section:** Primary Neoplasms, Schwannoma

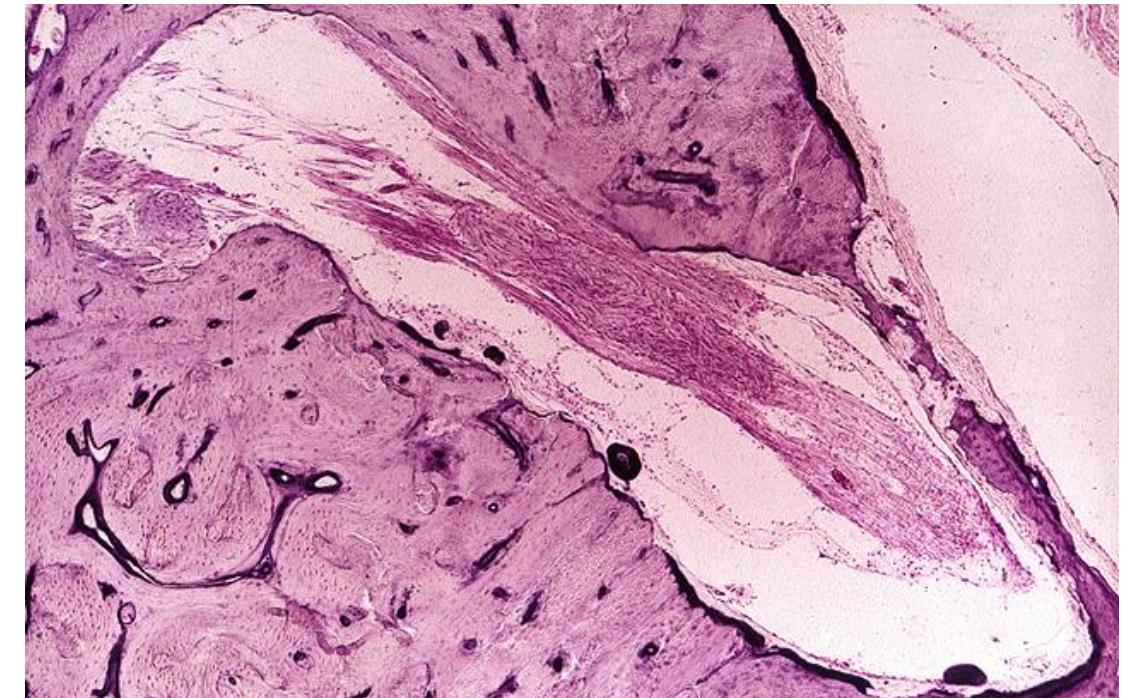
**TB Case Number:** 250

**Gender:** Male

**Age (yrs.):** 80

**Otologic Diagnosis:**

1. Osteoradionecrosis, temporal bone, left
2. Bony labyrinth, resorption osteitis, in osteoradionecrosis, left
3. Tympanomastoiditis, severe, complicating osteoradionecrosis, left
4. Fistula, external canal to mastoid, left
5. Cholesteatoma, mastoid, complicating osteoradionecrosis, left
6. Osteomyelitis, temporal bone, complicating osteoradionecrosis, left
7. Stapes, annular ligament, focal atrophy, complicating osteoradionecrosis, left
8. Schwannoma, occult, small, posterior ampullary nerve, left



# Occult Schwannoma, L-231

**Title:** Occult Schwannoma, L-231

**Chapter:** Neoplasms

**Chapter Section:** Primary Neoplasms, Schwannoma

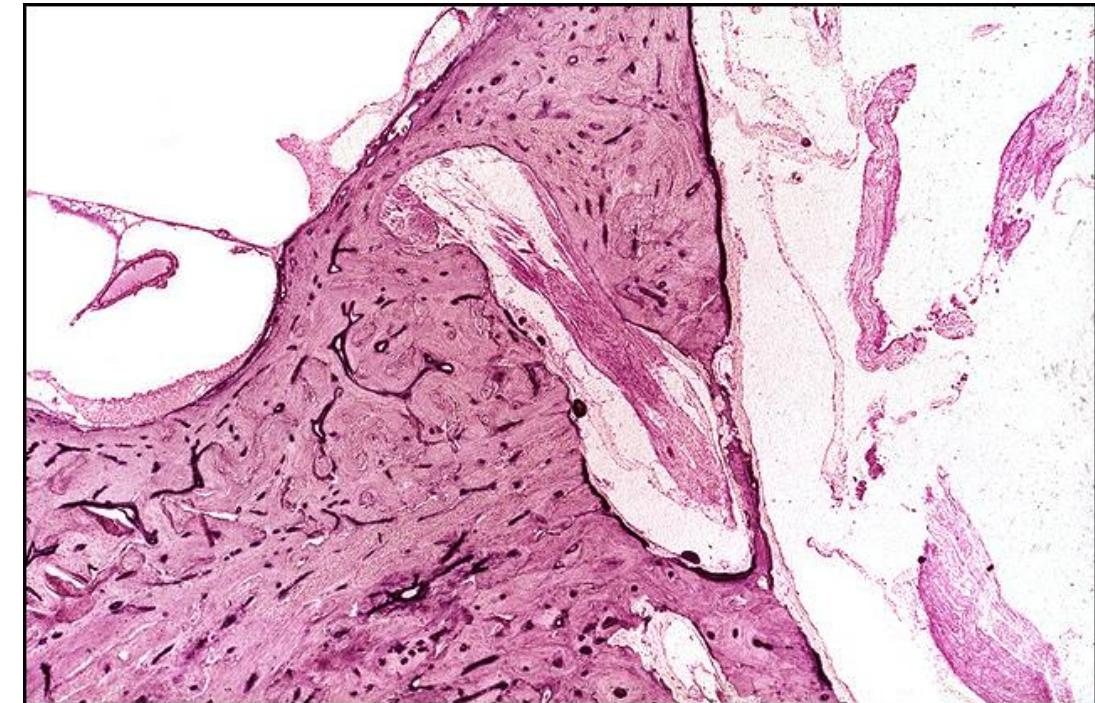
**TB Case Number:** 250

**Gender:** Male

**Age (yrs.):** 80

**Otologic Diagnosis:**

1. Osteoradionecrosis, temporal bone, left
2. Bony labyrinth, resorption osteitis, in osteoradionecrosis, left
3. Tympanomastoiditis, severe, complicating osteoradionecrosis, left
4. Fistula, external canal to mastoid, left
5. Cholesteatoma, mastoid, complicating osteoradionecrosis, left
6. Osteomyelitis, temporal bone, complicating osteoradionecrosis, left
7. Stapes, annular ligament, focal atrophy, complicating osteoradionecrosis, left
8. Schwannoma, occult, small, posterior ampullary nerve, left



# Occult Schwannoma, R-110

**Title:** Occult Schwannoma, R-110

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

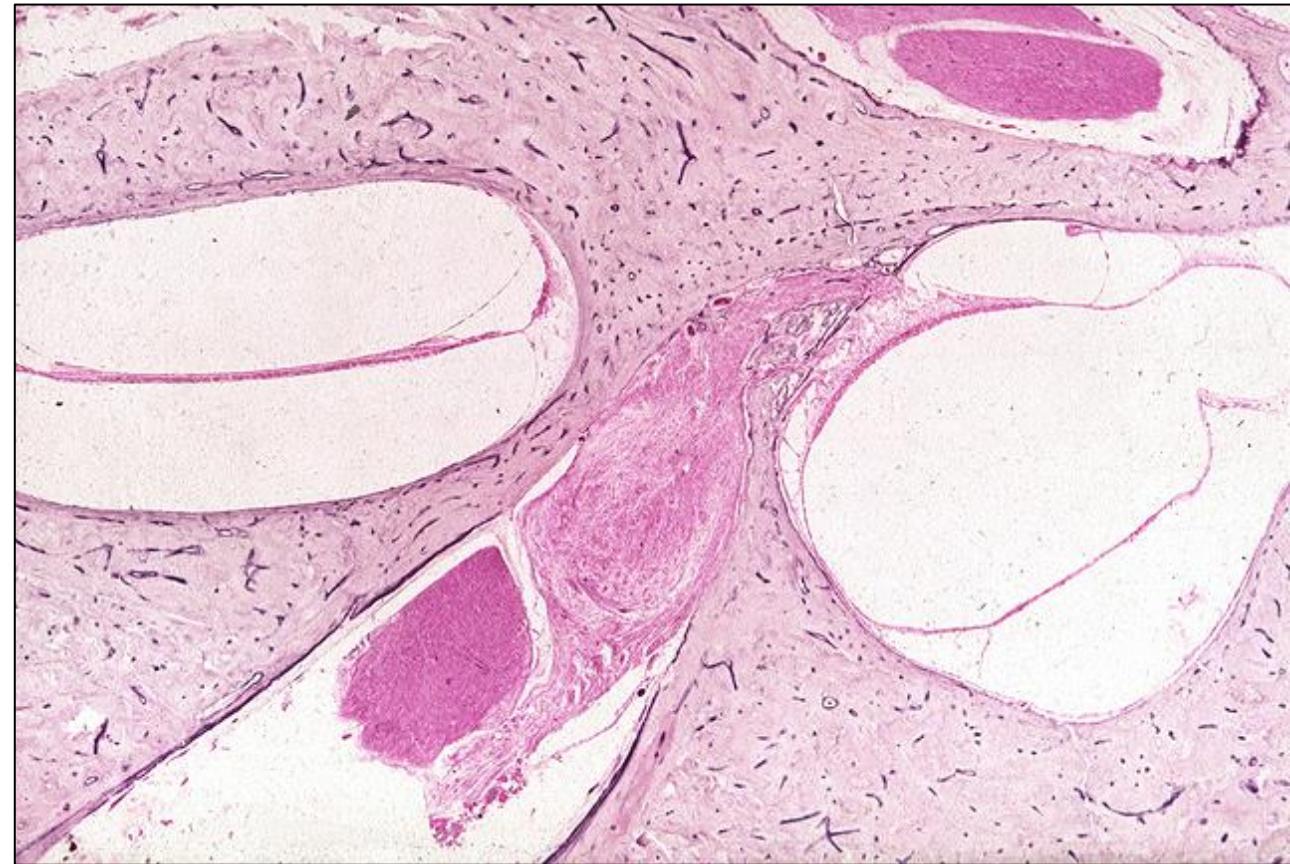
**TB Case Number:** 210

**Gender:** Male

**Age (yrs.):** 84

**Otologic Diagnosis:**

1. Otosclerosis, clinical, bilateral
2. Tympanotomy, aborted stapedectomy, right
3. Stapes footplate, otosclerosis, focal in footplate, bilateral
4. Acoustic trauma, mild, bilateral
5. Organ of Corti, atrophy, basal end, moderate, bilateral
6. Schwannoma, occult, superior division vestibular nerve, right



# Occult Schwannoma, Facial Nerve, R-250

**Title:** Occult Schwannoma, Facial Nerve, R-250

**Chapter:** Neoplasms

**Chapter Section:** Facial nerve neoplasms, Primary Neoplasms

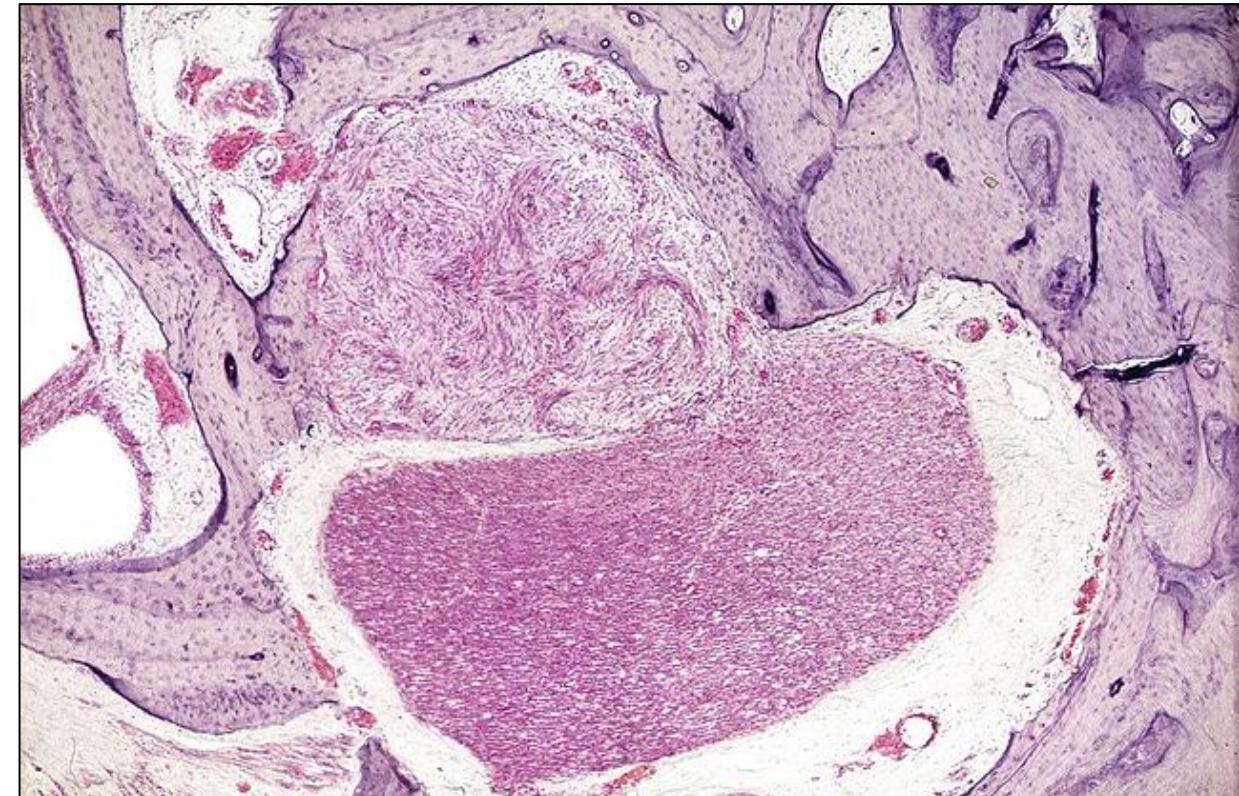
**TB Case Number:** 300

**Gender:** Male

**Age (yrs.):** 62

**Otologic Diagnosis:**

1. Cochlear implant, internal auditory canal, right
2. Ototoxicity, neomycin, right
3. Organ of Corti, hair cells, degeneration, total, right
4. Neurons, vestibular, normal, right
5. Granuloma, foreign body, mild, cochlear implant, right
6. Endolymphatic hydrops, cochleovestibular, traumatic, surgical, cochlear implant, right
7. Neuron, cochlear, degeneration, mild, right
8. Facial nerve, trauma, surgical, mild, right
9. Schwannoma, occult, facial nerve, right



# Schwannoma, L-360

**Title:** Schwannoma, L-360

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma,  
Primary Neoplasms, Schwannoma

**TB Case Number:** 178

**Gender:** Female

**Age (yrs.):** 56

**Otologic Diagnosis:**

1. Vestibular schwannoma, status three days postsurgical, cerebellopontine angle, left
2. Organ of Corti, atrophy, focal, 13- to 20-mm region, vestibular schwannoma, left
3. Membranous labyrinth, normal
4. Osteogenesis, perilymphatic space, posterior semicircular canal, bilateral



# Schwannoma, L-360

**Title:** Schwannoma, L-360

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

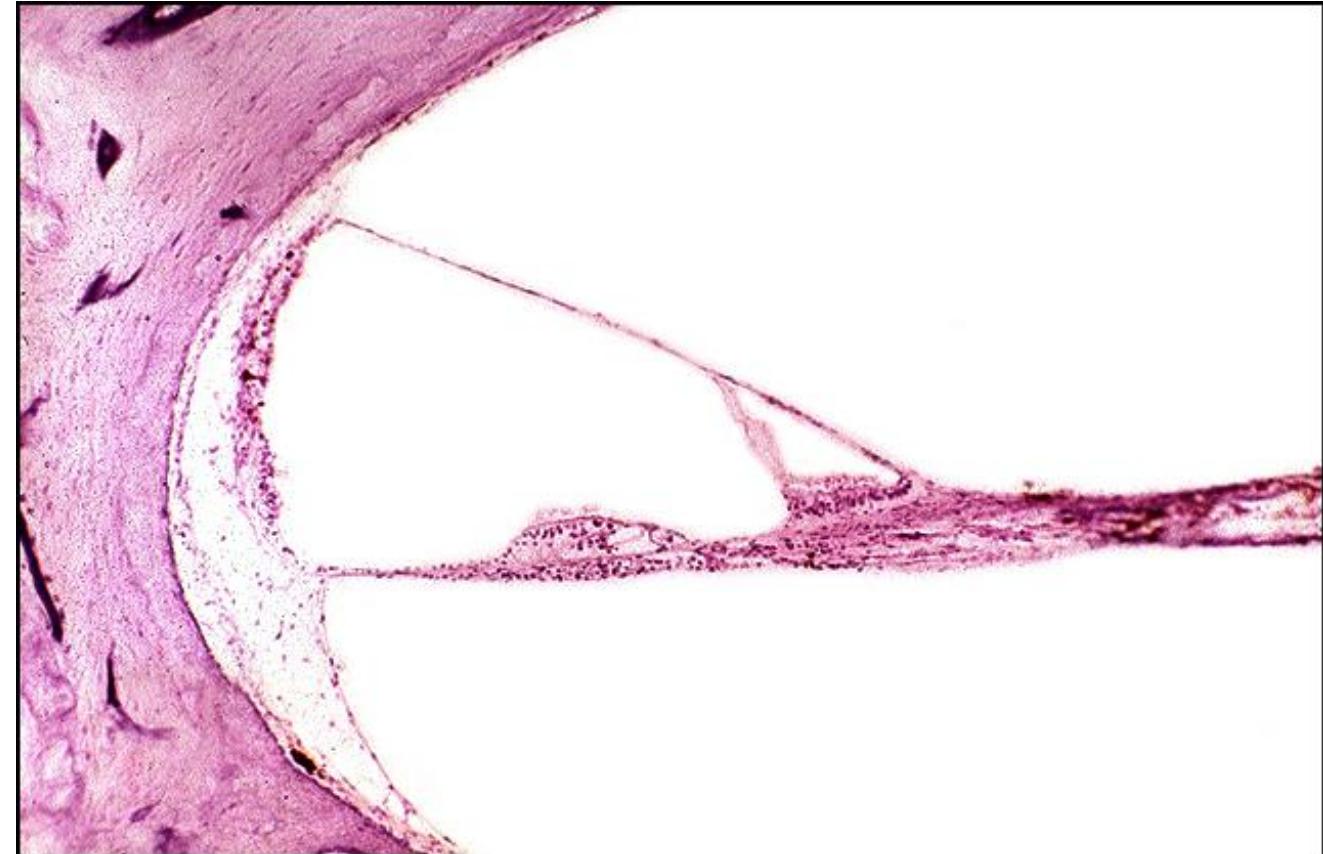
**TB Case Number:** 178

**Gender:** Female

**Age (yrs.):** 56

**Otologic Diagnosis:**

1. Vestibular schwannoma, status three days postsurgical, cerebellopontine angle, left
2. Organ of Corti, atrophy, focal, 13- to 20-mm region, vestibular schwannoma, left
3. Membranous labyrinth, normal
4. Osteogenesis, perilymphatic space, posterior semicircular canal, bilateral



# Schwannoma, L-362

**Title:** Schwannoma, L-362

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

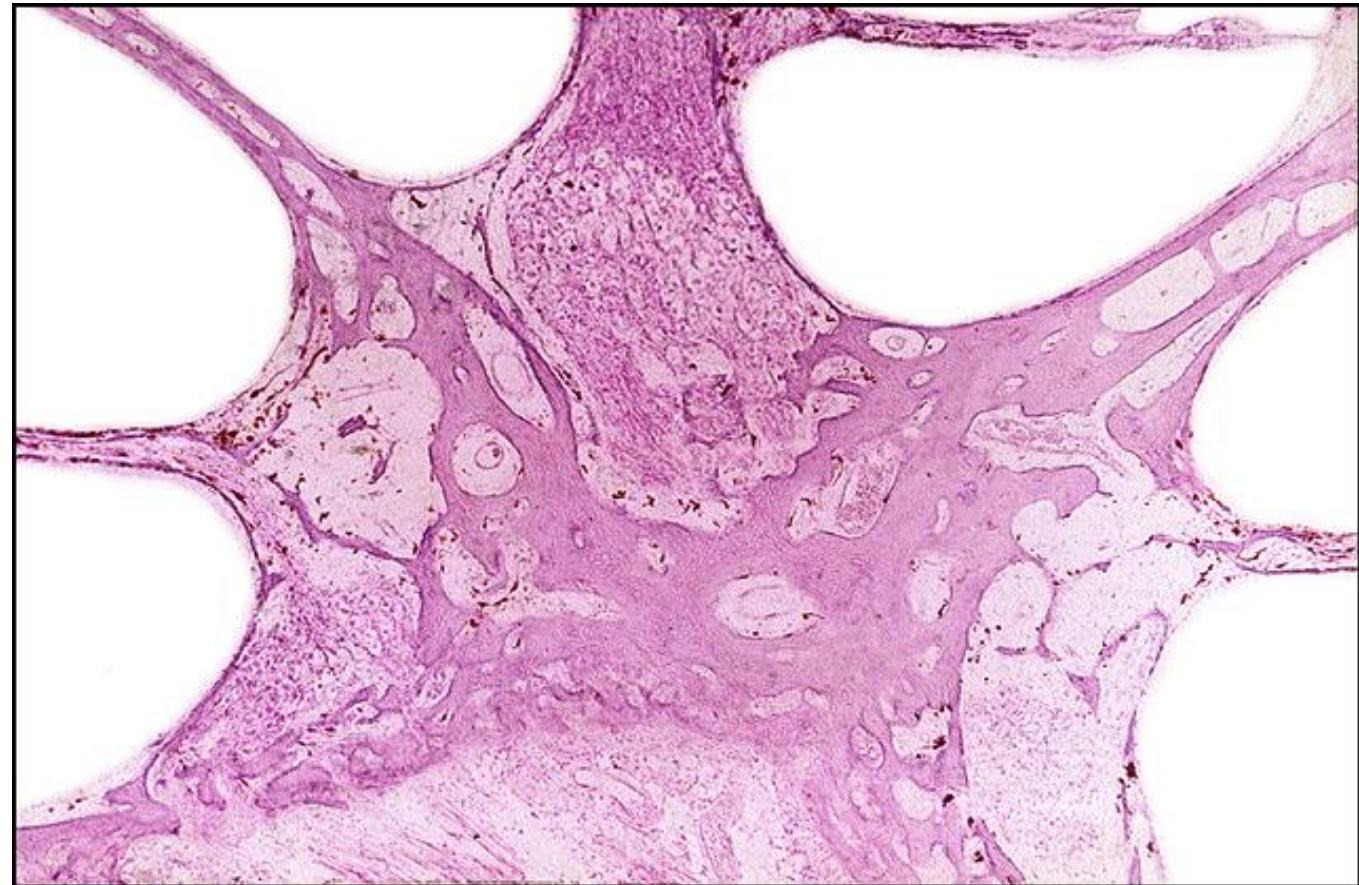
**TB Case Number:** 178

**Gender:** Female

**Age (yrs.):** 56

**Otologic Diagnosis:**

1. Vestibular schwannoma, status three days postsurgical, cerebellopontine angle, left
2. Organ of Corti, atrophy, focal, 13- to 20-mm region, vestibular schwannoma, left
3. Membranous labyrinth, normal
4. Osteogenesis, perilymphatic space, posterior semicircular canal, bilateral



# Schwannoma, L-362

**Title:** Schwannoma, L-362

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

**TB Case Number:** 178

**Gender:** Female

**Age (yrs.):** 56

**Otologic Diagnosis:**

1. Vestibular schwannoma, status three days postsurgical, cerebellopontine angle, left
2. Organ of Corti, atrophy, focal, 13- to 20-mm region, vestibular schwannoma, left
3. Membranous labyrinth, normal
4. Osteogenesis, perilymphatic space, posterior semicircular canal, bilateral



# Schwannoma, L-362

**Title:** Schwannoma, L-362

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

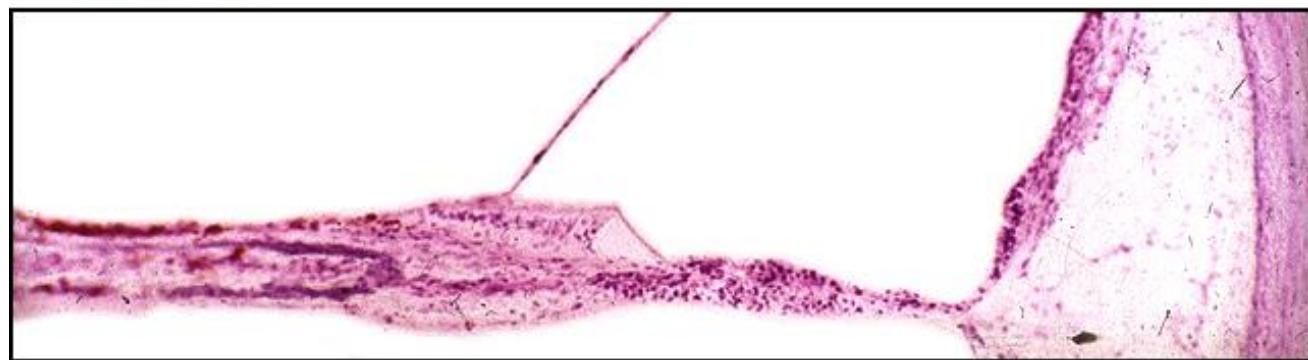
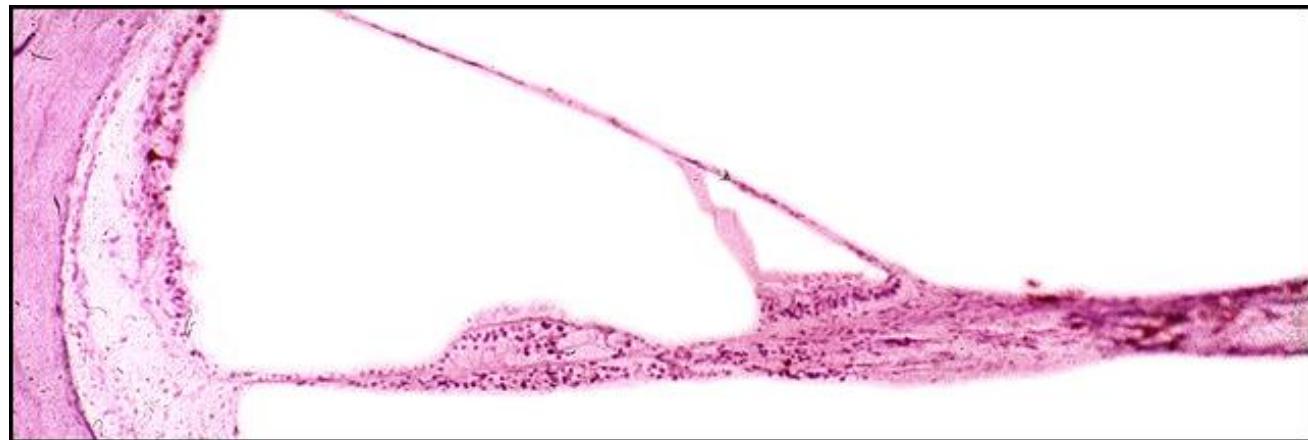
**TB Case Number:** 178

**Gender:** Female

**Age (yrs.):** 56

**Otologic Diagnosis:**

1. Vestibular schwannoma, status three days postsurgical, cerebellopontine angle, left
2. Organ of Corti, atrophy, focal, 13- to 20-mm region, vestibular schwannoma, left
3. Membranous labyrinth, normal
4. Osteogenesis, perilymphatic space, posterior semicircular canal, bilateral



# Schwannoma, R-106

**Title:** Schwannoma, R-106

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

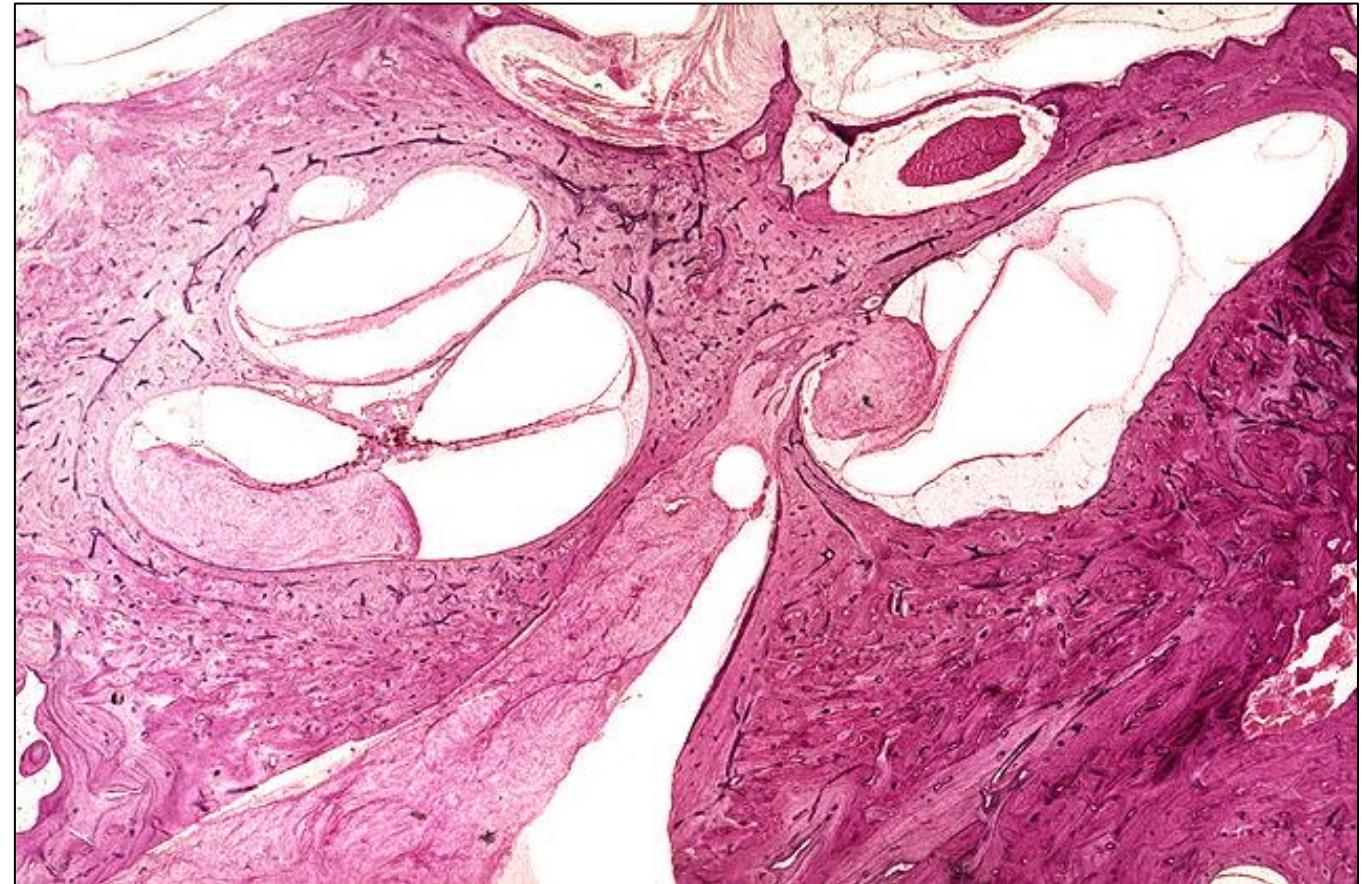
**TB Case Number:** 527

**Gender:** Male

**Age (yrs.):** 5

**Otologic Diagnosis:**

1. Neuronal degeneration, cochlear, partial, secondary to neoplasm of the brain stem, right
2. Facial nerve tracts, probable supranuclear involvement, right



# Schwannoma, R-202

**Title:** Schwannoma, R-202

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

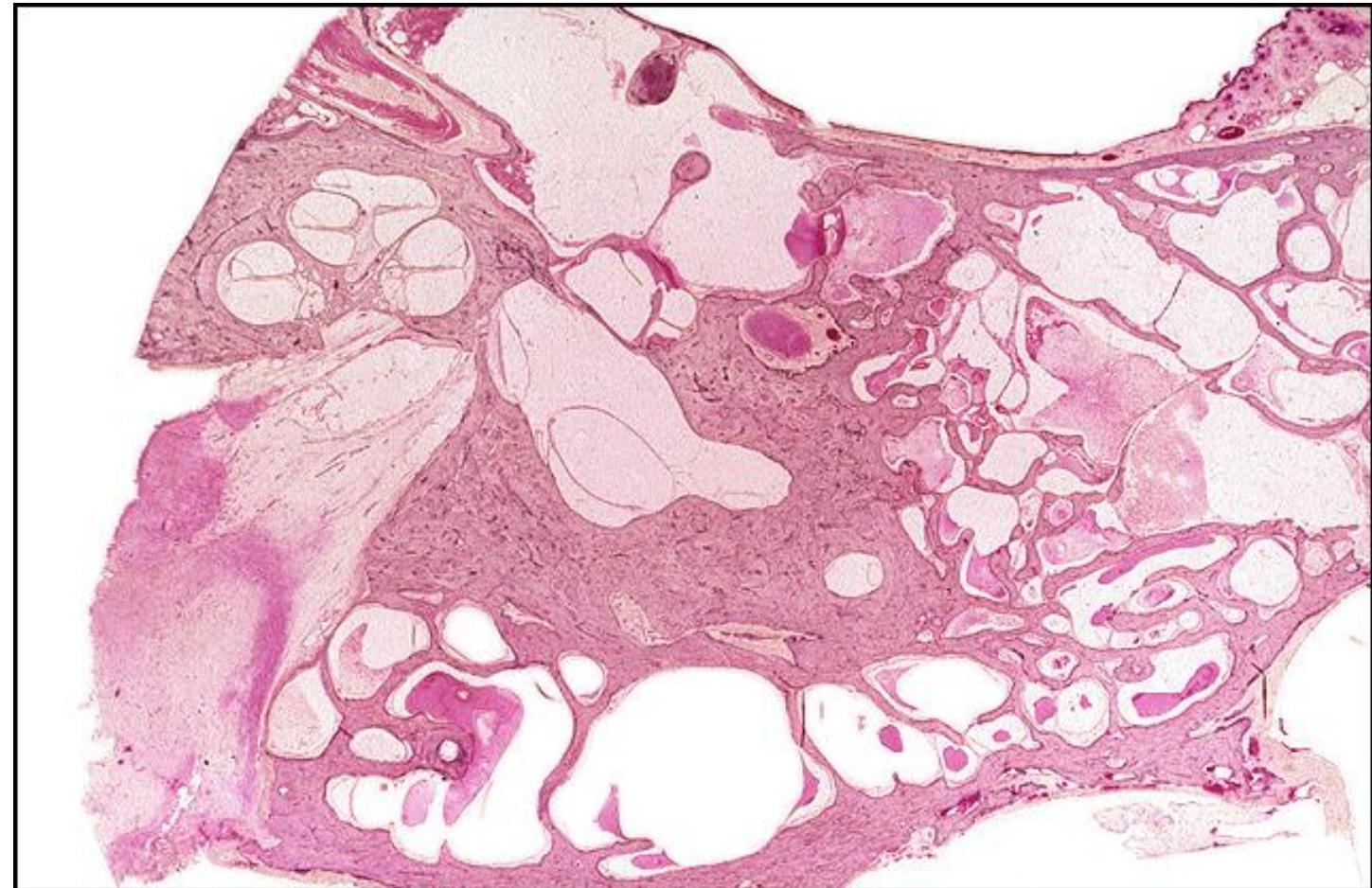
**TB Case Number:** 620

**Gender:** Male

**Age (yrs.):** 74

**Otologic Diagnosis:**

Vestibular schwannoma



# Schwannoma, R-211

**Title:** Schwannoma, R-211

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

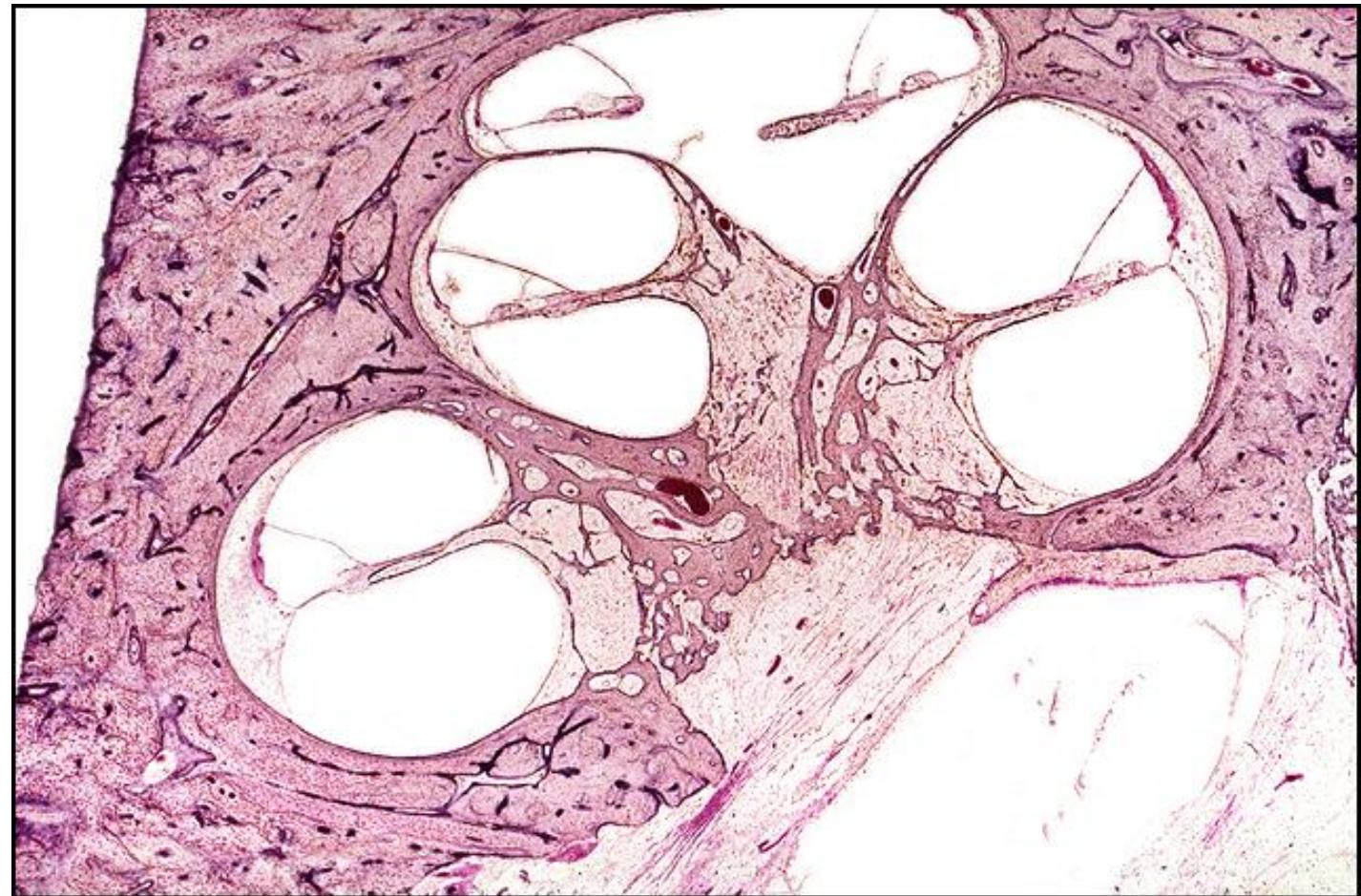
**TB Case Number:** 620

**Gender:** Male

**Age (yrs.):** 74

**Otologic Diagnosis:**

Vestibular schwannoma



# Schwannoma, R-211

**Title:** Schwannoma, R-211

**Chapter:** Neoplasms

**Chapter Section:** R-181 Schwannoma

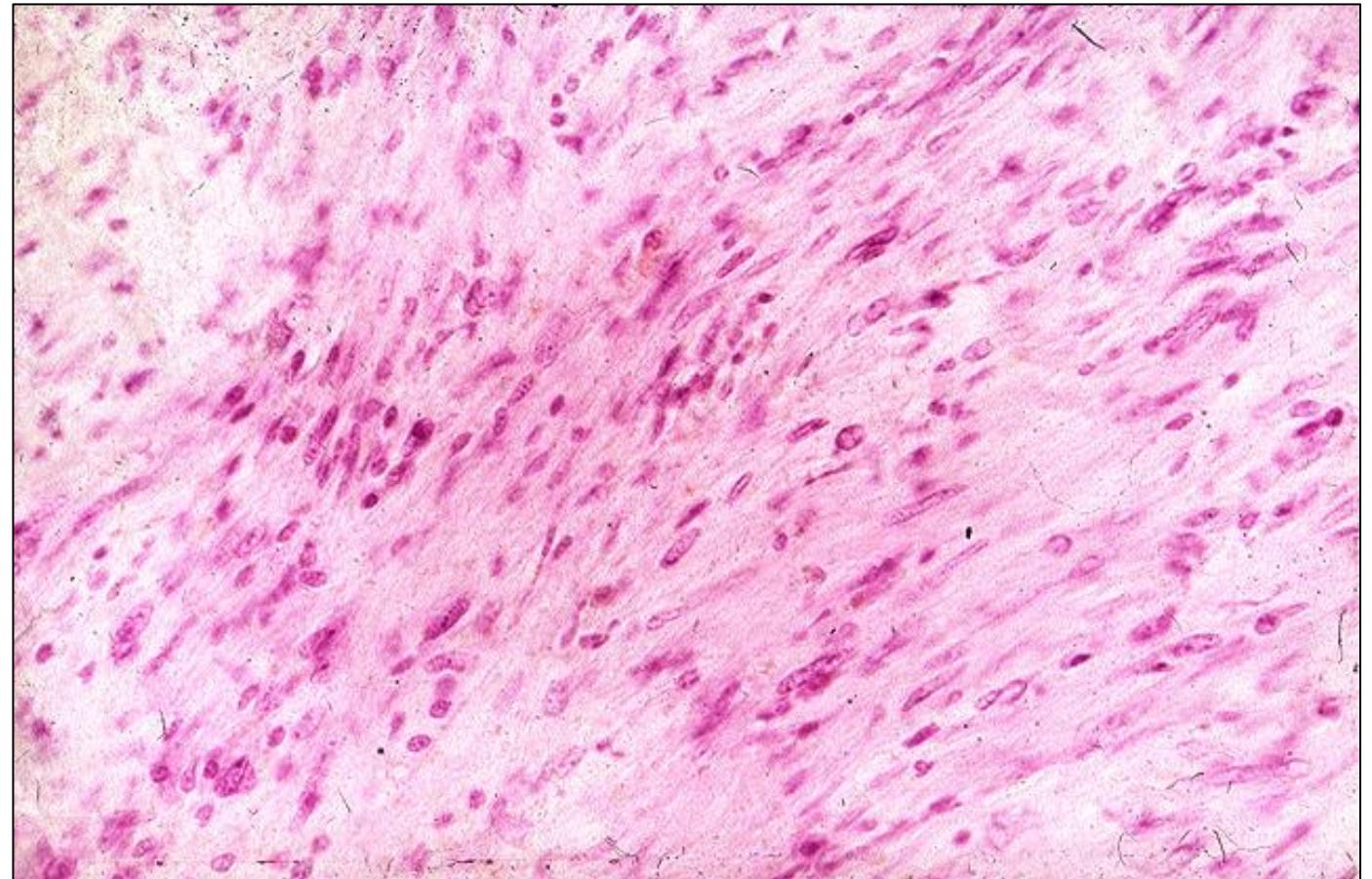
**TB Case Number:** 620

**Gender:** Male

**Age (yrs.):** 74

**Otologic Diagnosis:**

Vestibular schwannoma



# Schwannoma, L-60

**Title:** Schwannoma, L-60

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma,  
Primary Neoplasms, Schwannoma

**TB Case Number:** 155

**Gender:** Male

**Age (yrs.):** 81

**Otologic Diagnosis:**

1. Schwannoma, vestibular, large, superior division, left
2. Organ of Corti, partial atrophy, vestibular schwannoma, left
3. Vestibular labyrinth, partial atrophy, vestibular schwannoma, left
4. Facial nerve, compression, vestibular schwannoma, left
5. Sensorineural hearing loss, by history, vestibular schwannoma, left
6. Sensorineural hearing loss, by history, cause unknown, right
7. Presbycusis, strial, moderate



# Schwannoma, L-59

**Title:** Schwannoma, L-59

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma,  
Primary Neoplasms, Schwannoma

**TB Case Number:** 155

**Gender:** Male

**Age (yrs.):** 81

**Otologic Diagnosis:**

1. Schwannoma, vestibular, large, superior division, left
2. Organ of Corti, partial atrophy, vestibular schwannoma, left
3. Vestibular labyrinth, partial atrophy, vestibular schwannoma, left
4. Facial nerve, compression, vestibular schwannoma, left
5. Sensorineural hearing loss, by history, vestibular schwannoma, left
6. Sensorineural hearing loss, by history, cause unknown, right
7. Presbycusis, strial, moderate



# Schwannoma, L-210

**Title:** Schwannoma, L-210

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma,  
Primary Neoplasms, Schwannoma

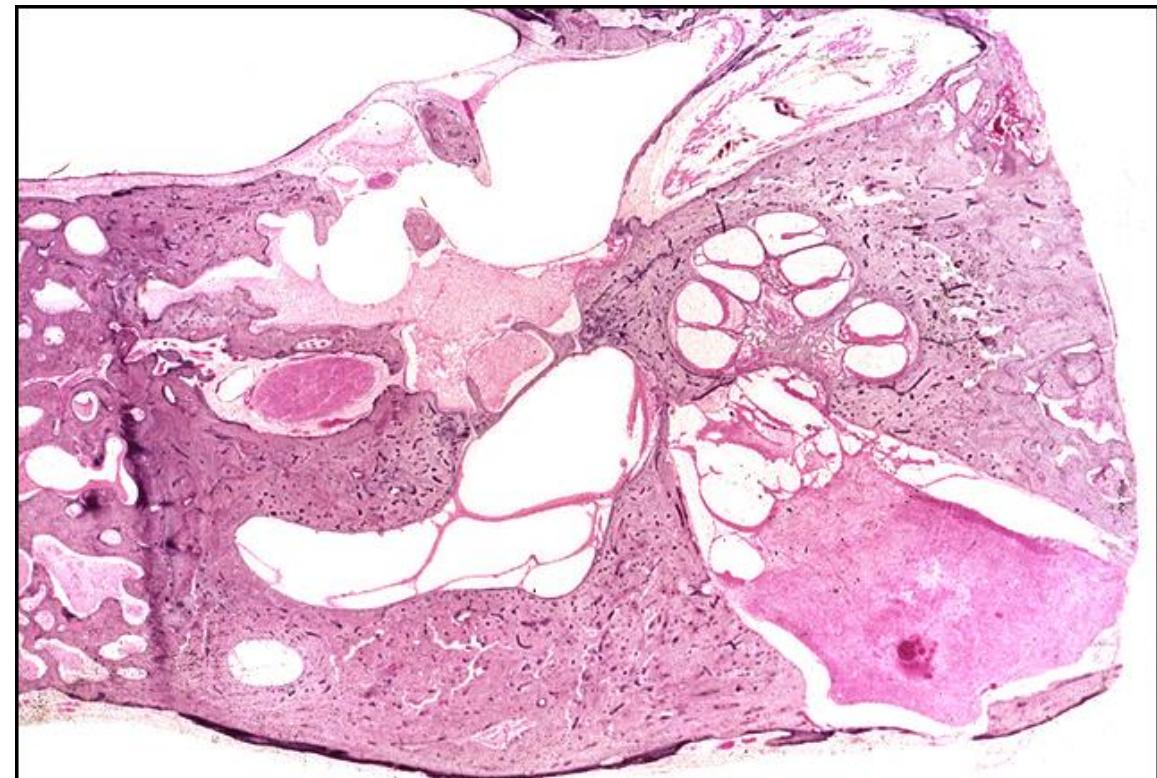
**TB Case Number:** 155

**Gender:** Male

**Age (yrs.):** 81

**Otologic Diagnosis:**

1. Schwannoma, vestibular, large, superior division, left
2. Organ of Corti, partial atrophy, vestibular schwannoma, left
3. Vestibular labyrinth, partial atrophy, vestibular schwannoma, left
4. Facial nerve, compression, vestibular schwannoma, left
5. Sensorineural hearing loss, by history, vestibular schwannoma, left
6. Sensorineural hearing loss, by history, cause unknown, right
7. Presbycusis, strial, moderate



# Schwannoma, L-185

**Title:** Schwannoma, L-185

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma,  
Primary Neoplasms, Schwannoma

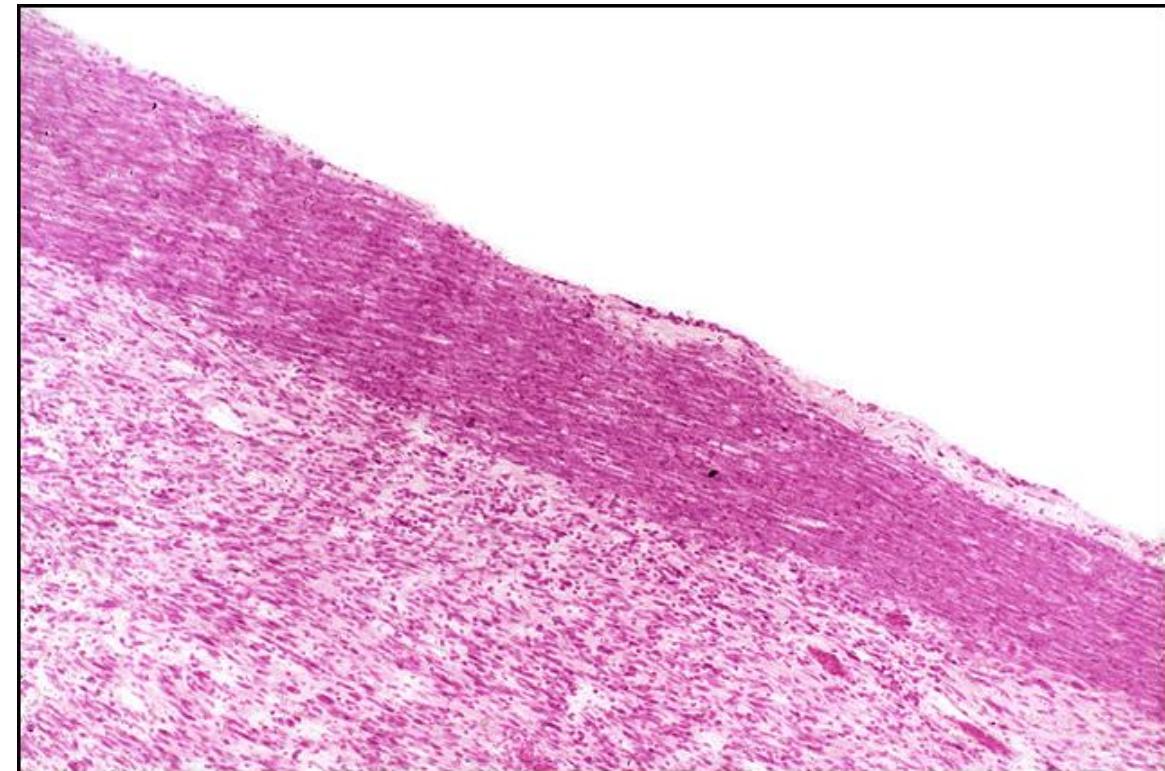
**TB Case Number:** 155

**Gender:** Male

**Age (yrs.):** 81

**Otologic Diagnosis:**

1. Schwannoma, vestibular, large, superior division, left
2. Organ of Corti, partial atrophy, vestibular schwannoma, left
3. Vestibular labyrinth, partial atrophy, vestibular schwannoma, left
4. Facial nerve, compression, vestibular schwannoma, left
5. Sensorineural hearing loss, by history, vestibular schwannoma, left
6. Sensorineural hearing loss, by history, cause unknown, right
7. Presbycusis, strial, moderate



# Malignant Schwannoma, R-178

**Title:** Malignant Schwannoma, R-178

**Chapter:** Neoplasms

**Chapter Section:** Malignant Schwannoma,  
Primary Neoplasms, Schwannoma

**TB Case Number:** 738

**Gender:** Female

**Age (yrs.):** 11

**Otologic Diagnosis:**

1. Schwannoma, malignant, temporal bone, right
2. Degeneration of the cochlear and vestibular nerves
3. Degeneration of the motor fibers of the facial nerve



# Malignant Schwannoma

**Title:** Malignant Schwannoma

**Chapter:** Neoplasms

**Chapter Section:** Malignant Schwannoma,  
Primary Neoplasms, Schwannoma

**TB Case Number:** 738

**Gender:** Female

**Age (yrs.):** 11

**Otologic Diagnosis:**

1. Schwannoma, malignant, temporal bone, right
2. Degeneration of the cochlear and vestibular nerves
3. Degeneration of the motor fibers of the facial nerve



# Malignant Schwannoma, R-225

**Title:** Malignant Schwannoma, R-225

**Chapter:** Neoplasms

**Chapter Section:** Malignant Schwannoma, Primary  
Neoplasms, Schwannoma

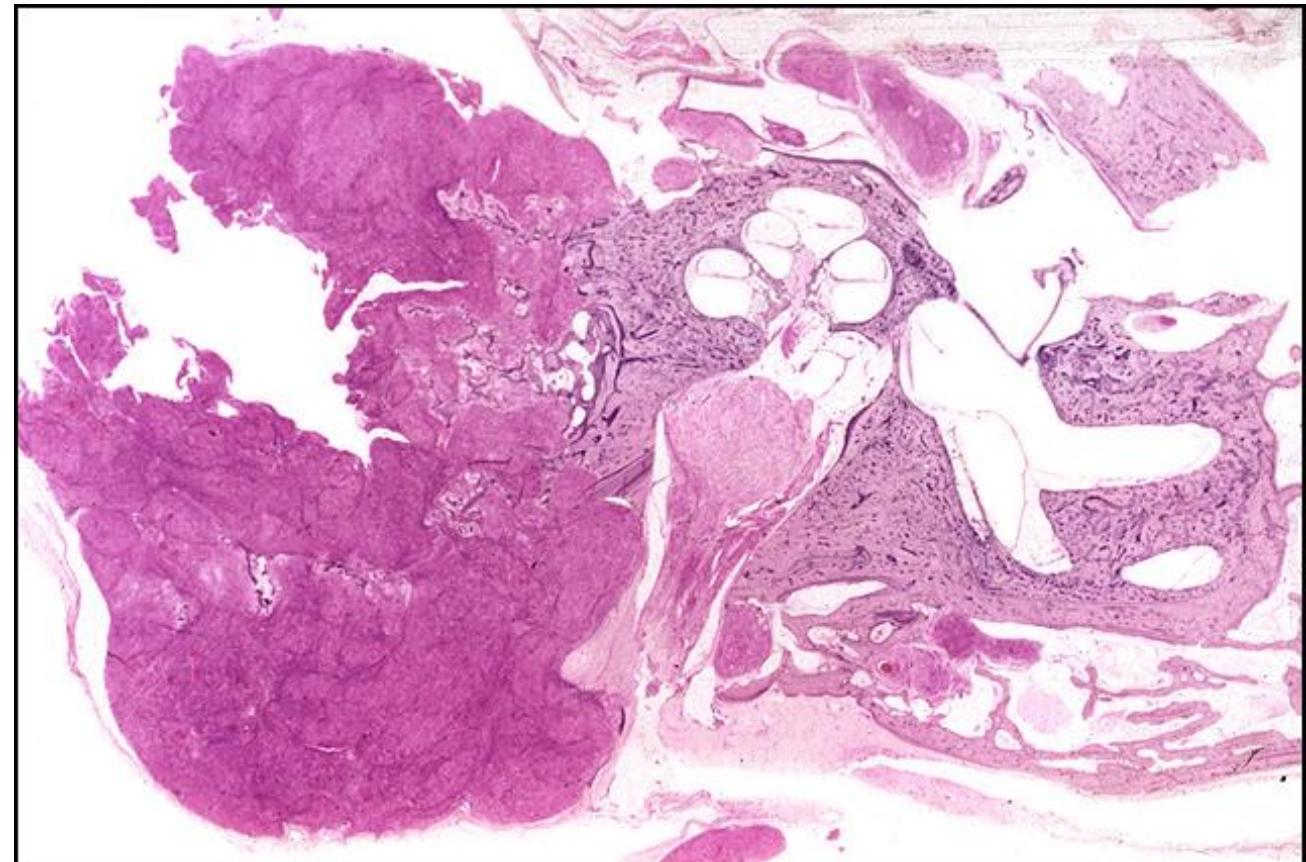
**TB Case Number:** 738

**Gender:** Female

**Age (yrs.):** 11

**Otologic Diagnosis:**

1. Schwannoma, malignant, temporal bone, right
2. Degeneration of the cochlear and vestibular nerves
3. Degeneration of the motor fibers of the facial nerve



# Malignant Schwannoma, R-225

**Title:** Malignant Schwannoma, R-225

**Chapter:** Neoplasms

**Chapter Section:** Malignant Schwannoma, Primary  
Neoplasms, Schwannoma

**TB Case Number:** 738

**Gender:** Female

**Age (yrs.):** 11

**Otologic Diagnosis:**

1. Schwannoma, malignant, temporal bone, right
2. Degeneration of the cochlear and vestibular nerves
3. Degeneration of the motor fibers of the facial nerve



# Malignant Schwannoma, R-225

**Title:** Malignant Schwannoma, R-225

**Chapter:** Neoplasms

**Chapter Section:** Malignant Schwannoma, Primary  
Neoplasms, Schwannoma

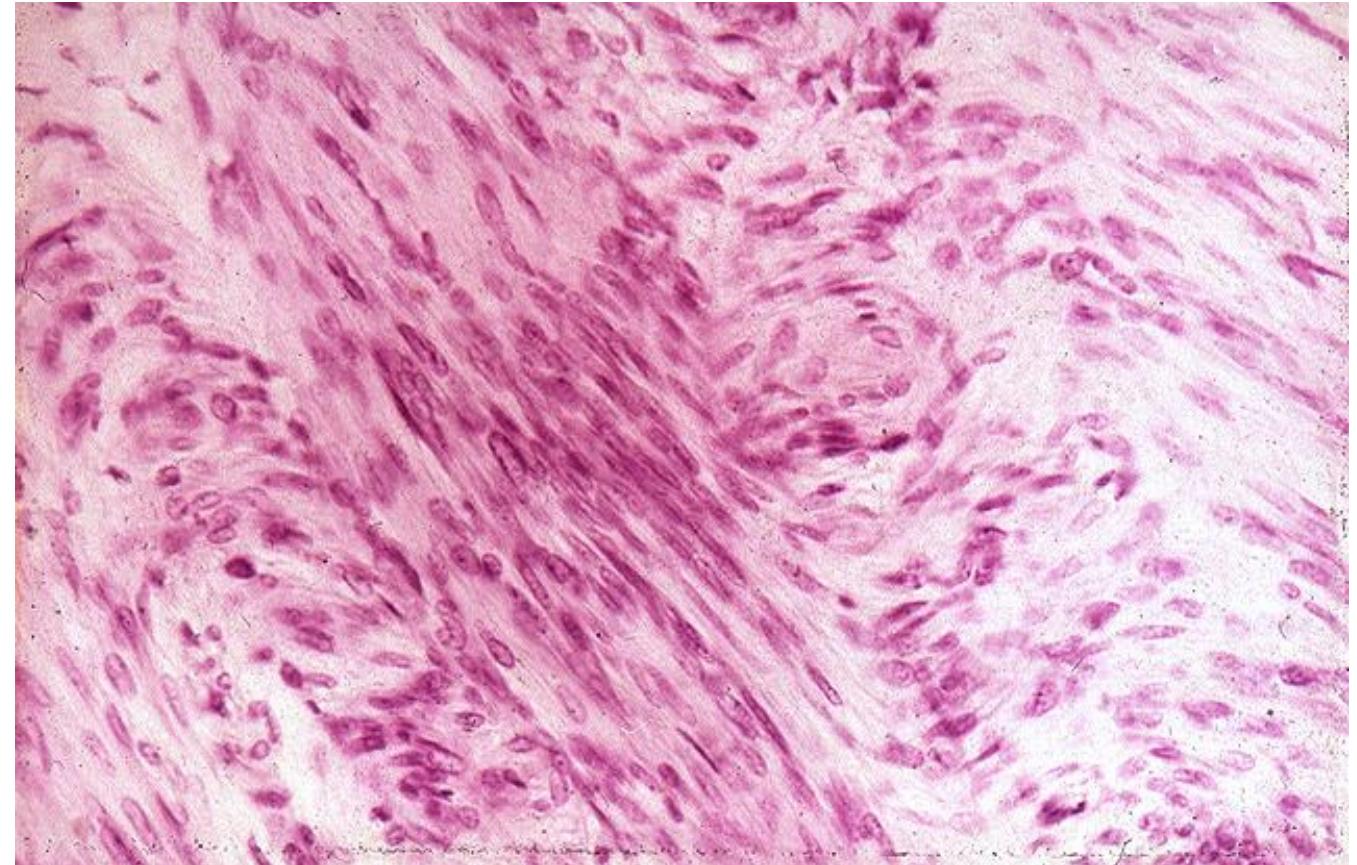
**TB Case Number:** 738

**Gender:** Female

**Age (yrs.):** 11

**Otologic Diagnosis:**

1. Schwannoma, malignant, temporal bone, right
2. Degeneration of the cochlear and vestibular nerves
3. Degeneration of the motor fibers of the facial nerve



# Malignant Schwannoma, R-225

**Title:** Malignant Schwannoma, R-225

**Chapter:** Neoplasms

**Chapter Section:** Malignant Schwannoma,  
Primary Neoplasms, Schwannoma

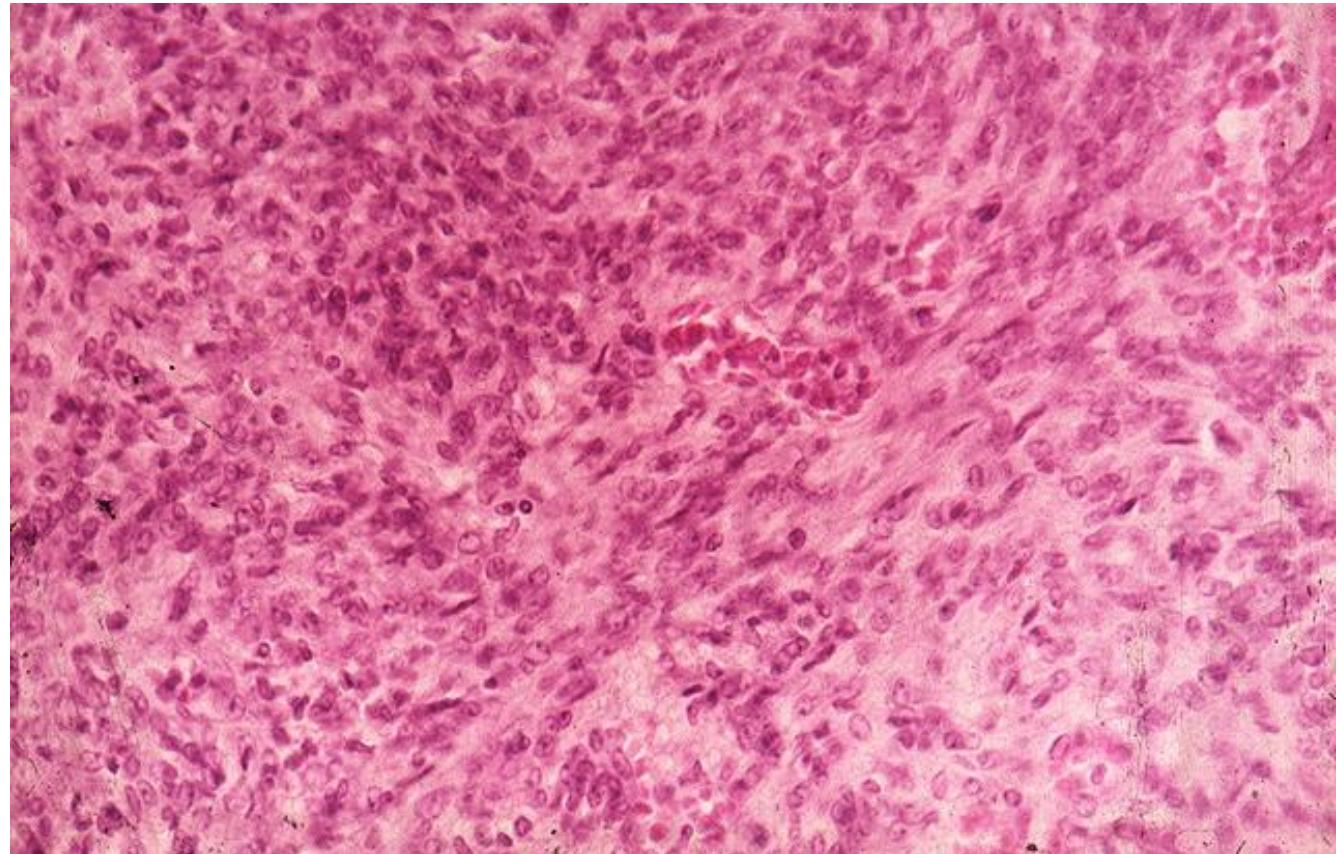
**TB Case Number:** 738

**Gender:** Female

**Age (yrs.):** 11

**Otologic Diagnosis:**

1. Schwannoma, malignant, temporal bone, right
2. Degeneration of the cochlear and vestibular nerves
3. Degeneration of the motor fibers of the facial nerve



# Malignant Schwannoma, L-240

**Title:** Malignant Schwannoma, L-240

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

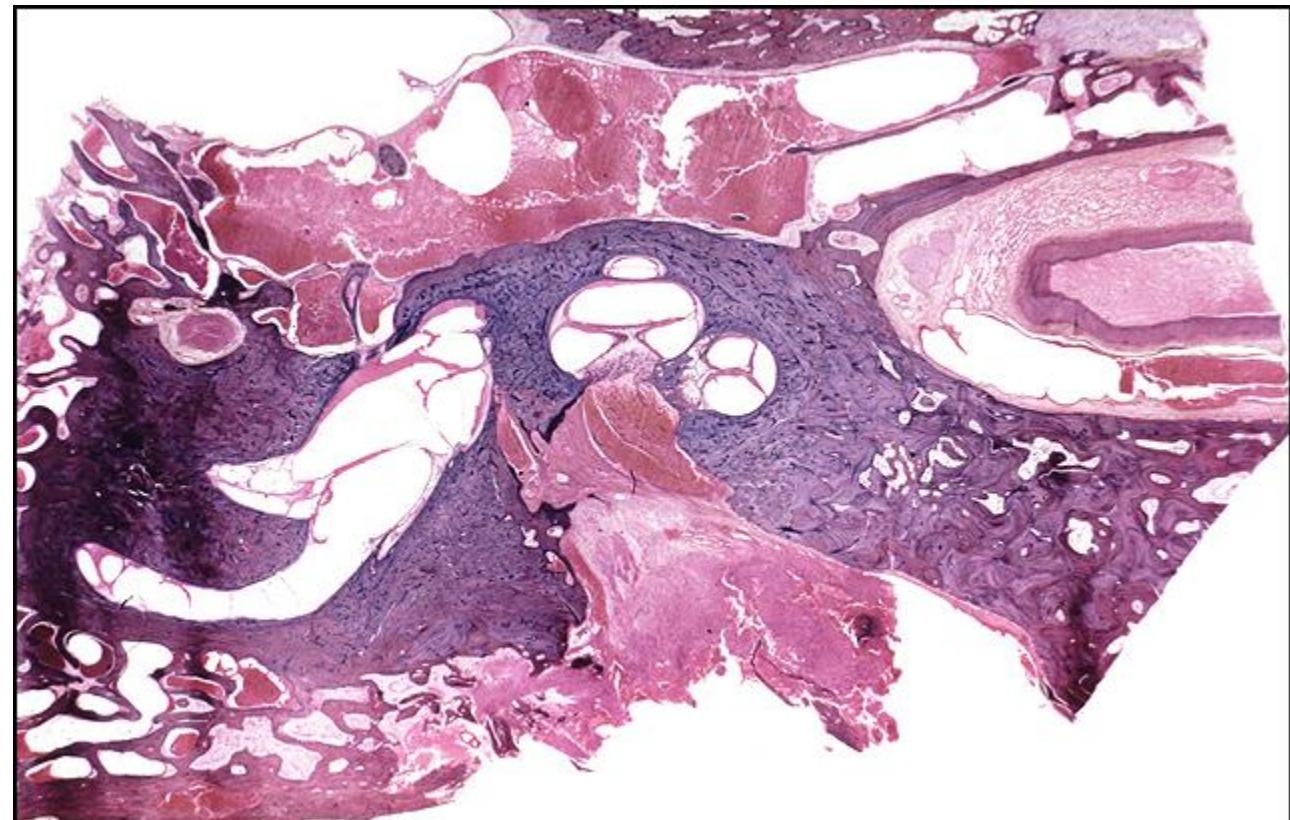
**TB Case Number:** 221

**Gender:** Male

**Age (yrs.):** 56

**Otologic Diagnosis:**

1. Schwannoma, cerebellopontine angle, clinical, left
2. Hemotympanum, postoperative, schwannoma, left
3. Subarachnoid hemorrhage, postoperative, bilateral
4. Membranous labyrinth, degeneration, schwannoma, left
5. Organ of Corti, degeneration, schwannoma, left
6. Vestibular nerve, degeneration, schwannoma, left



# Schwannoma, L-270

**Title:** Schwannoma, L-270

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

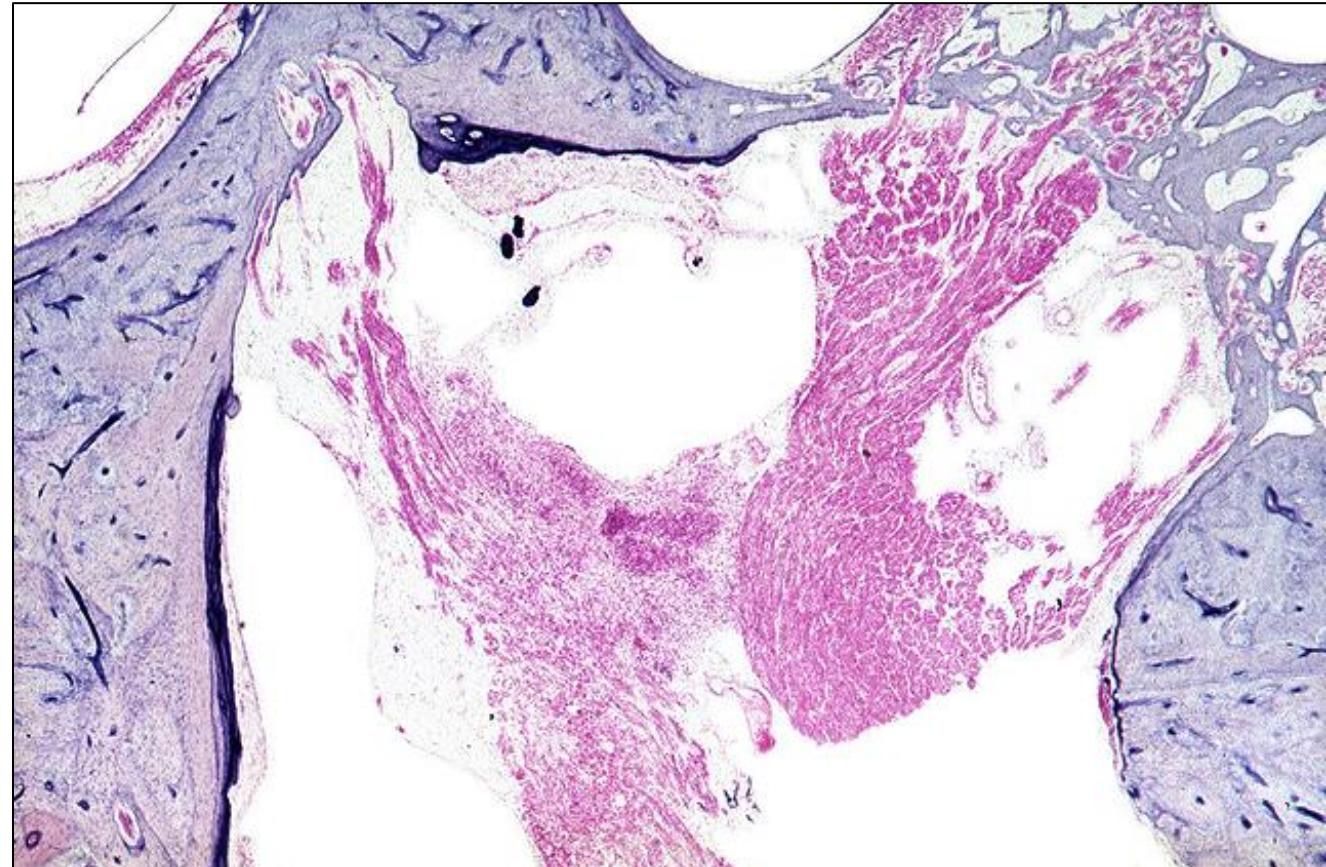
**TB Case Number:** 366

**Gender:** Female

**Age (yrs.):** 74

**Otologic Diagnosis:**

1. Otosclerosis, bilateral
2. Stapedectomy, teflon-wire implant, 16 years postoperative, left
3. Chorda tympani nerve, postoperative degeneration, left
4. Occult schwannoma, small, left
5. Arachnoid cyst, small, left



# Schwannoma, L-270

**Title:** Schwannoma, L-270

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular schwannoma, Primary Neoplasms, Schwannoma

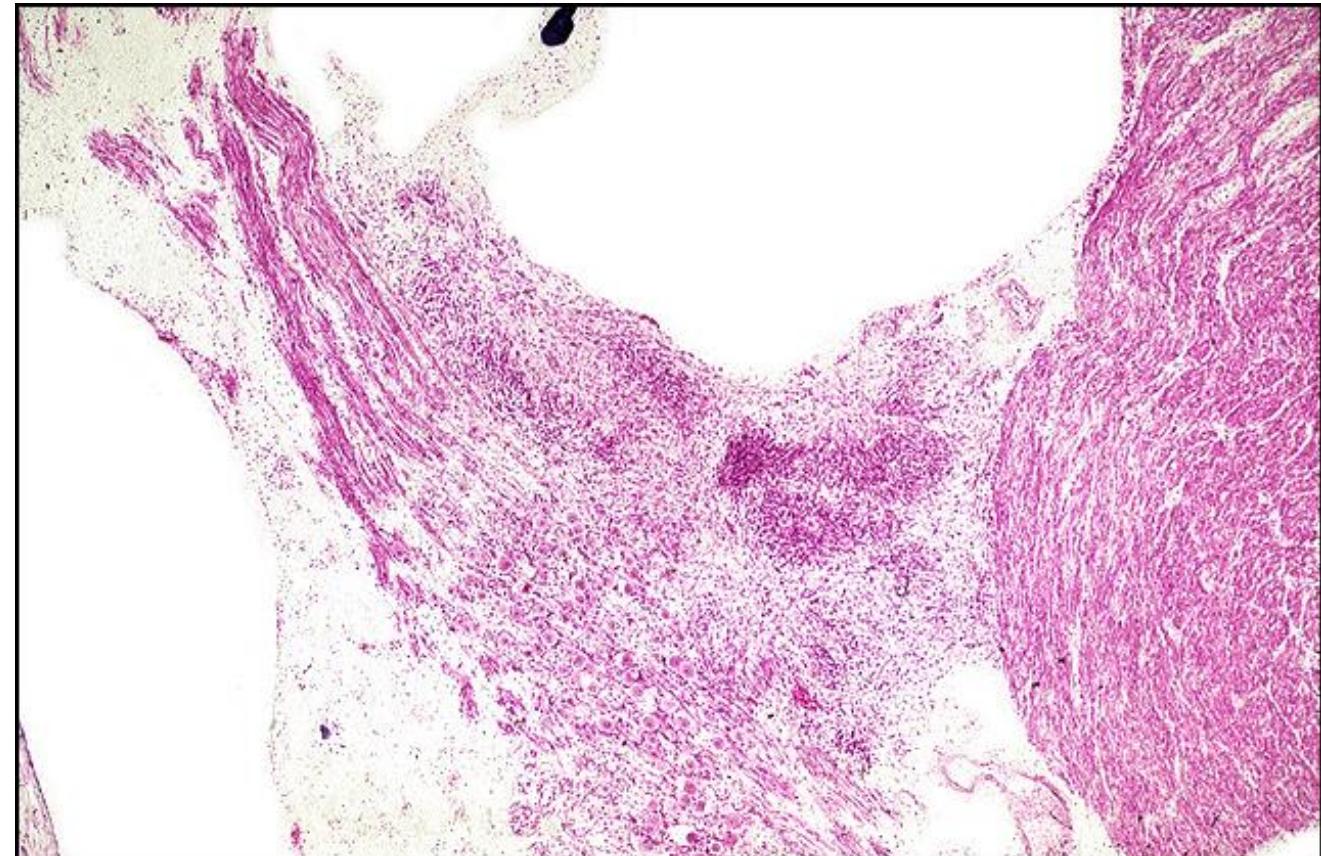
**TB Case Number:** 366

**Gender:** Female

**Age (yrs.):** 74

**Otologic Diagnosis:**

1. Otosclerosis, bilateral
2. Stapedectomy, teflon-wire implant, 16 years postoperative, left
3. Chorda tympani nerve, postoperative degeneration, left
4. Occult schwannoma, small, left
5. Arachnoid cyst, small, left



# Schwannoma, L-230

**Title:** Schwannoma, L-230

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular  
Schwannoma, Primary Neoplasms, Schwannoma

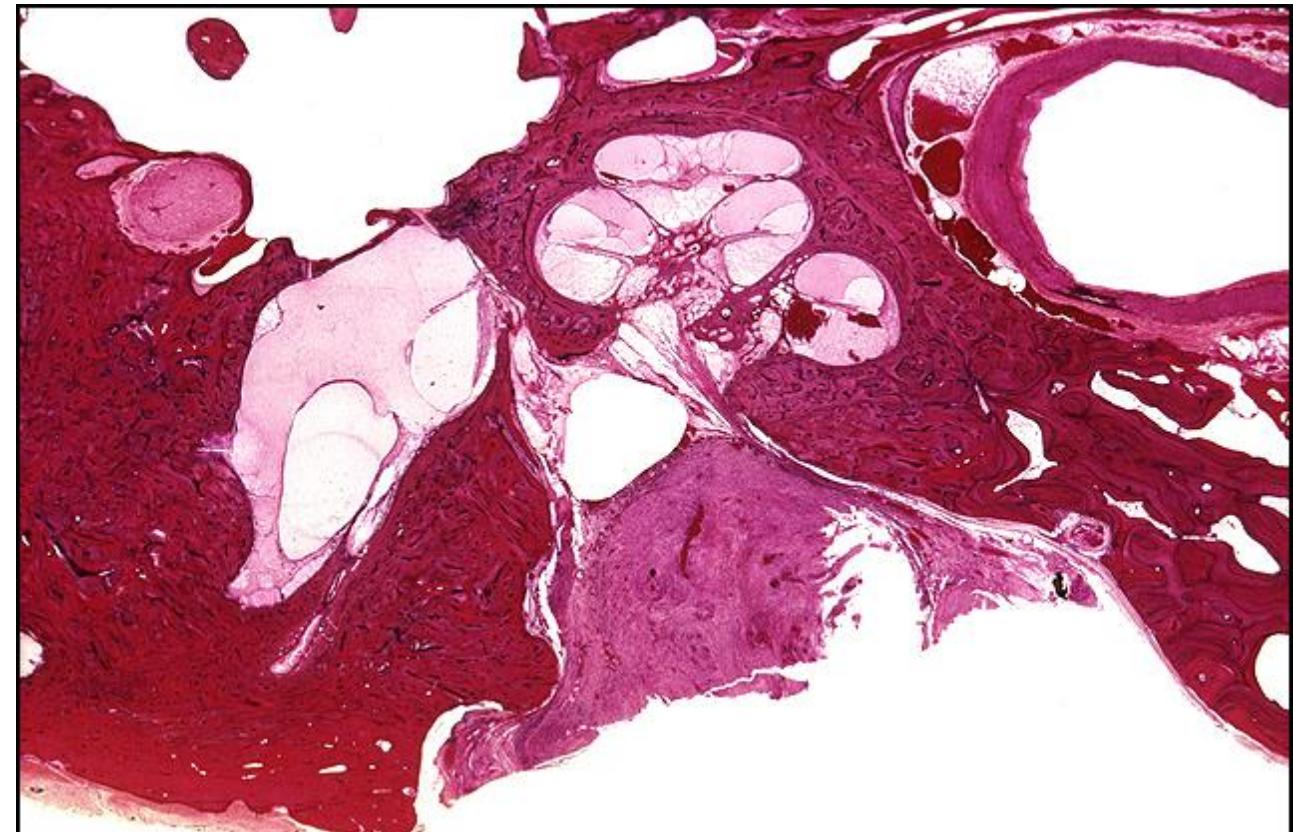
**TB Case Number:** 5

**Gender:** Female

**Age (yrs.):** 66

**Otologic Diagnosis:**

1. Schwannoma, internal auditory canal
2. Compression atrophy, severe, cochlear and vestibular nerves
3. Degeneration of the organ of Corti
4. Fibrous proliferation in the scala vestibuli
5. Acidophilic staining perilymph and endolymph



# Schwannoma, L-230

**Title:** Schwannoma, L-230

**Chapter:** Neoplasms

**Chapter Section:** Nonmalignant vestibular  
Schwannoma, Primary Neoplasms, Schwannoma

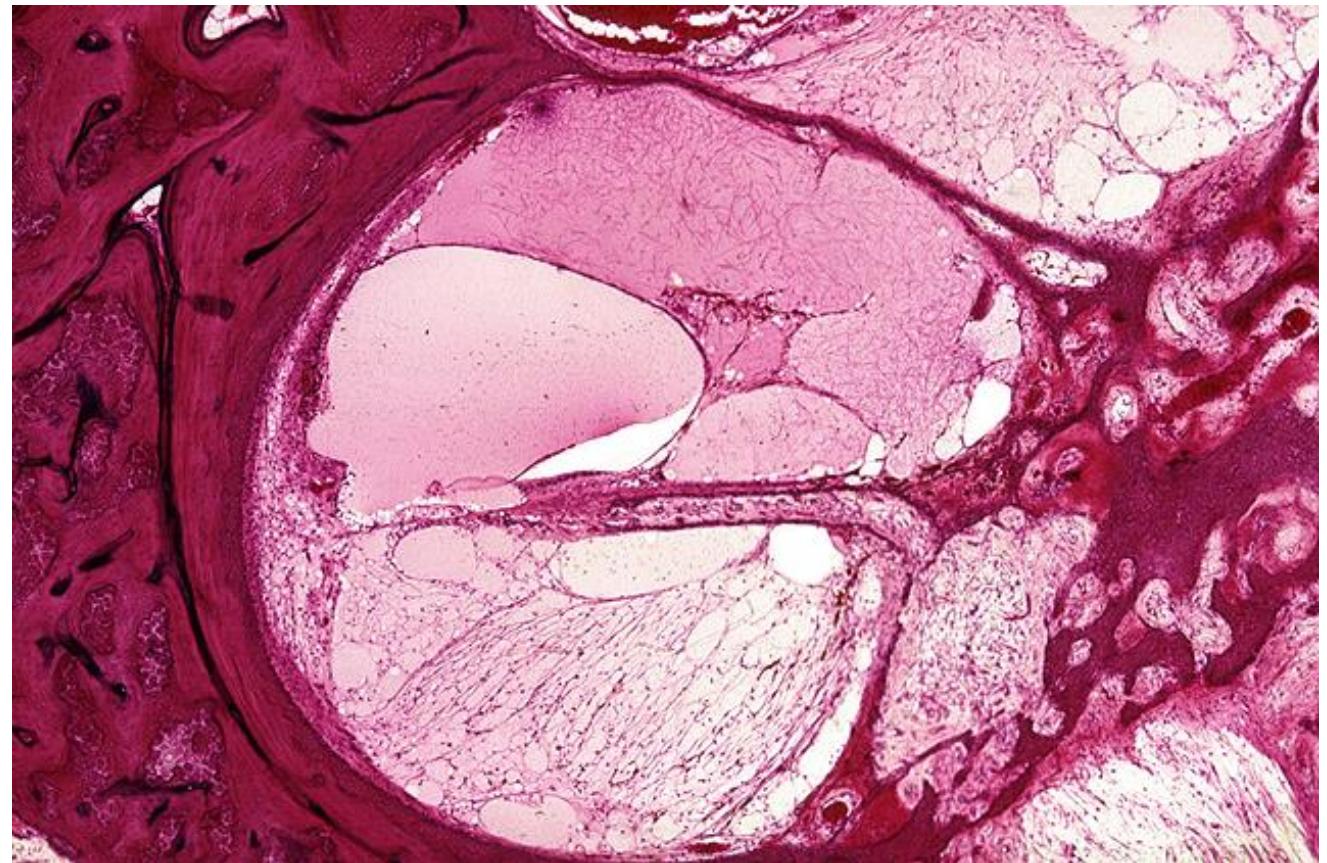
**TB Case Number:** 5

**Gender:** Female

**Age (yrs.):** 66

**Otologic Diagnosis:**

1. Schwannoma, internal auditory canal
2. Compression atrophy, severe, cochlear and vestibular nerves
3. Degeneration of the organ of Corti
4. Fibrous proliferation in the scala vestibuli
5. Acidophilic staining perilymph and endolymph



# Schwannoma, Jugular Foramen, R-640

**Title:** Schwannoma, Jugular Foramen, R-640

**Chapter:** Neoplasms

**Chapter Section:** Primary Neoplasms, Schwannoma

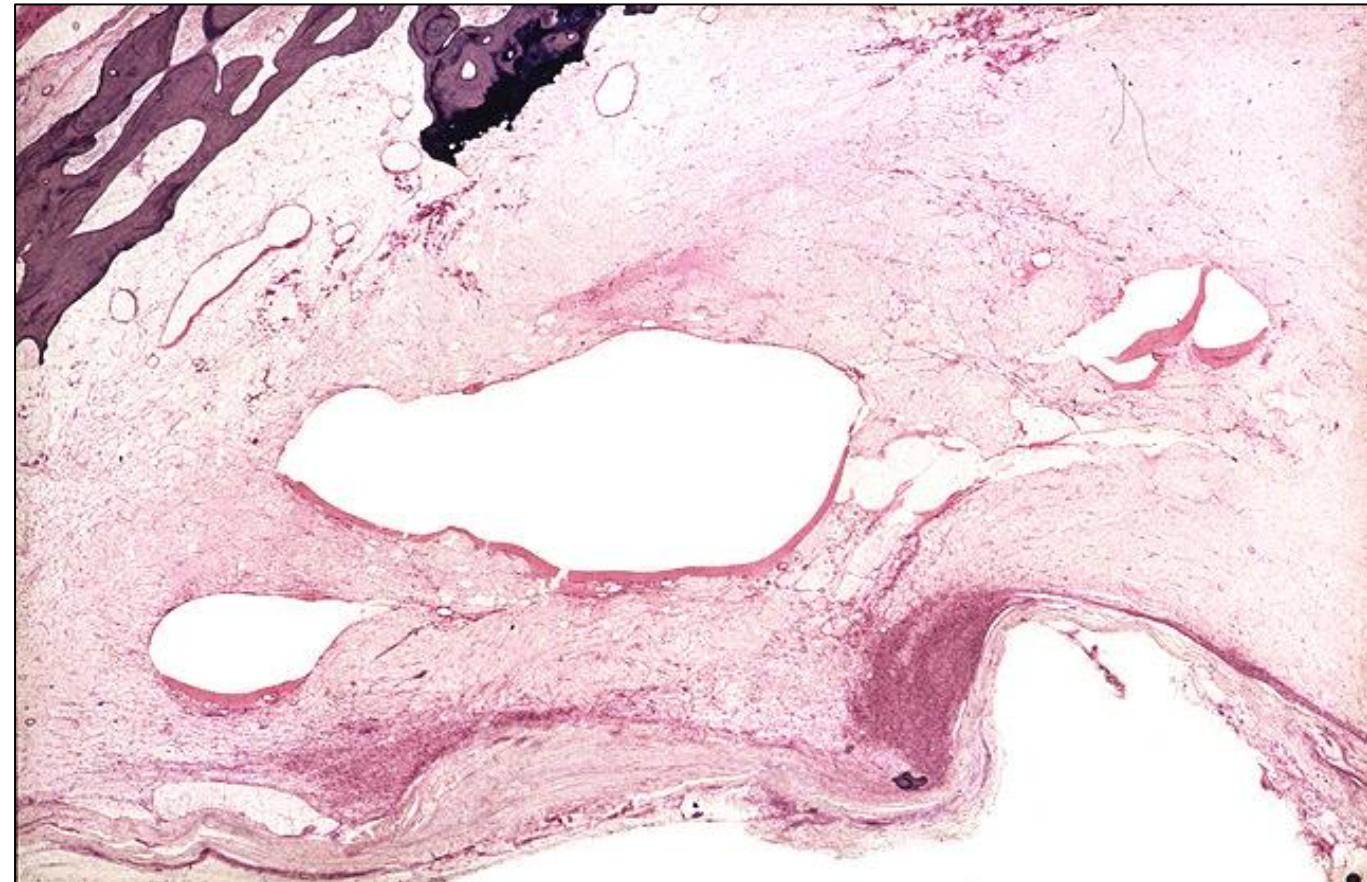
**TB Case Number:** 397

**Gender:** Female

**Age (yrs.):** 84

**Otologic Diagnosis:**

1. Neurofibroma, inferior portion of temporal bone, right
2. Compression atrophy of the cochlear and vestibular nerves, complete, caused by neurofibroma, right
3. Partial compression atrophy, facial nerve, caused by neurofibroma, right
4. Substrial edema, partial, cause unknown, left



# Schwannoma, Jugular Foramen, R-640

**Title:** Schwannoma, Jugular Foramen, R-640

**Chapter:** Neoplasms

**Chapter Section:** Primary Neoplasms, Schwannoma

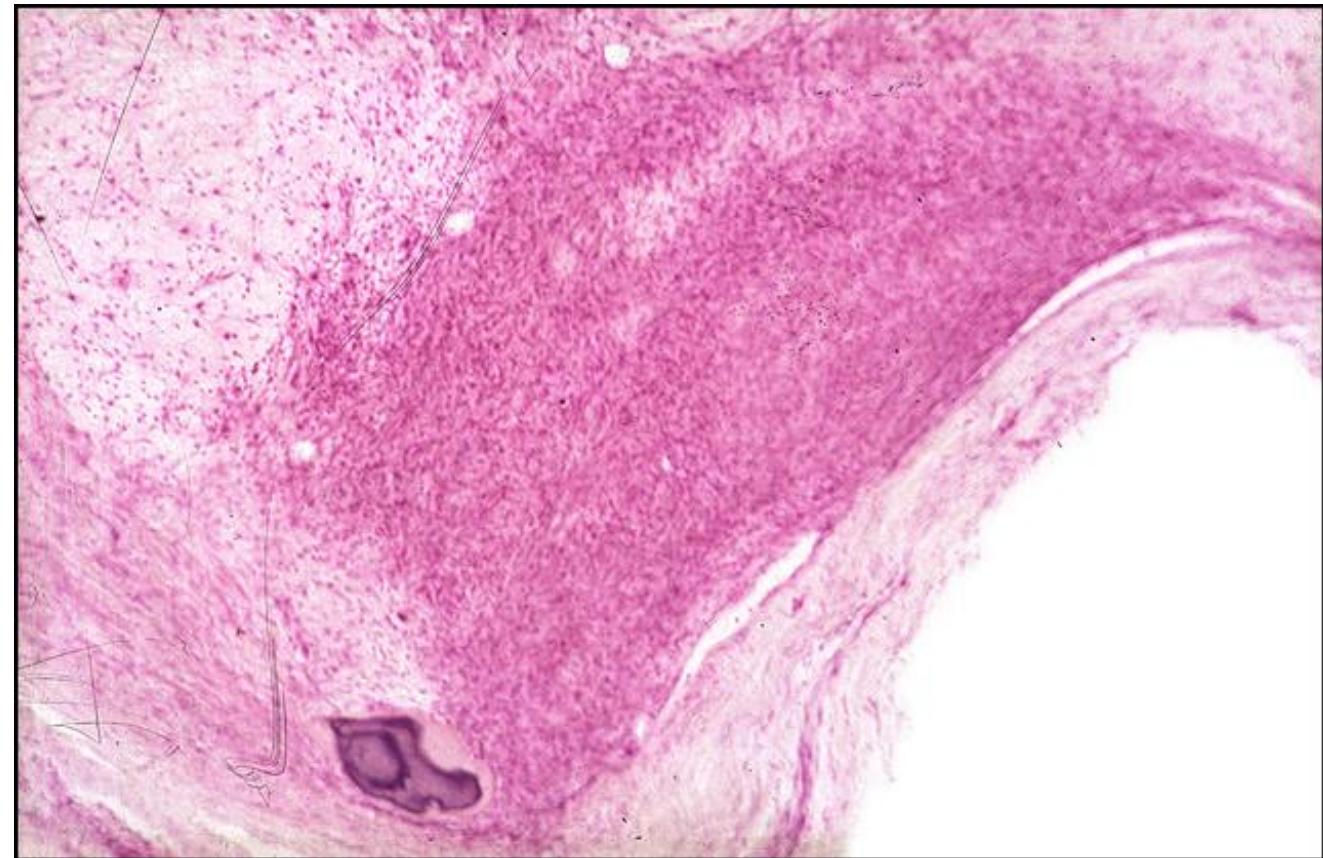
**TB Case Number:** 397

**Gender:** Female

**Age (yrs.):** 84

**Otologic Diagnosis:**

1. Neurofibroma, inferior portion of temporal bone, right
2. Compression atrophy of the cochlear and vestibular nerves, complete, caused by neurofibroma, right
3. Partial compression atrophy, facial nerve, caused by neurofibroma, right
4. Substrial edema, partial, cause unknown, left



# Schwannoma, Jugular Foramen, R-730

**Title:** Schwannoma, Jugular Foramen, R-730

**Chapter:** Neoplasms

**Chapter Section:** Primary Neoplasms, Schwannoma

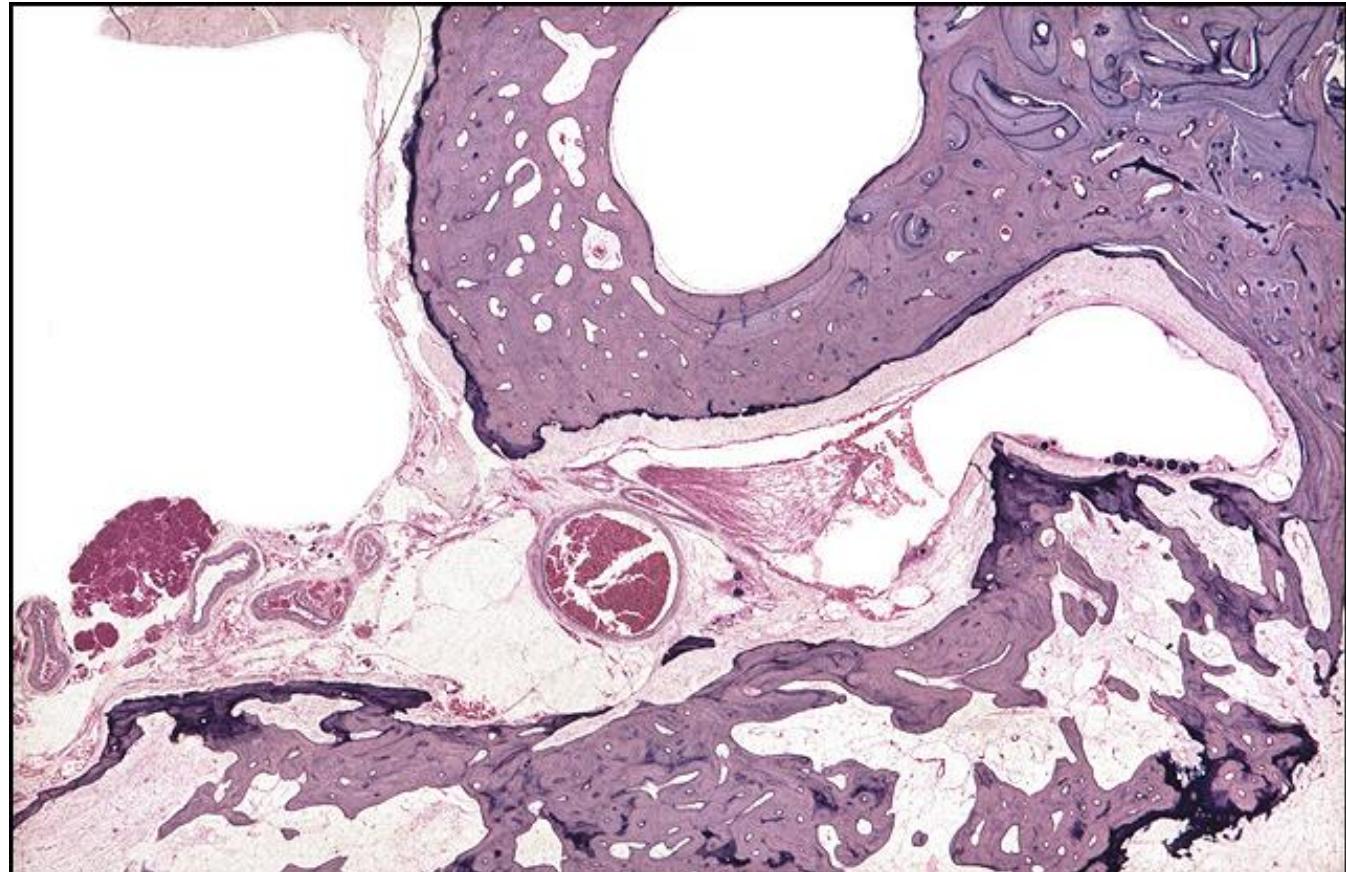
**TB Case Number:** 397

**Gender:** Female

**Age (yrs.):** 84

**Otologic Diagnosis:**

1. Neurofibroma, inferior portion of temporal bone, right
2. Compression atrophy of the cochlear and vestibular nerves, complete, caused by neurofibroma, right
3. Partial compression atrophy, facial nerve, caused by neurofibroma, right
4. Substrial edema, partial, cause unknown, left



# Schwannoma, Jugular Foramen, R-640

**Title:** Schwannoma, Jugular Foramen, R-640

**Chapter:** Neoplasms

**Chapter Section:** Primary Neoplasms, Schwannoma

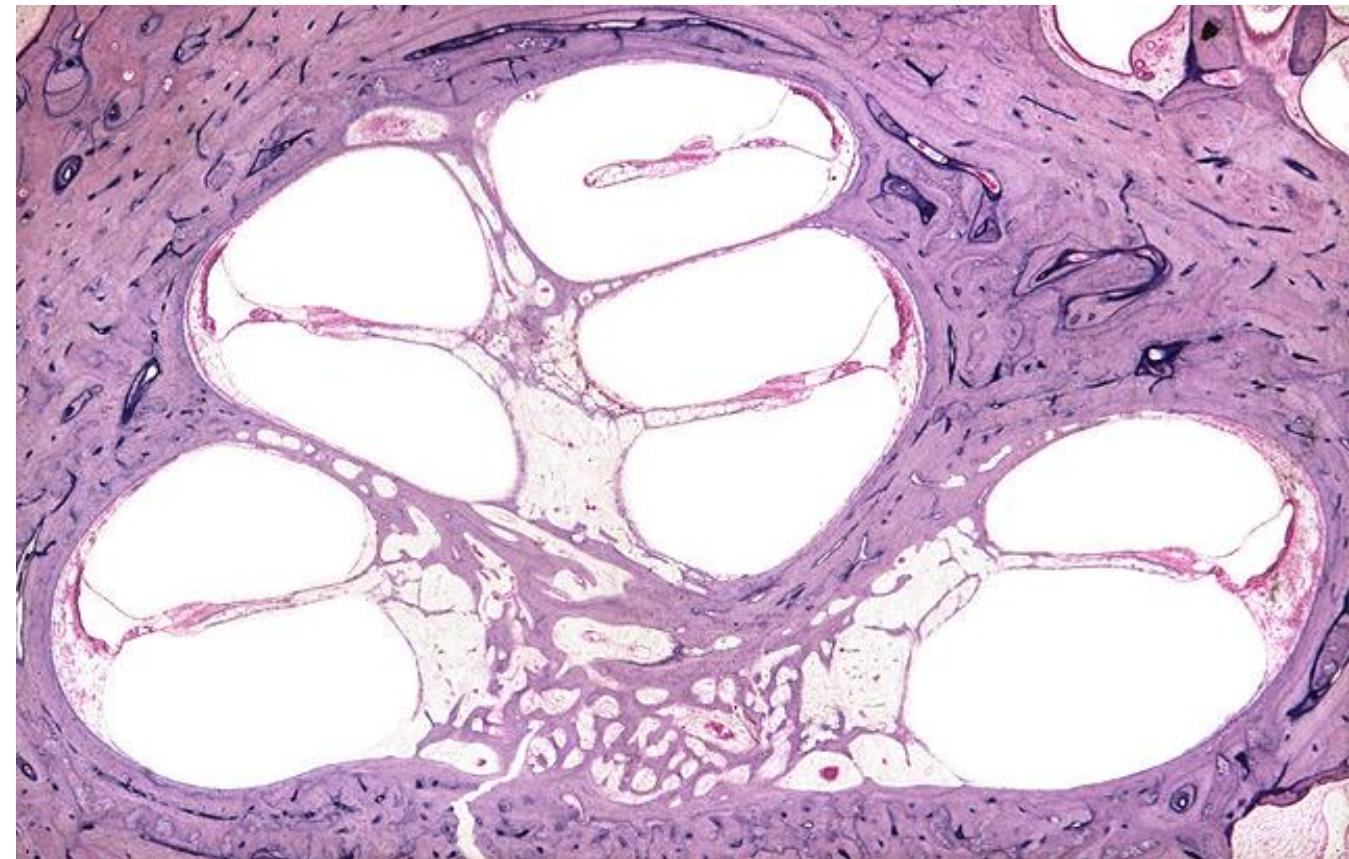
**TB Case Number:** 397

**Gender:** Female

**Age (yrs.):** 84

**Otologic Diagnosis:**

1. Neurofibroma, inferior portion of temporal bone, right
2. Compression atrophy of the cochlear and vestibular nerves, complete, caused by neurofibroma, right
3. Partial compression atrophy, facial nerve, caused by neurofibroma, right
4. Substrial edema, partial, cause unknown, left



# Psammomatous Occult, R-212

**Title:** Psammomatous Occult, R-212

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

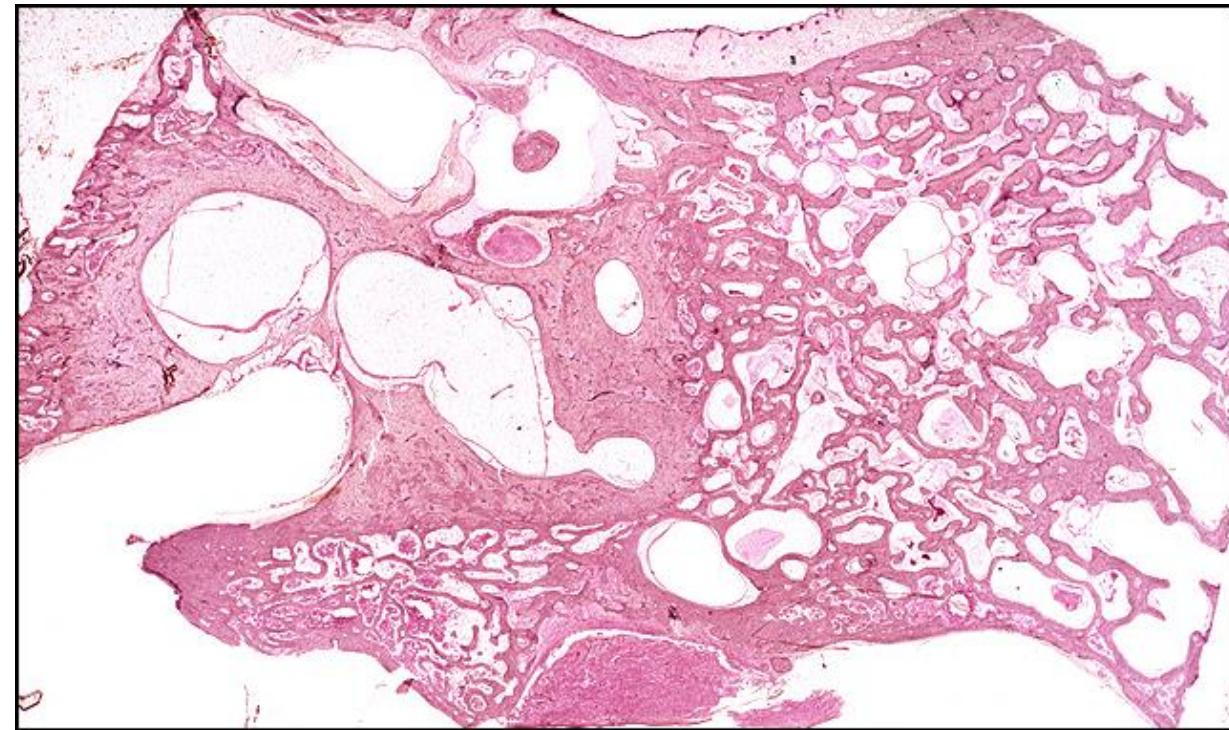
**TB Case Number:** 304

**Gender:** Female

**Age (yrs.):** 85

**Otologic Diagnosis:**

1. Deaf-mutism, prenatal
2. Mondini dysplasia, severe, bilateral
3. Stapes, footplate, dysmorphic, bilateral
4. Modiolus, dysmorphic, dysplasia, Mondini, bilateral
5. Neurons, cochlear and vestibular, predominantly missing, bilateral
6. Endolymphatic sac and duct, dysmorphic, left
7. Endolymphatic sac and duct, aplasia, right
8. Utricle, dysmorphic, Mondini dysplasia, bilateral
9. Saccule, dysmorphic, Mondini dysplasia, bilateral
10. Arachnoid granulation, petrous bone, posterior wall, right
11. Meningioma, psammomatous, occult, petrous bone, posterior fossa, right



# Psammomatous Occult, R-291

**Title:** Psammomatous Occult, R-291

**Chapter:** Neoplasms

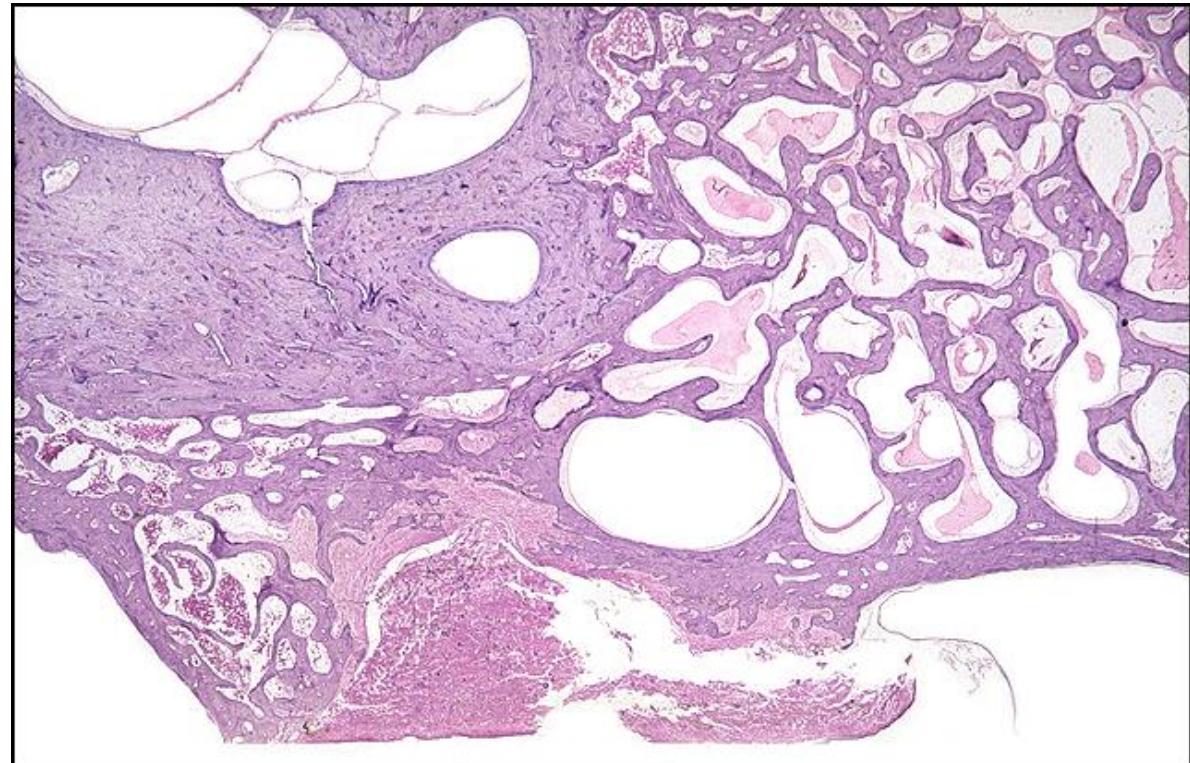
**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

**TB Case Number:** 304

**Gender:** Female    **Age (yrs.):** 85

**Otologic Diagnosis:**

1. Deaf-mutism, prenatal
2. Mondini dysplasia, severe, bilateral
3. Stapes, footplate, dysmorphic, bilateral
4. Modiolus, dysmorphic, dysplasia, Mondini, bilateral
5. Neurons, cochlear and vestibular, predominantly missing, bilateral
6. Endolymphatic sac and duct, dysmorphic, left
7. Endolymphatic sac and duct, aplasia, right
8. Utricle, dysmorphic, Mondini dysplasia, bilateral
9. Saccule, dysmorphic, Mondini dysplasia, bilateral
10. Arachnoid granulation, petrous bone, posterior wall, right
11. Meningioma, psammomatous, occult, petrous bone, posterior fossa, right



# Psammomatous Occult, R-212

**Title:** Psammomatous Occult, R-212

**Chapter:** Neoplasms

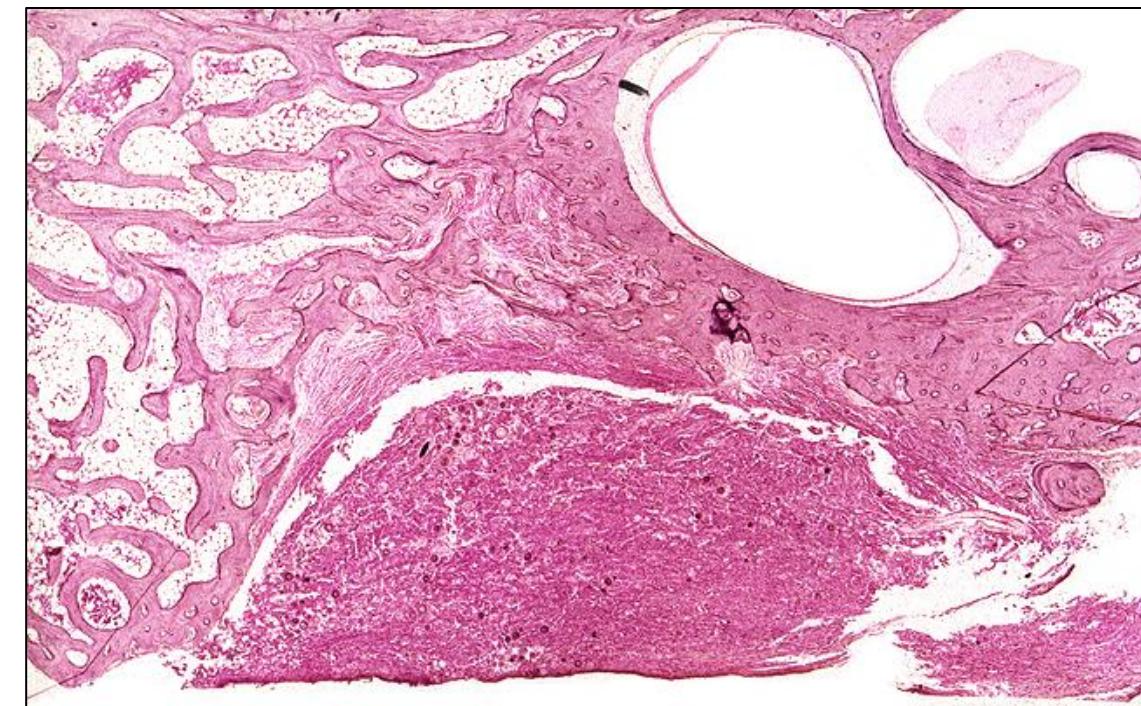
**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

**TB Case Number:** 304

**Gender:** Female    **Age (yrs.):** 85

**Otologic Diagnosis:**

1. Deaf-mutism, prenatal
2. Mondini dysplasia, severe, bilateral
3. Stapes, footplate, dysmorphic, bilateral
4. Modiolus, dysmorphic, dysplasia, Mondini, bilateral
5. Neurons, cochlear and vestibular, predominantly missing, bilateral
6. Endolymphatic sac and duct, dysmorphic, left
7. Endolymphatic sac and duct, aplasia, right
8. Utricle, dysmorphic, Mondini dysplasia, bilateral
9. Saccule, dysmorphic, Mondini dysplasia, bilateral
10. Arachnoid granulation, petrous bone, posterior wall, right
11. Meningioma, psammomatous, occult, petrous bone, posterior fossa, right



# Psammomatous Occult, R-291

**Title:** Psammomatous Occult, R-291

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle,  
Primary Neoplasms

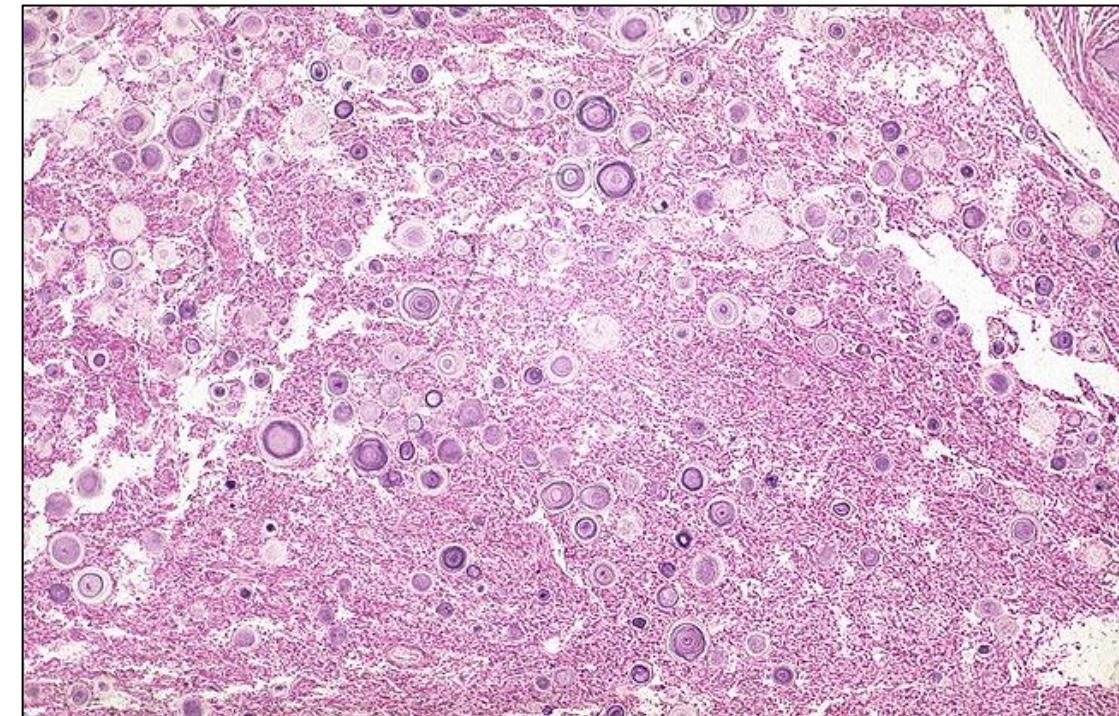
**TB Case Number:** 304

**Gender:** Female

**Age (yrs.):** 85

**Otologic Diagnosis:**

1. Deaf-mutism, prenatal
2. Mondini dysplasia, severe, bilateral
3. Stapes, footplate, dysmorphic, bilateral
4. Modiolus, dysmorphic, dysplasia, Mondini, bilateral
5. Neurons, cochlear and vestibular, predominantly missing, bilateral
6. Endolymphatic sac and duct, dysmorphic, left
7. Endolymphatic sac and duct, aplasia, right
8. Utricle, dysmorphic, Mondini dysplasia, bilateral
9. Saccule, dysmorphic, Mondini dysplasia, bilateral
10. Arachnoid granulation, petrous bone, posterior wall, right
11. Meningioma, psammomatous, occult, petrous bone, posterior fossa, right



# Meningioma Occult, L-281

**Title:** Meningioma Occult, L-281

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

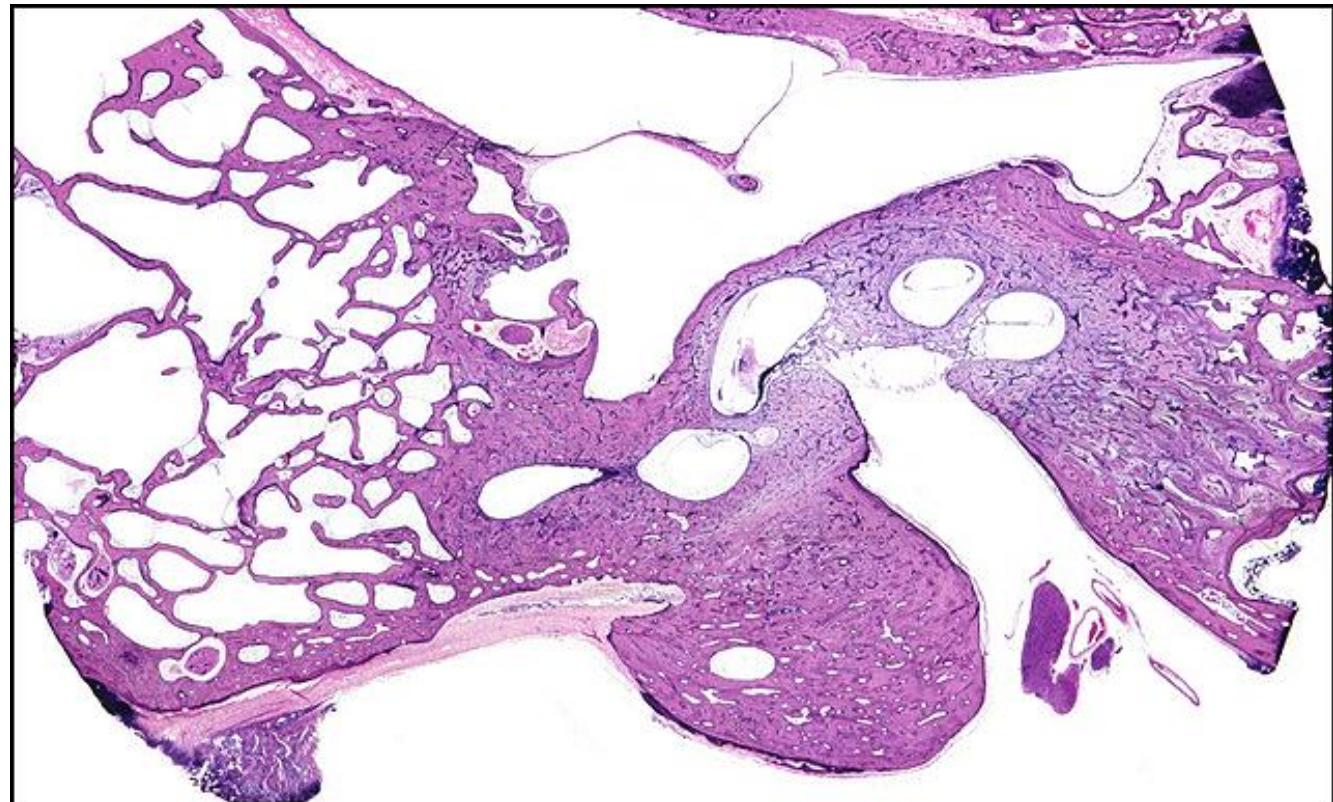
**TB Case Number:** 781

**Gender:** Female

**Age (yrs.):** 75

**Otologic Diagnosis:**

1. Presbycusis, bilateral
2. Stria vascularis, atrophy, all turns, bilateral
3. Pneumatization, zygomatic processes, bilateral
4. Meningioma, posterior fossa, occult, left



# Meningioma Occult, L-281

**Title:** Meningioma Occult, L-281

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

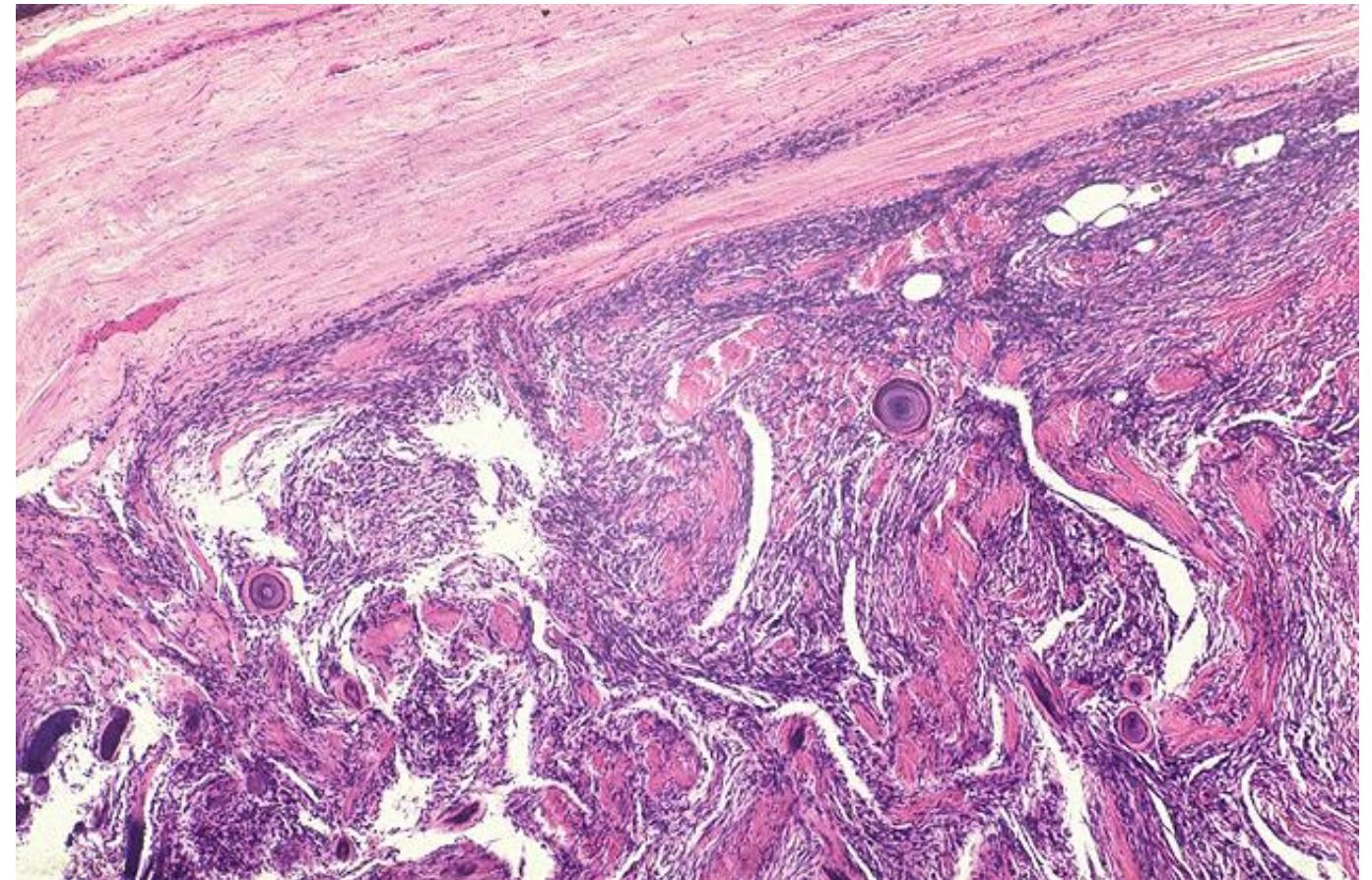
**TB Case Number:** 781

**Gender:** Female

**Age (yrs.):** 75

**Otologic Diagnosis:**

1. Presbycusis, bilateral
2. Stria vascularis, atrophy, all turns, bilateral
3. Pneumatization, zygomatic processes, bilateral
4. Meningioma, posterior fossa, occult, left



# Meningioma, R-181

**Title:** Meningioma, R-181

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

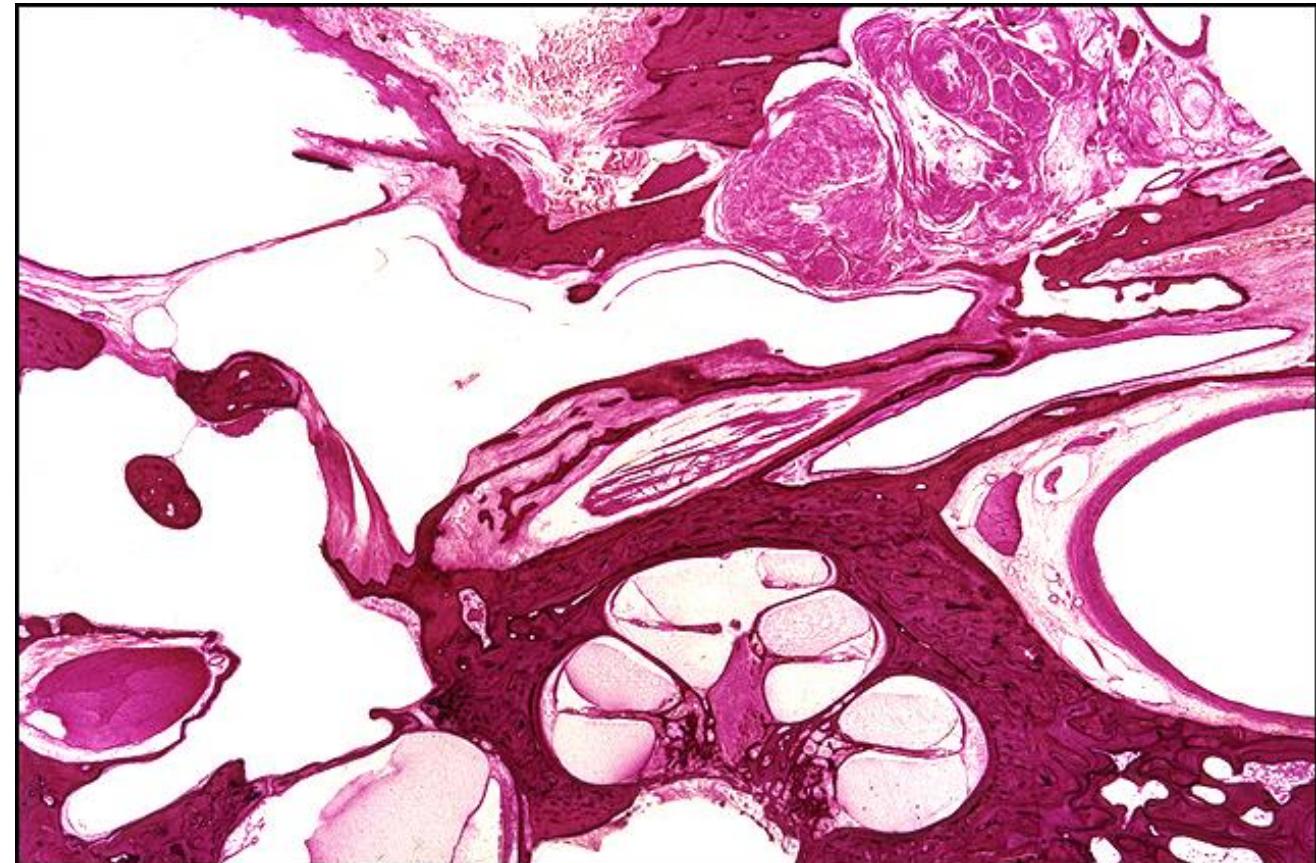
**TB Case Number:** 874

**Gender:** Female

**Age (yrs.):** 34

**Otologic Diagnosis:**

1. Meningioma, meningotheliomatous type, cerebellopontine angle, right ear
2. Profound hearing loss, right ear, caused by near total cochlear neuronal degeneration secondary to meningioma of cerebellopontine angle
3. Degeneration of the facial nerve due to invasion by meningioma in the internal auditory canal
4. Partial atrophy sympathetic nerve trunk, right side, cause unknown



# Meningioma, R-201

**Title:** Meningioma, R-201

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

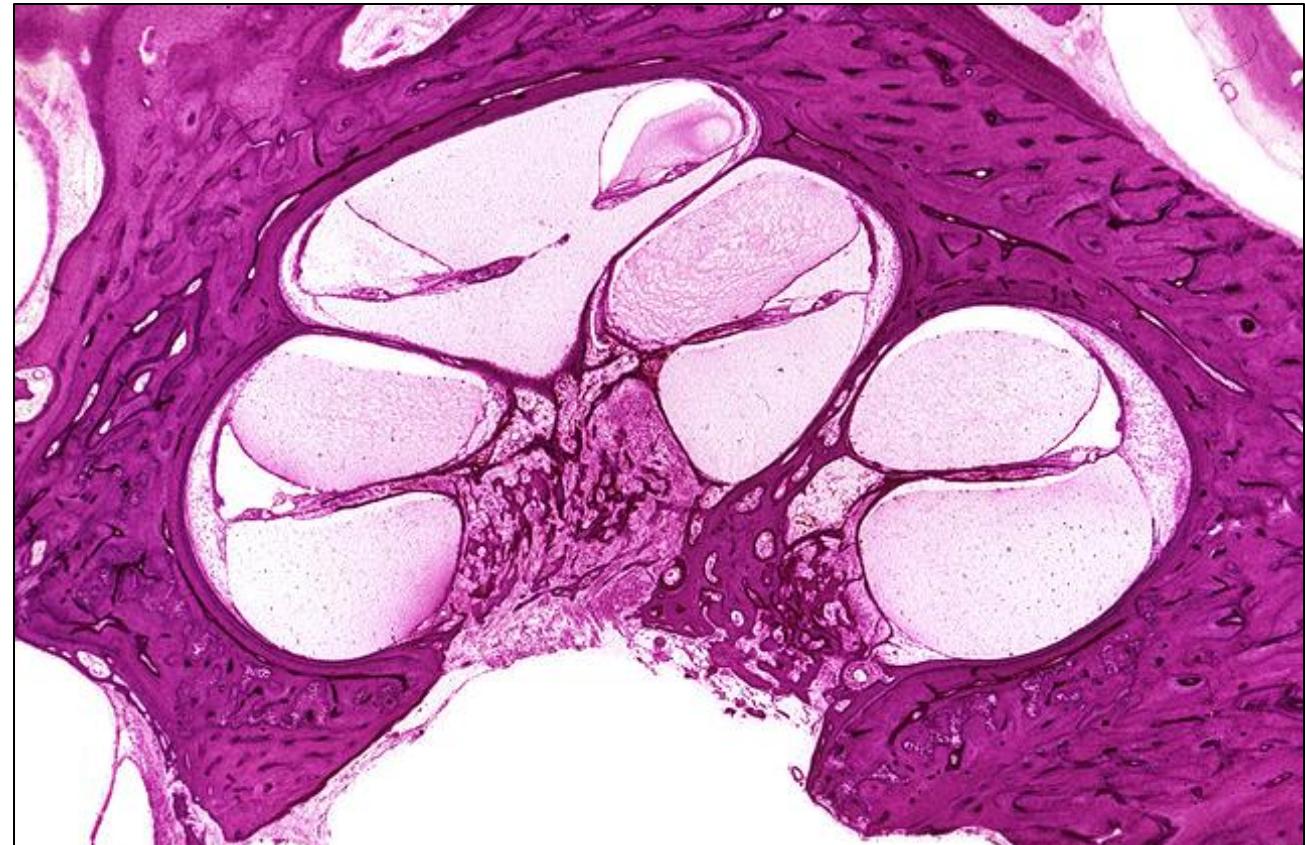
**TB Case Number:** 874

**Gender:** Female

**Age (yrs.):** 34

**Otologic Diagnosis:**

1. Meningioma, meningotheliomatous type, cerebellopontine angle, right ear
2. Profound hearing loss, right ear, caused by near total cochlear neuronal degeneration secondary to meningioma of cerebellopontine angle
3. Degeneration of the facial nerve due to invasion by meningioma in the internal auditory canal
4. Partial atrophy sympathetic nerve trunk, right side, cause unknown



# Meningioma, R-201

**Title:** Meningioma, R-201

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

**TB Case Number:** 874

**Gender:** Female

**Age (yrs.):** 34

**Otologic Diagnosis:**

1. Meningioma, meningotheliomatous type, cerebellopontine angle, right ear
2. Profound hearing loss, right ear, caused by near total cochlear neuronal degeneration secondary to meningioma of cerebellopontine angle
3. Degeneration of the facial nerve due to invasion by meningioma in the internal auditory canal
4. Partial atrophy sympathetic nerve trunk, right side, cause unknown



# Meningioma, L-200

**Title:** Meningioma, L-200

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

**TB Case Number:** 874

**Gender:** Female

**Age (yrs.):** 34

**Otologic Diagnosis:**

1. Meningioma, meningotheliomatous type, cerebellopontine angle, right ear
2. Profound hearing loss, right ear, caused by near total cochlear neuronal degeneration secondary to meningioma of cerebellopontine angle
3. Degeneration of the facial nerve due to invasion by meningioma in the internal auditory canal
4. Partial atrophy sympathetic nerve trunk, right side, cause unknown



# Meningioma, L-260

**Title:** Meningioma, L-260

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

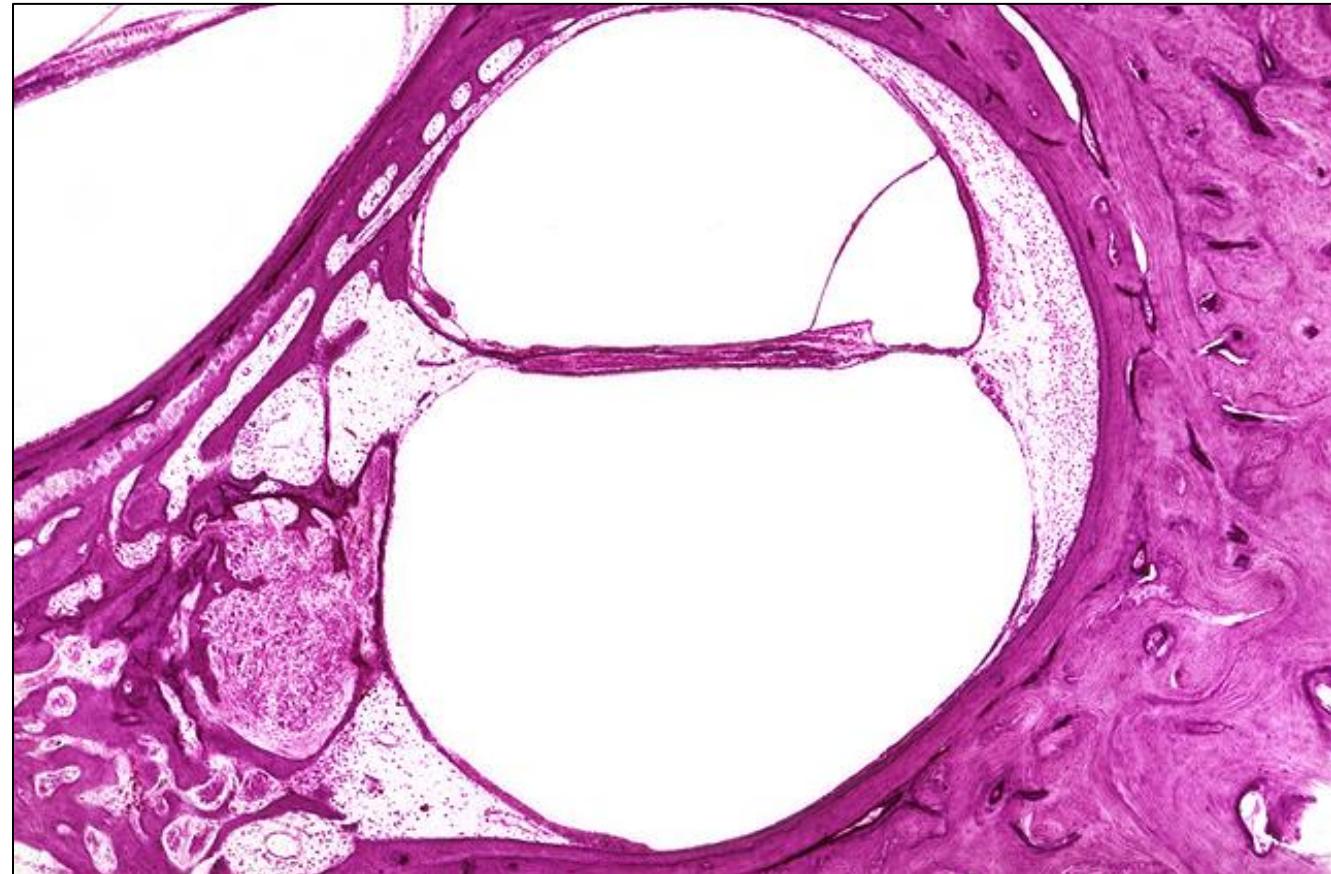
**TB Case Number:** 874

**Gender:** Female

**Age (yrs.):** 34

**Otologic Diagnosis:**

1. Meningioma, meningotheliomatous type, cerebellopontine angle, right ear
2. Profound hearing loss, right ear, caused by near total cochlear neuronal degeneration secondary to meningioma of cerebellopontine angle
3. Degeneration of the facial nerve due to invasion by meningioma in the internal auditory canal
4. Partial atrophy sympathetic nerve trunk, right side, cause unknown



# Meningioma, L-331

**Title:** Meningioma, L-331

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

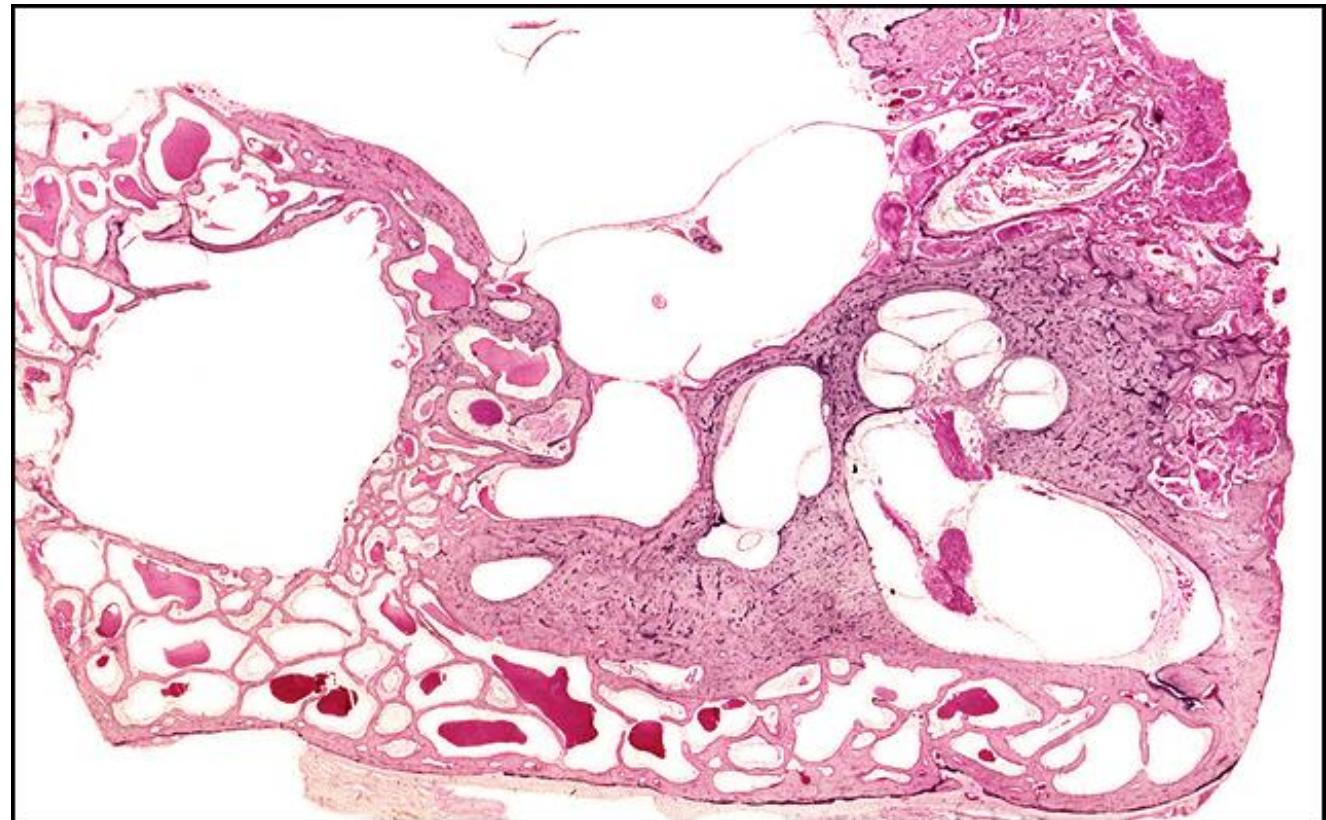
**TB Case Number:** 157

**Gender:** Male

**Age (yrs.):** 62

**Otologic Diagnosis:**

1. Meningioma, meningotheliomatous, left temporal bone
2. Otitis media, serous, in vacuo, secondary to meningioma, left
3. Acoustic trauma, mild, bilateral
4. Pneumatization, extensive, bilateral



# Meningioma, L-331

**Title:** Meningioma, L-331

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

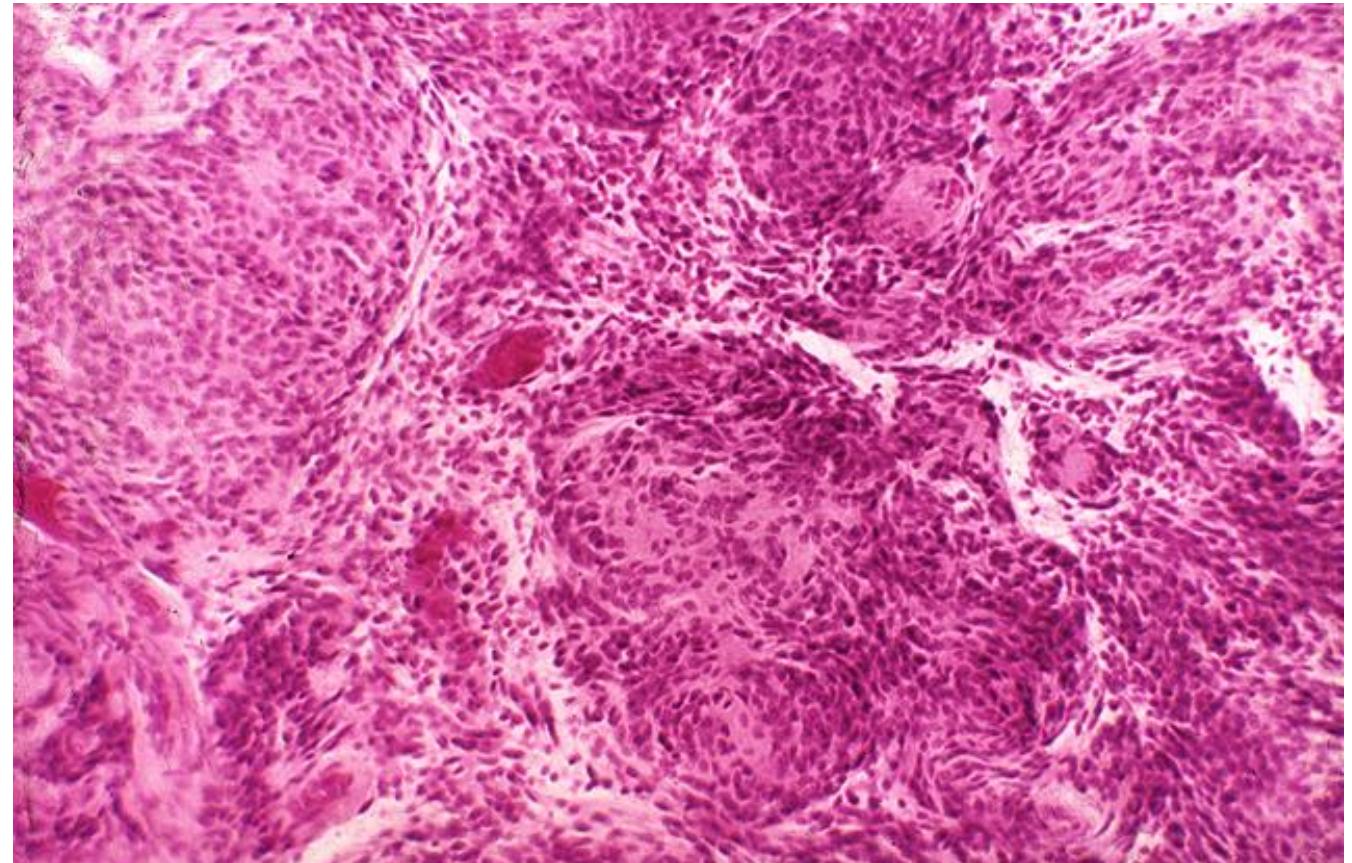
**TB Case Number:** 157

**Gender:** Male

**Age (yrs.):** 62

**Otologic Diagnosis:**

1. Meningioma, meningotheliomatous, left temporal bone
2. Otitis media, serous, in vacuo, secondary to meningioma, left
3. Acoustic trauma, mild, bilateral
4. Pneumatization, extensive, bilateral



# Fibroblastic Meningioma, L-167

**Title:** Fibroblastic Meningioma, L-167

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

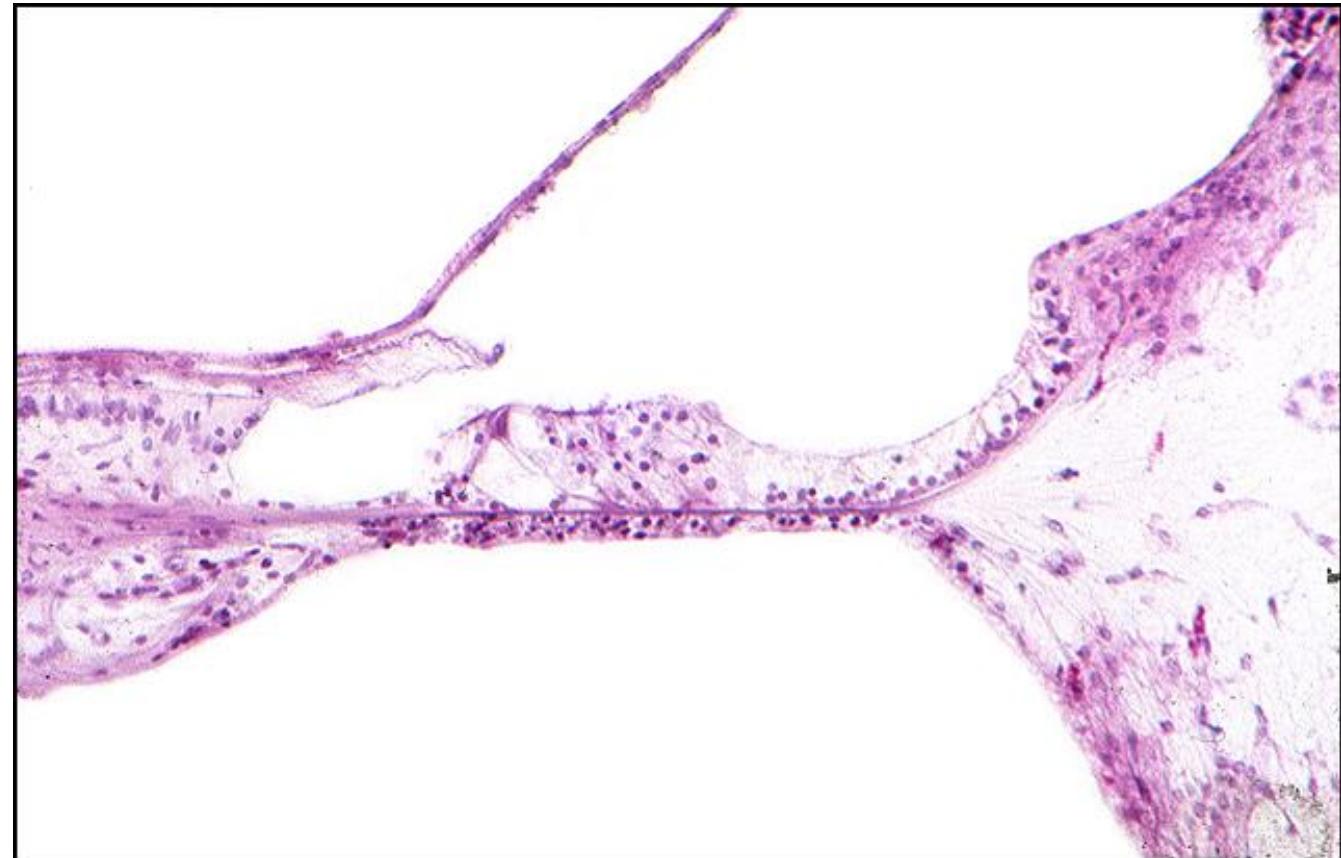
**TB Case Number:** 680

**Gender:** Male

**Age (yrs.):** 89

**Otologic Diagnosis:**

1. Fibroblastic meningioma of the left cerebellopontine angle
2. Degeneration of the cochlear and vestibular nerves and the motor division of the facial nerve secondary to meningioma
3. Chronic granulation polyp, hypotympanum, right



# Fibroblastic Meningioma, L-141

**Title:** L-141 Fibroblastic Meningioma

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

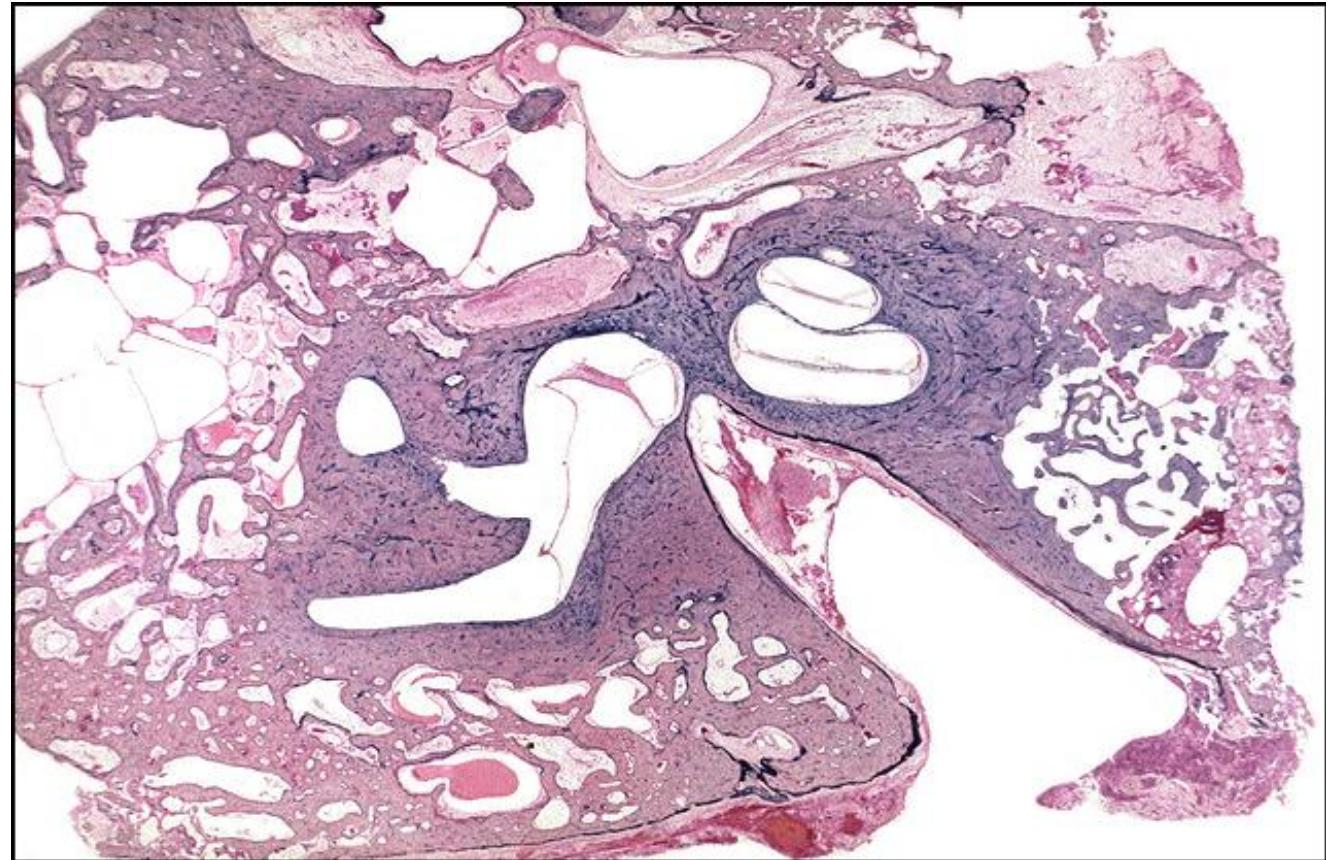
**TB Case Number:** 680

**Gender:** Male

**Age (yrs.):** 89

**Otologic Diagnosis:**

1. Fibroblastic meningioma of the left cerebellopontine angle
2. Degeneration of the cochlear and vestibular nerves and the motor division of the facial nerve secondary to meningioma
3. Chronic granulation polyp, hypotympanum, right



# Fibroblastic Meningioma, L-50

**Title:** Fibroblastic Meningioma, L-50

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

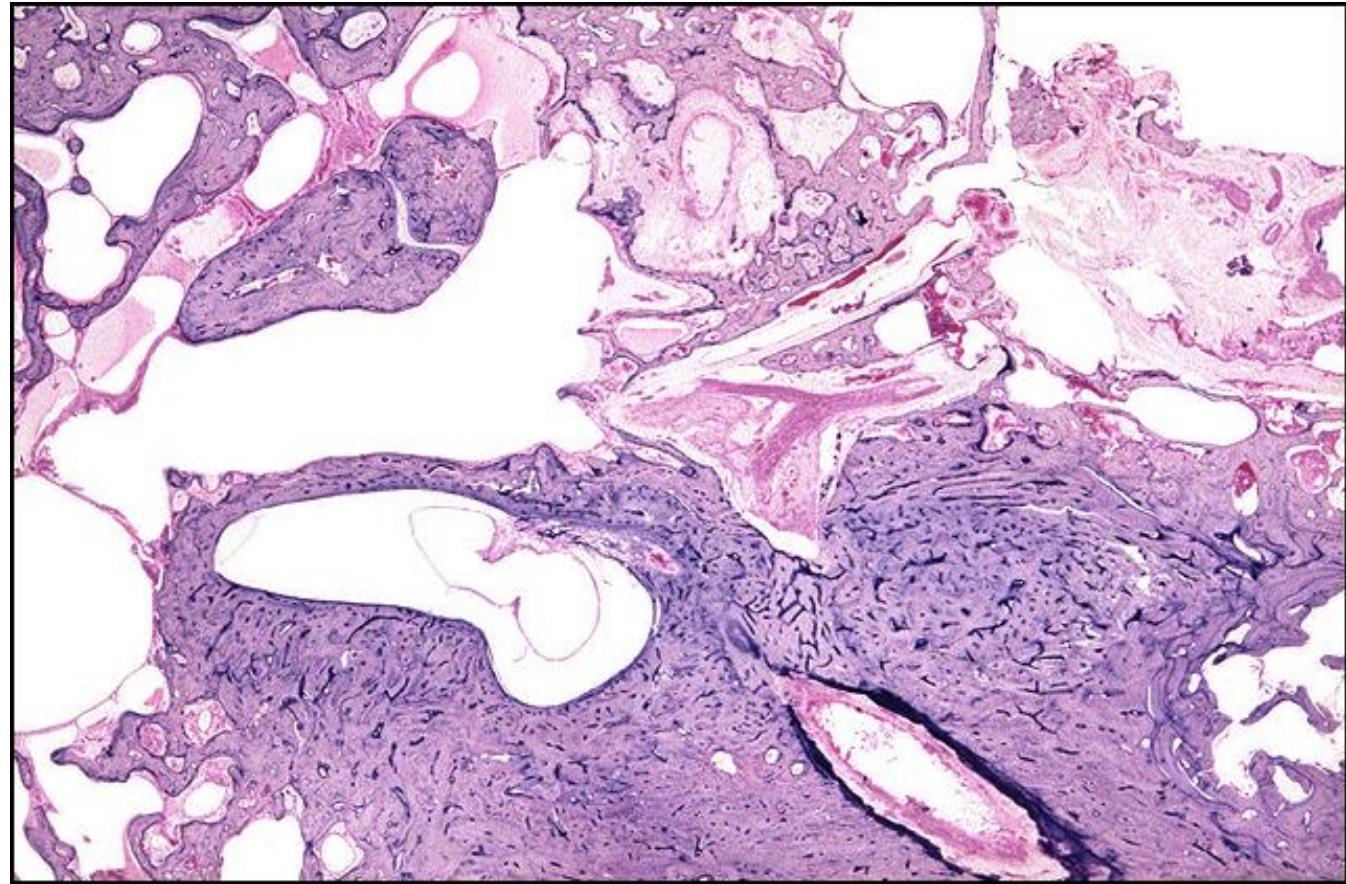
**TB Case Number:** 680

**Gender:** Male

**Age (yrs.):** 89

**Otologic Diagnosis:**

1. Fibroblastic meningioma of the left cerebellopontine angle
2. Degeneration of the cochlear and vestibular nerves and the motor division of the facial nerve secondary to meningioma
3. Chronic granulation polyp, hypotympanum, right



# Meningotheliomatous Meningioma, L-34

**Title:** Meningotheliomatous Meningioma, L-34

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

**TB Case Number:** 568

**Gender:** Female

**Age (yrs.):** 61

**Otologic Diagnosis:**

1. Meningotheliomatous meningioma, temporal bone, left
2. Destruction of the VIIth and VIIIth cranial nerves secondary to meningioma



# Meningotheliomatous Meningioma

**Title:** Meningotheliomatous Meningioma

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

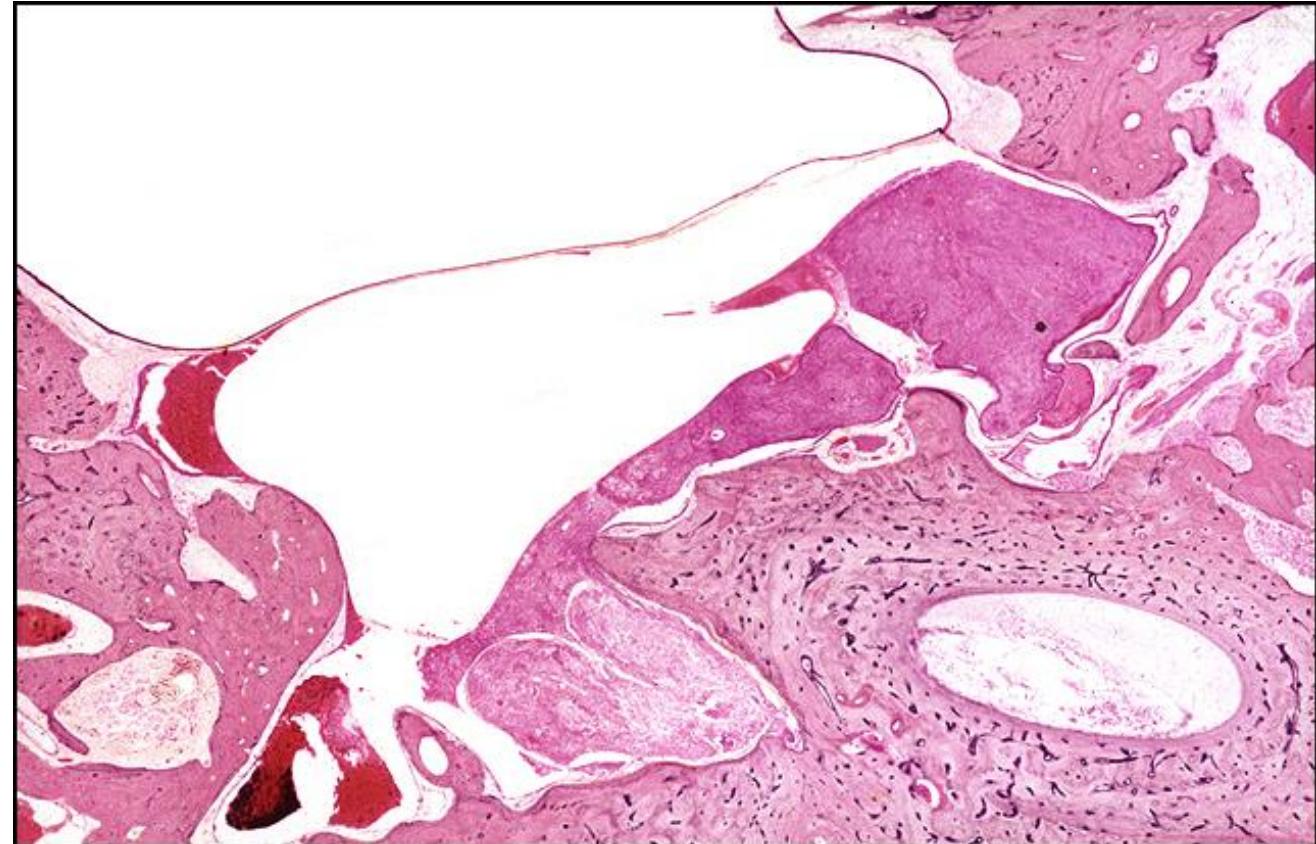
**TB Case Number:** 568

**Gender:** Female

**Age (yrs.):** 61

**Otologic Diagnosis:**

1. Meningotheliomatous meningioma, temporal bone, left
2. Destruction of the VII<sup>th</sup> and VIII<sup>th</sup> cranial nerves secondary to meningioma



# Meningioma, L-211

**Title:** Meningioma, L-211

**Chapter:** Neoplasms

**Chapter Section:** Meningioma, Other tumors of the cerebellopontine angle, Primary Neoplasms

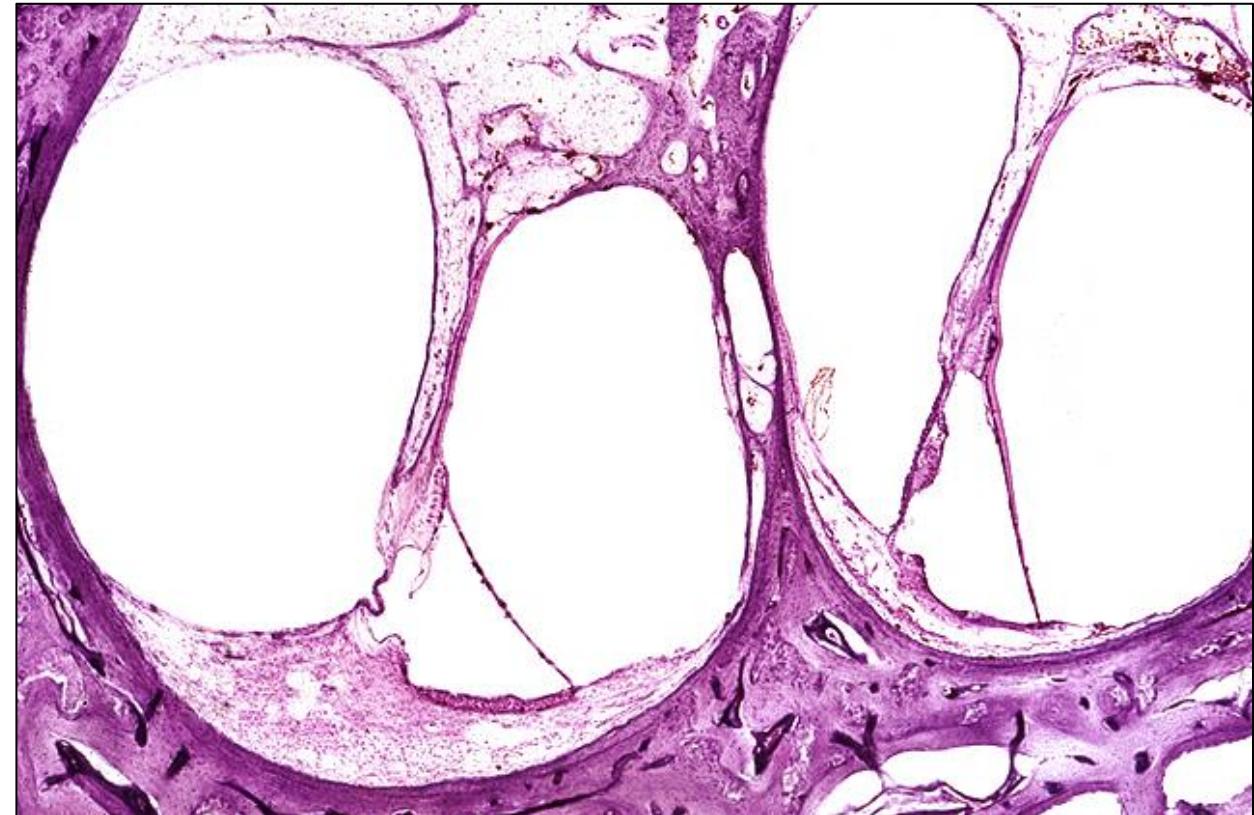
**TB Case Number:** 68

**Gender:** Female

**Age (yrs.):** 69

**Otologic Diagnosis:**

1. Meningioma, meningotheliomatous type, extending into the internal auditory canal, left
2. Degeneration of the cochlear and vestibular nerves, total, secondary to meningioma, left
3. Organ of Corti, atrophy, basal turn, severe, left
4. Posterior semicircular canal, fibro-osseous proliferation, left
5. Artifact, preparation, fragmentation, bony labyrinth, moderately severe, left
6. Artifact, preparation, membranous labyrinth, mild, left



# Malignant Teratoma, R-211

**Title:** Malignant Teratoma, R-211

**Chapter:** Neoplasms

**Chapter Section:** Other Neoplastic Diseases, Teratoma

**TB Case Number:** 206

**Gender:** Male

**Age (yrs.):** 29

**Otologic Diagnosis:**

1. Teratoma, malignant, immature, extension to internal auditory canal (IAC), bilateral, most severe on right
2. Cochlear duct and saccule, neoplasm IAC, bilateral
3. Stain, acidophilic, inner ear fluids, neoplasm IAC, bilateral
4. Cribrose areas and Rosenthal's canal, neoplastic invasion, basal turn, right
5. Artifact, preparation, membranous labyrinth, tears, bilateral
6. Organ of Corti, partial atrophy, neoplasm, basal turn, right



# Malignant Teratoma, R-211

**Title:** Malignant Teratoma, R-211

**Chapter:** Neoplasms

**Chapter Section:** Other Neoplastic Diseases, Teratoma

**TB Case Number:** 206

**Gender:** Male

**Age (yrs.):** 29

**Otologic Diagnosis:**

1. Teratoma, malignant, immature, extension to internal auditory canal (IAC), bilateral, most severe on right
2. Cochlear duct and saccule, neoplasm IAC, bilateral
3. Stain, acidophilic, inner ear fluids, neoplasm IAC, bilateral
4. Cribose areas and Rosenthal's canal, neoplastic invasion, basal turn, right
5. Artifact, preparation, membranous labyrinth, tears, bilateral
6. Organ of Corti, partial atrophy, neoplasm, basal turn, right



# Malignant Teratoma, R-211

**Title:** Malignant Teratoma, R-211

**Chapter:** Neoplasms

**Chapter Section:** Other Neoplastic Diseases, Teratoma

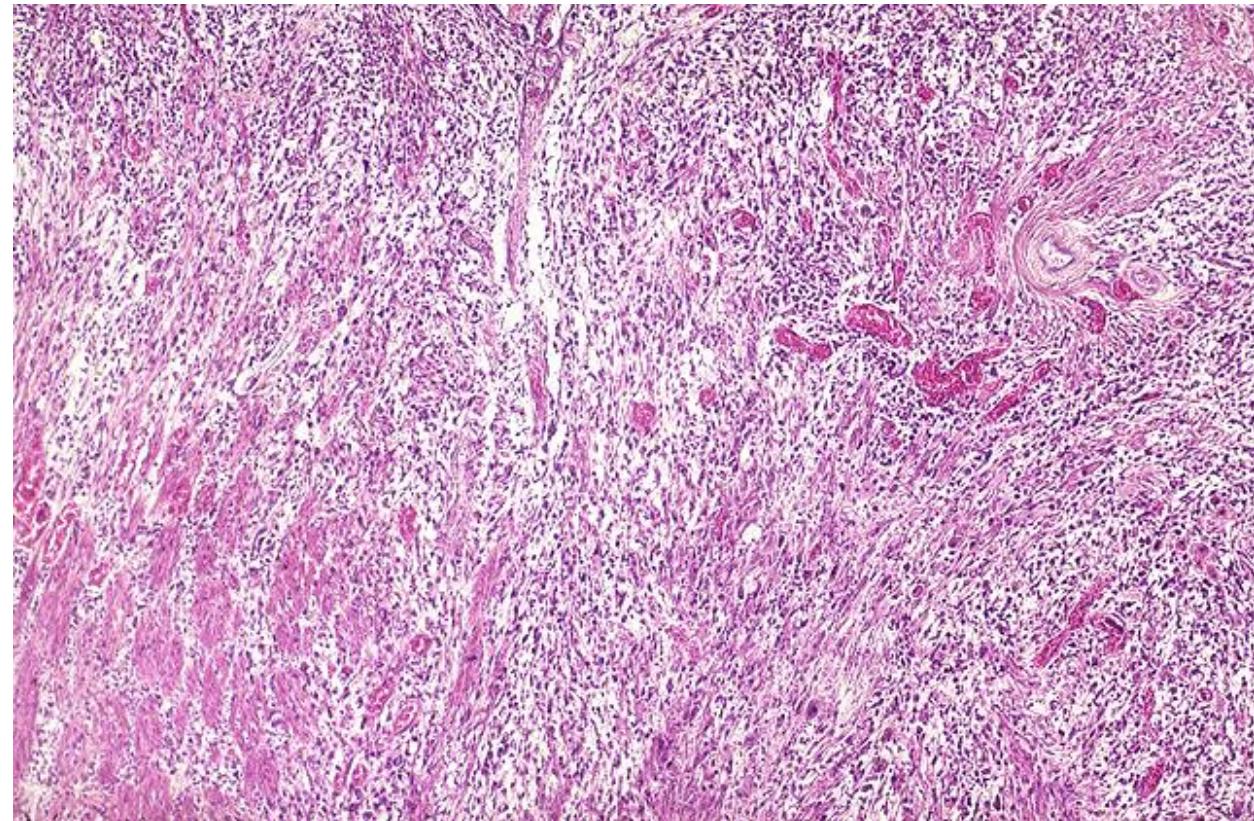
**TB Case Number:** 206

**Gender:** Male

**Age (yrs.):** 29

**Otologic Diagnosis:**

1. Teratoma, malignant, immature, extension to internal auditory canal (IAC), bilateral, most severe on right
2. Cochlear duct and saccule, neoplasm IAC, bilateral
3. Stain, acidophilic, inner ear fluids, neoplasm IAC, bilateral
4. Cribose areas and Rosenthal's canal, neoplastic invasion, basal turn, right
5. Artifact, preparation, membranous labyrinth, tears, bilateral
6. Organ of Corti, partial atrophy, neoplasm, basal turn, right



# Malignant Teratoma, L-191

**Title:** Malignant Teratoma, L-191

**Chapter:** Neoplasms

**Chapter Section:** Other Neoplastic Diseases, Teratoma

**TB Case Number:** 206

**Gender:** Male

**Age (yrs.):** 29

**Otologic Diagnosis:**

1. Teratoma, malignant, immature, extension to internal auditory canal (IAC), bilateral, most severe on right
2. Cochlear duct and saccule, neoplasm IAC, bilateral
3. Stain, acidophilic, inner ear fluids, neoplasm IAC, bilateral
4. Cribrose areas and Rosenthal's canal, neoplastic invasion, basal turn, right
5. Artifact, preparation, membranous labyrinth, tears, bilateral
6. Organ of Corti, partial atrophy, neoplasm, basal turn, right



# Malignant Teratoma, L-191

**Title:** Malignant Teratoma, L-191

**Chapter:** Neoplasms

**Chapter Section:** Other Neoplastic Diseases, Teratoma

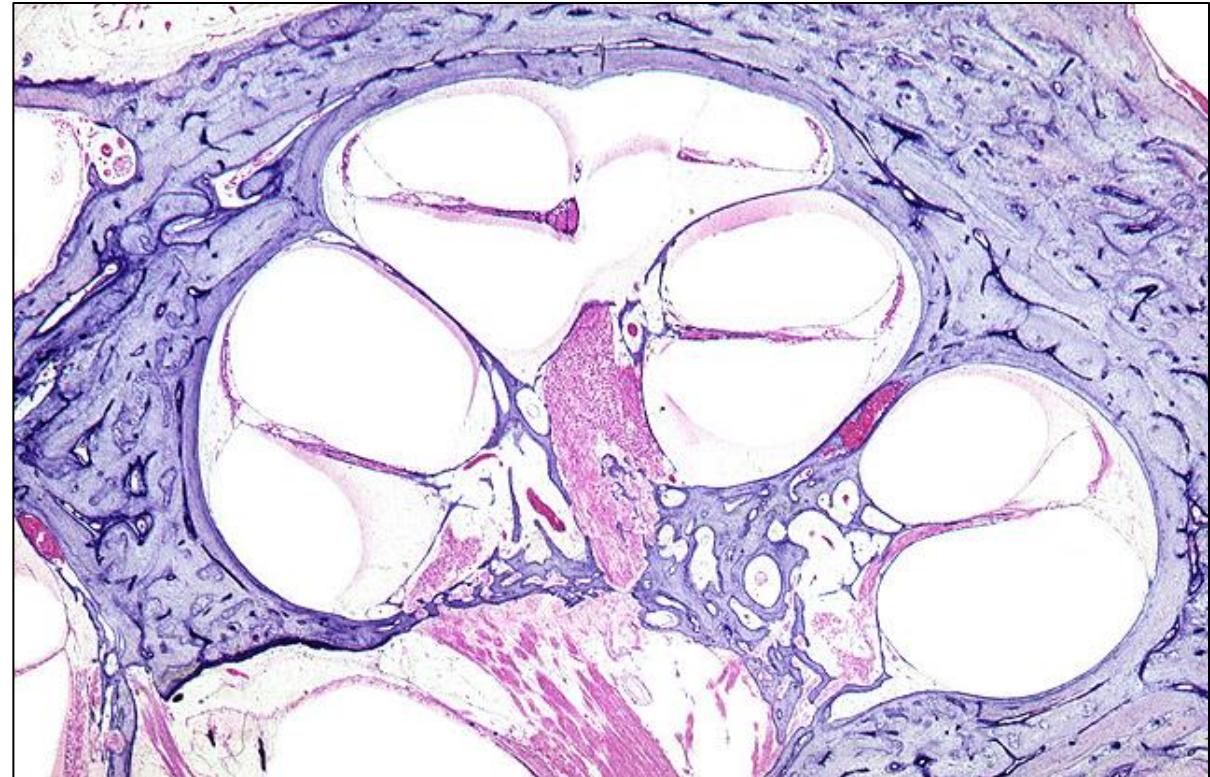
**TB Case Number:** 206

**Gender:** Male

**Age (yrs.):** 29

**Otologic Diagnosis:**

1. Teratoma, malignant, immature, extension to internal auditory canal (IAC), bilateral, most severe on right
2. Cochlear duct and saccule, neoplasm IAC, bilateral
3. Stain, acidophilic, inner ear fluids, neoplasm IAC, bilateral
4. Cribrose areas and Rosenthal's canal, neoplastic invasion, basal turn, right
5. Artifact, preparation, membranous labyrinth, tears, bilateral
6. Organ of Corti, partial atrophy, neoplasm, basal turn, right



# Endolymphatic Sac, CA Primary, R-220

**Title:** Endolymphatic Sac, CA Primary, R-220

**Chapter:** Neoplasms

**Chapter Section:** Adenoma ( endolymphatic sac tumor, von Hippel-Lindau disease), Other primary neoplasms, Primary Neoplasms

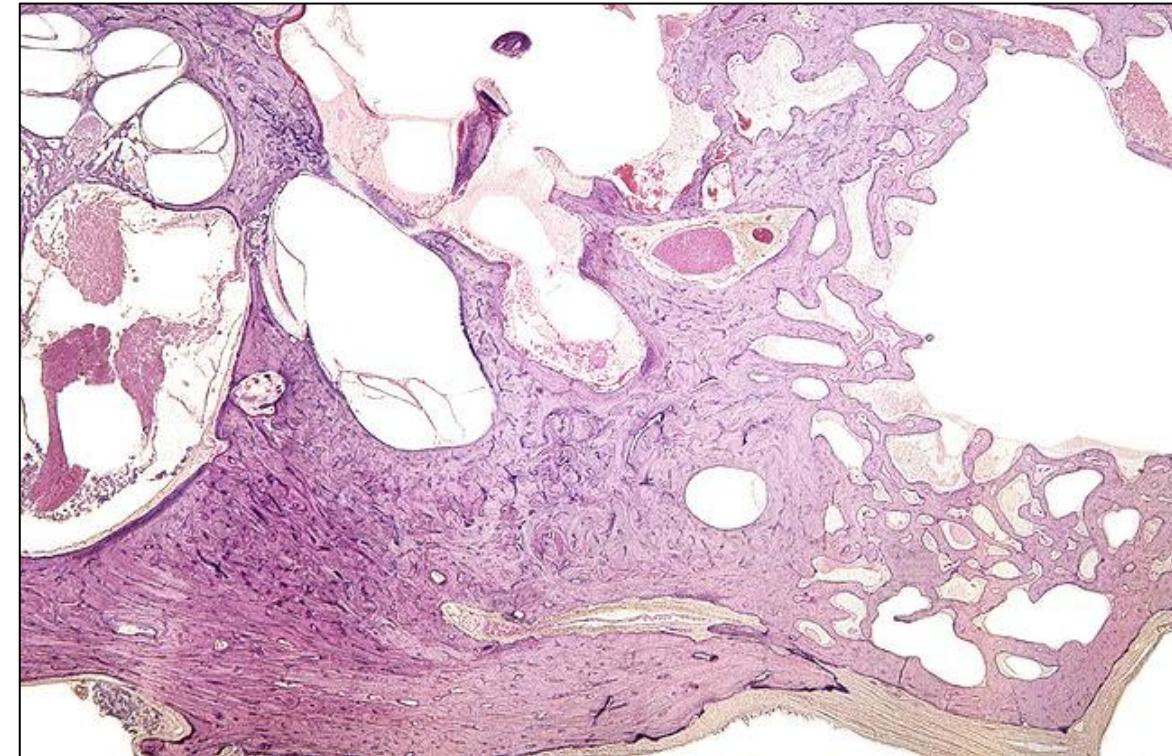
**TB Case Number:** 98

**Gender:** Male

**Age (yrs.):** 48

**Otologic Diagnosis:**

1. Von Hippel-Lindau disease
2. Adenocarcinoma, metastatic, renal cell, von Hippel-Lindau disease, left temporal bone
3. Neoplasm, malignant, aggressive papillary adenomatous tumor, endolymphatic sac tumor (ELST), left temporal bone
4. Neoplasm, endolymphatic sac tumor (ELST), papillary proliferative adenoma, focal, right
5. Temporal bone, destruction by metastatic renal cell carcinoma and direct invasion by endolymphatic sac tumor, left



# Endolymphatic Sac, CA Primary, R-220

**Title:** Endolymphatic Sac, CA Primary, R-220

**Chapter:** Neoplasms

**Chapter Section:** Adenoma ( endolymphatic sac tumor, von Hippel-Lindau disease), Other primary neoplasms, Primary Neoplasms

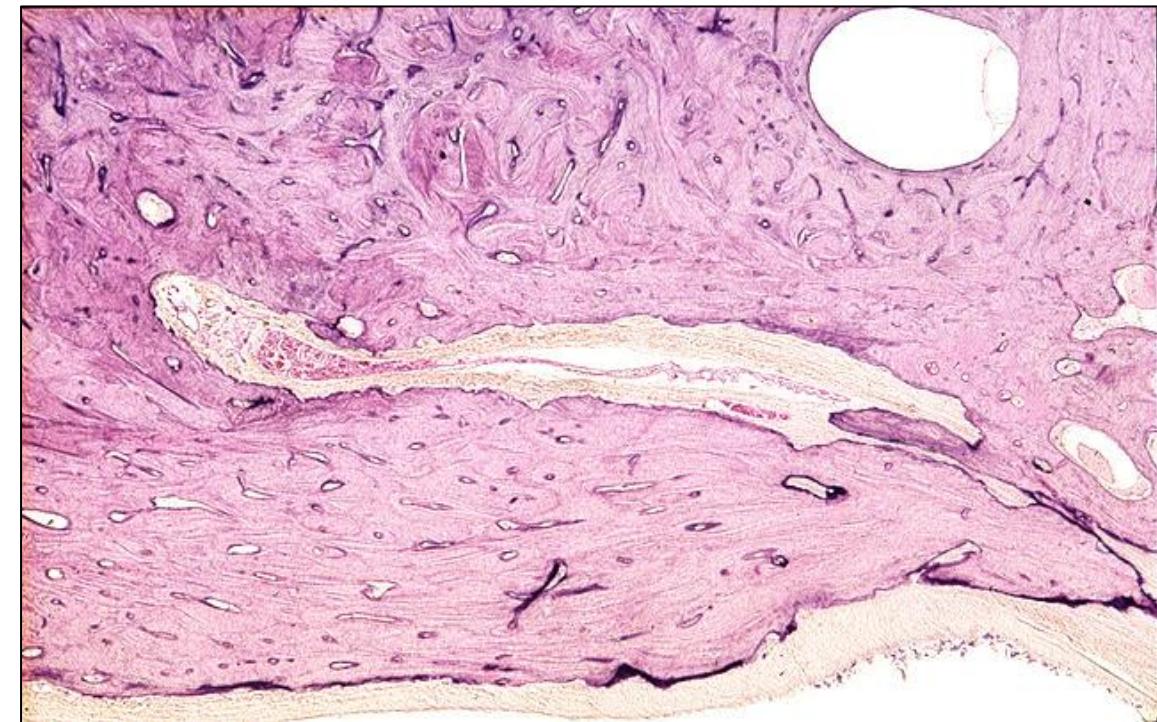
**TB Case Number:** 98

**Gender:** Male

**Age (yrs.):** 48

**Otologic Diagnosis:**

1. Von Hippel-Lindau disease
2. Adenocarcinoma, metastatic, renal cell, von Hippel-Lindau disease, left temporal bone
3. Neoplasm, malignant, aggressive papillary adenomatous tumor, endolymphatic sac tumor (ELST), left temporal bone
4. Neoplasm, endolymphatic sac tumor (ELST), papillary proliferative adenoma, focal, right
5. Temporal bone, destruction by metastatic renal cell carcinoma and direct invasion by endolymphatic sac tumor, left



# Endolymphatic Sac, CA Primary, R-220

**Title:** Endolymphatic Sac, CA Primary, R-220

**Chapter:** Neoplasms

**Chapter Section:** Adenoma ( endolymphatic sac tumor, von Hippel-Lindau disease), Other primary neoplasms, Primary Neoplasms

**TB Case Number:** 98

**Gender:** Male

**Age (yrs.):** 48

**Otologic Diagnosis:**

1. Von Hippel-Lindau disease
2. Adenocarcinoma, metastatic, renal cell, von Hippel-Lindau disease, left temporal bone
3. Neoplasm, malignant, aggressive papillary adenomatous tumor, endolymphatic sac tumor (ELST), left temporal bone
4. Neoplasm, endolymphatic sac tumor (ELST), papillary proliferative adenoma, focal, right
5. Temporal bone, destruction by metastatic renal cell carcinoma and direct invasion by endolymphatic sac tumor, left



# Adenoid Cystic Carcinoma, Invasion Parotid, L-230

**Title:** Adenoid Cystic Carcinoma, Invasion Parotid, L-230

**Chapter:** Neoplasms

**Chapter Section:** Adenoid cystic carcinoma, Primary Neoplasms

**TB Case Number:** 692

**Gender:** Female

**Age (yrs.):** 47

**Otologic Diagnosis:**

Adenoid cystic carcinoma of the temporal bone, left



# Adenoid Cystic Carcinoma, L-271

**Title:** Adenoid Cystic Carcinoma, L-271

**Chapter:** Neoplasms

**Chapter Section:** Adenoid cystic carcinoma,  
Primary Neoplasms

**TB Case Number:** 692

**Gender:** Female

**Age (yrs.):** 47

**Otologic Diagnosis:**

Adenoid cystic carcinoma of the temporal bone,  
left



# Adenoid Cystic Carcinoma, L-281

**Title:** Adenoid Cystic Carcinoma, L-281

**Chapter:** Neoplasms

**Chapter Section:** Adenoid cystic carcinoma,  
Primary Neoplasms

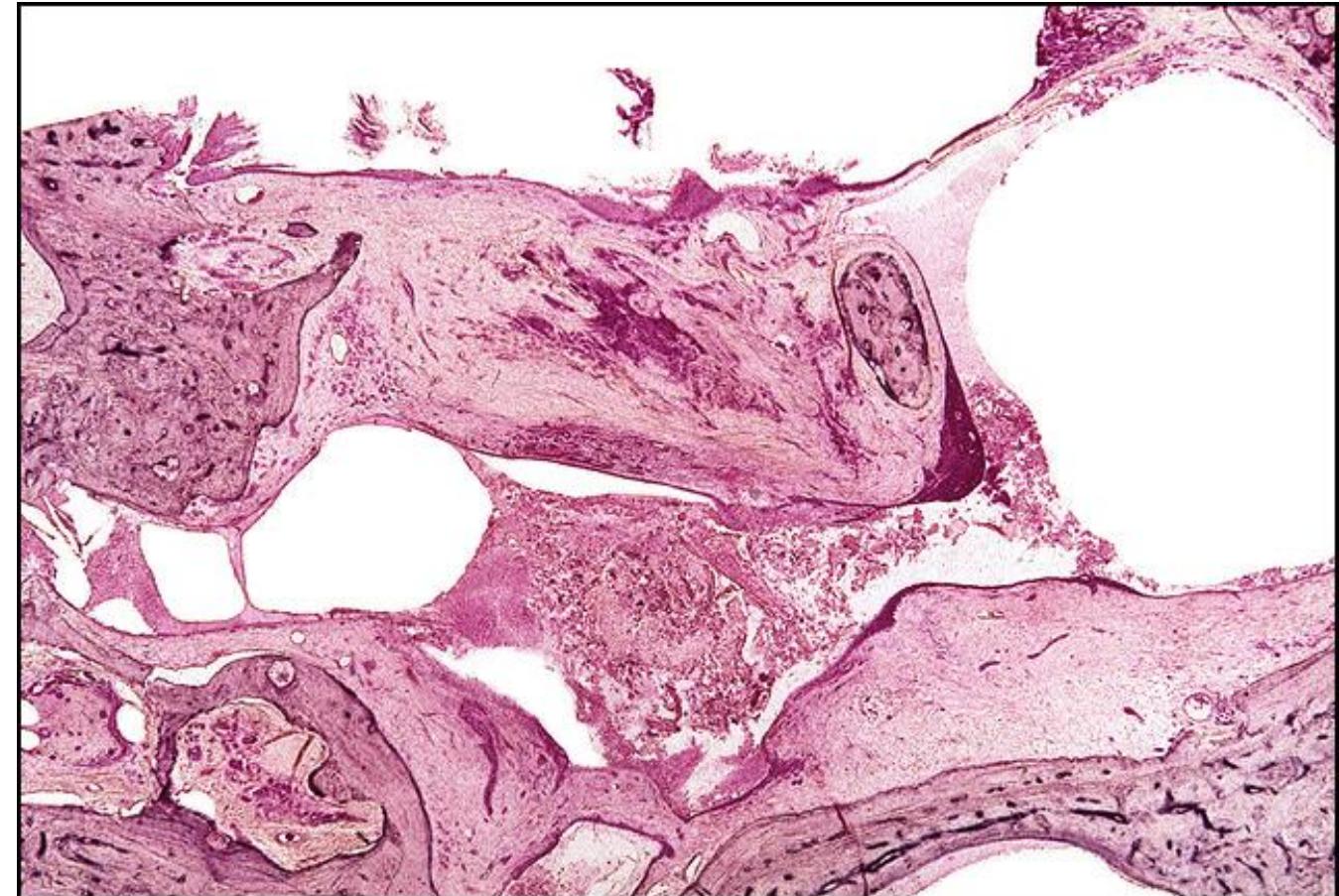
**TB Case Number:** 692

**Gender:** Female

**Age (yrs.):** 47

**Otologic Diagnosis:**

Adenoid cystic carcinoma of the temporal bone,  
left



# Adenoid Cystic Carcinoma, L-461

**Title:** Adenoid Cystic Carcinoma, L-461

**Chapter:** Neoplasms

**Chapter Section:** Adenoid cystic carcinoma,  
Primary Neoplasms

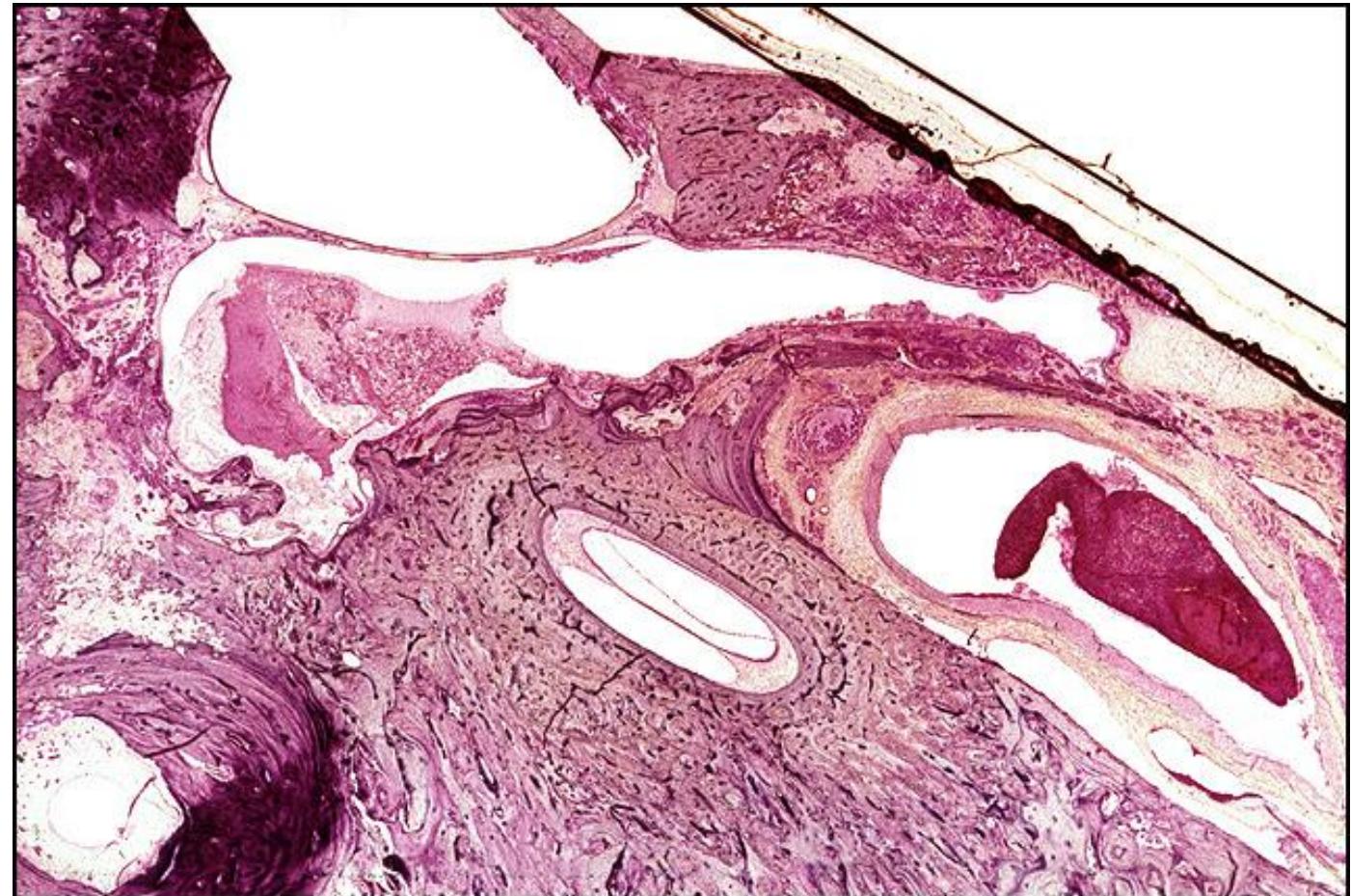
**TB Case Number:** 692

**Gender:** Female

**Age (yrs.):** 47

**Otologic Diagnosis:**

Adenoid cystic carcinoma of the temporal bone,  
left



# Adenoid Cystic Carcinoma, L-322

**Title:** Adenoid Cystic Carcinoma, L-322

**Chapter:** Neoplasms

**Chapter Section:** Adenoid cystic carcinoma,  
Primary Neoplasms

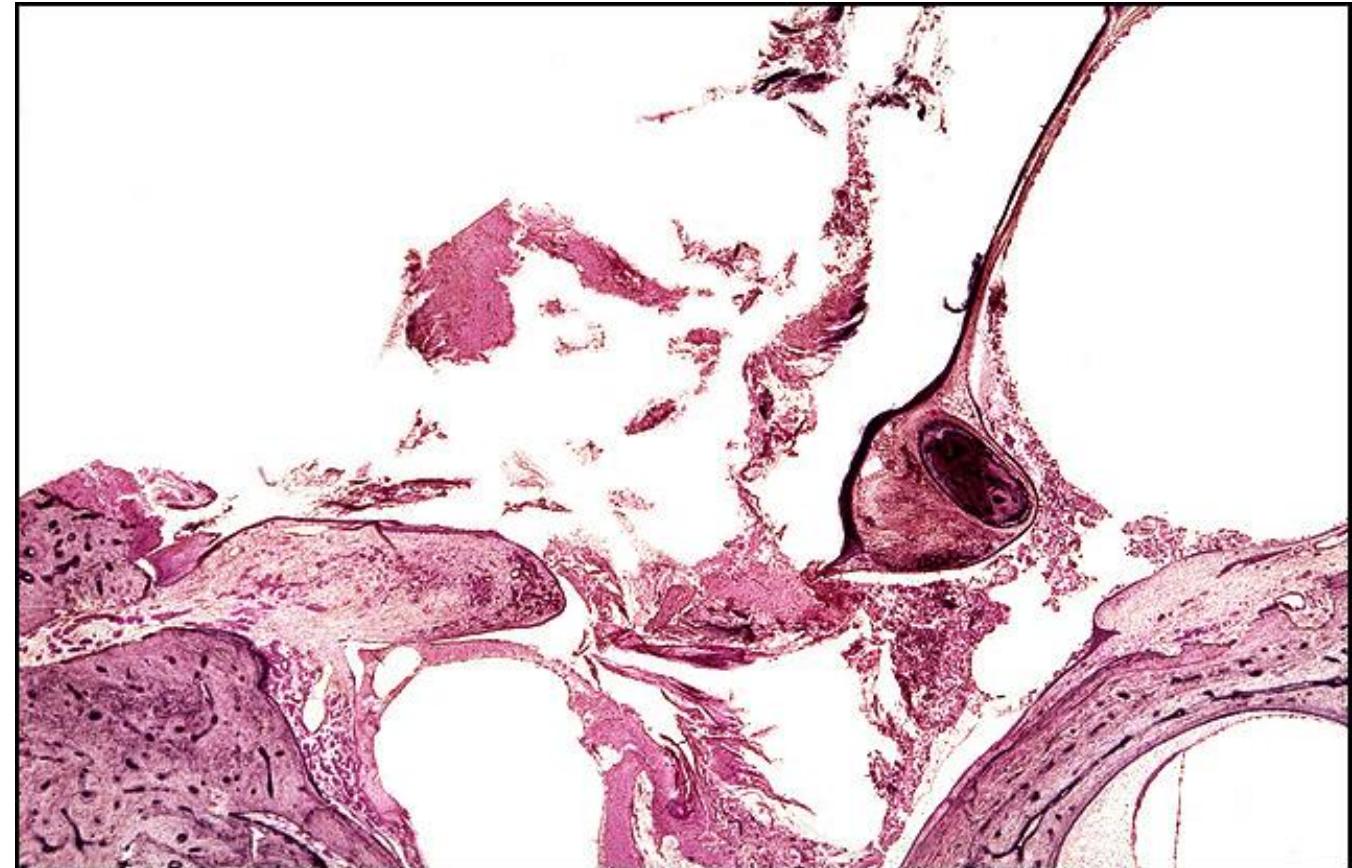
**TB Case Number:** 692

**Gender:** Female

**Age (yrs.):** 47

**Otologic Diagnosis:**

Adenoid cystic carcinoma of the temporal bone,  
left



# Adenoid Cystic Carcinoma, L-51

**Title:** Adenoid Cystic Carcinoma, L-51

**Chapter:** Neoplasms

**Chapter Section:** Adenoid cystic carcinoma,  
Primary Neoplasms

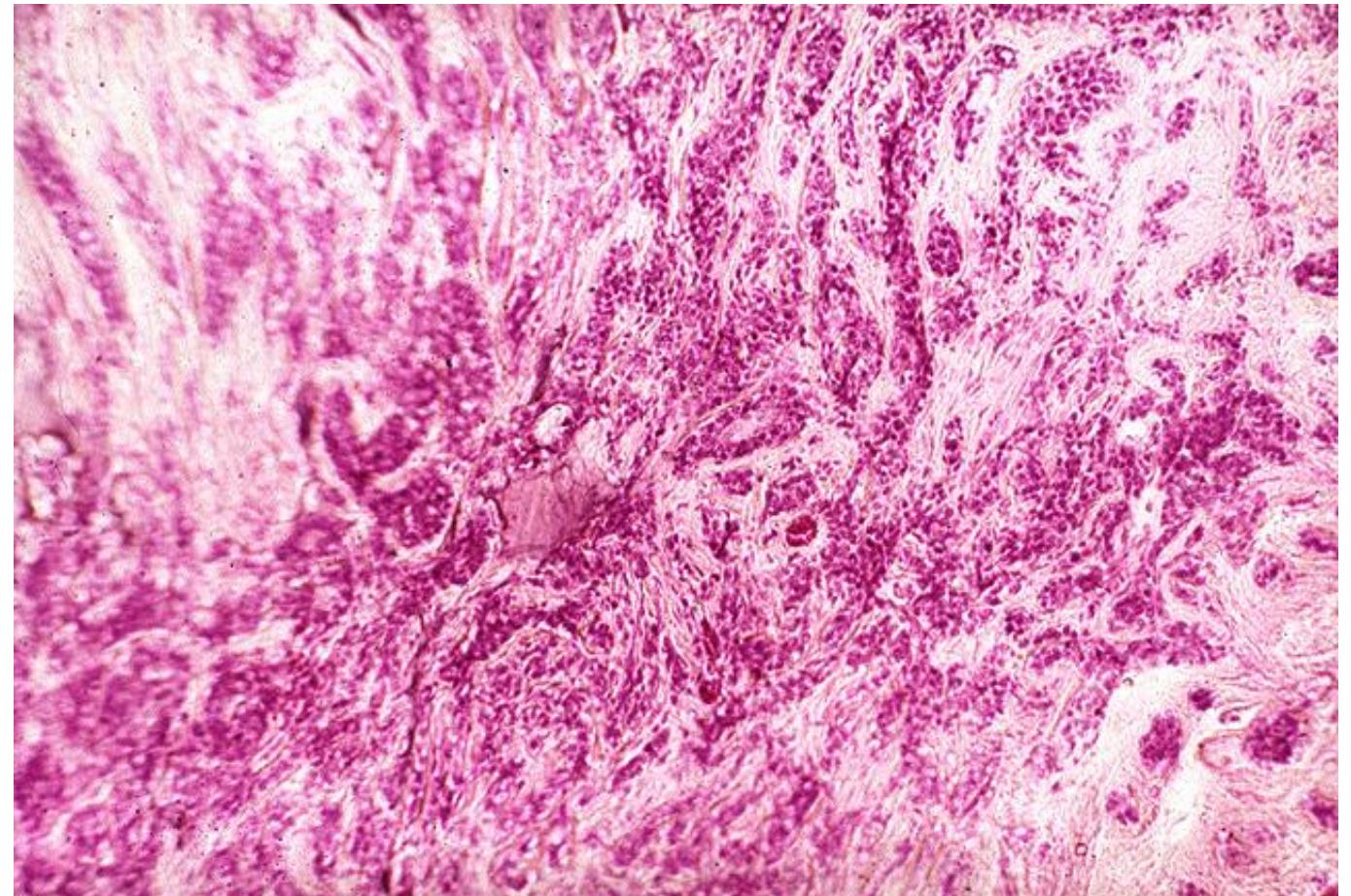
**TB Case Number:** 692

**Gender:** Female

**Age (yrs.):** 47

**Otologic Diagnosis:**

Adenoid cystic carcinoma of the temporal bone,  
left



# Endolymphatic Sac Tumor, L-221

**Title:** Endolymphatic Sac Tumor, L-221

**Chapter:** Neoplasms

**Chapter Section:** Adenoma (endolymphatic sac tumor, von Hippel-Lindau disease), Other primary neoplasms, Primary Neoplasms

**TB Case Number:** 910

**Gender:** Male

**Age (yrs.):** 40

**Otologic Diagnosis:**

1. Endolymphatic sac tumor (papillary cystadenoma), bilateral
2. Endolymphatic hydrops, cochlear and vestibular labyrinths, bilateral
3. Endolymphatic space , inflammation with cholesterol, right
4. Mastoidectomy, canal-wall up (sac decompression), bilateral
5. Chronic meningitis
6. Internal auditory canal, patulous, bilateral
7. Facial nerve, geniculate ganglion, anatomical variant, bilateral
8. Artifact, removal, external auditory canal, middle ear and inner ear, right



# Endolymphatic Sac Tumor, L-290

**Title:** Endolymphatic Sac Tumor, L-290

**Chapter:** Neoplasms

**Chapter Section:** Adenoma (endolymphatic sac tumor, von Hippel-Lindau disease), Other primary neoplasms, Primary Neoplasms

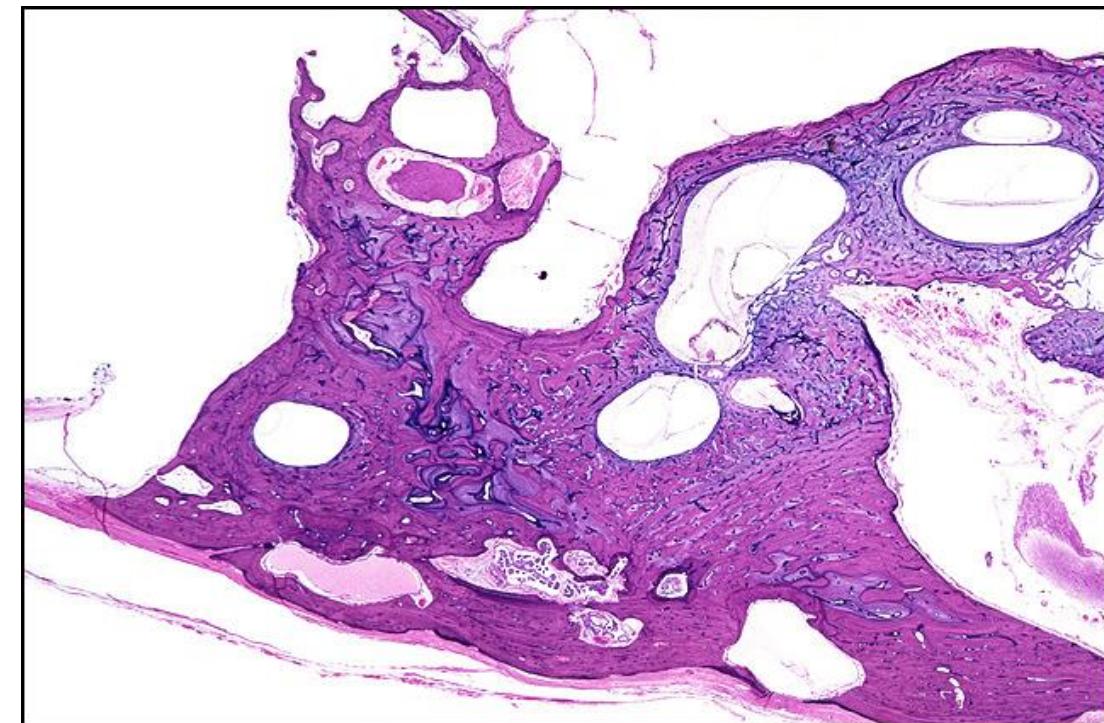
**TB Case Number:** 910

**Gender:** Male

**Age (yrs.):** 40

**Otologic Diagnosis:**

1. Endolymphatic sac tumor (papillary cystadenoma), bilateral
2. Endolymphatic hydrops, cochlear and vestibular labyrinths, bilateral
3. Endolymphatic space , inflammation with cholesterol, right
4. Mastoidectomy, canal-wall up (sac decompression), bilateral
5. Chronic meningitis
6. Internal auditory canal, patulous, bilateral
7. Facial nerve, geniculate ganglion, anatomical variant, bilateral
8. Artifact, removal, external auditory canal, middle ear and inner ear, right



# Endolymphatic Sac Tumor, L-347

**Title:** Endolymphatic Sac Tumor, L-347

**Chapter:** Neoplasms

**Chapter Section:** Adenoma (endolymphatic sac tumor,  
von Hippel-Lindau disease), Other primary neoplasms,  
Primary Neoplasms

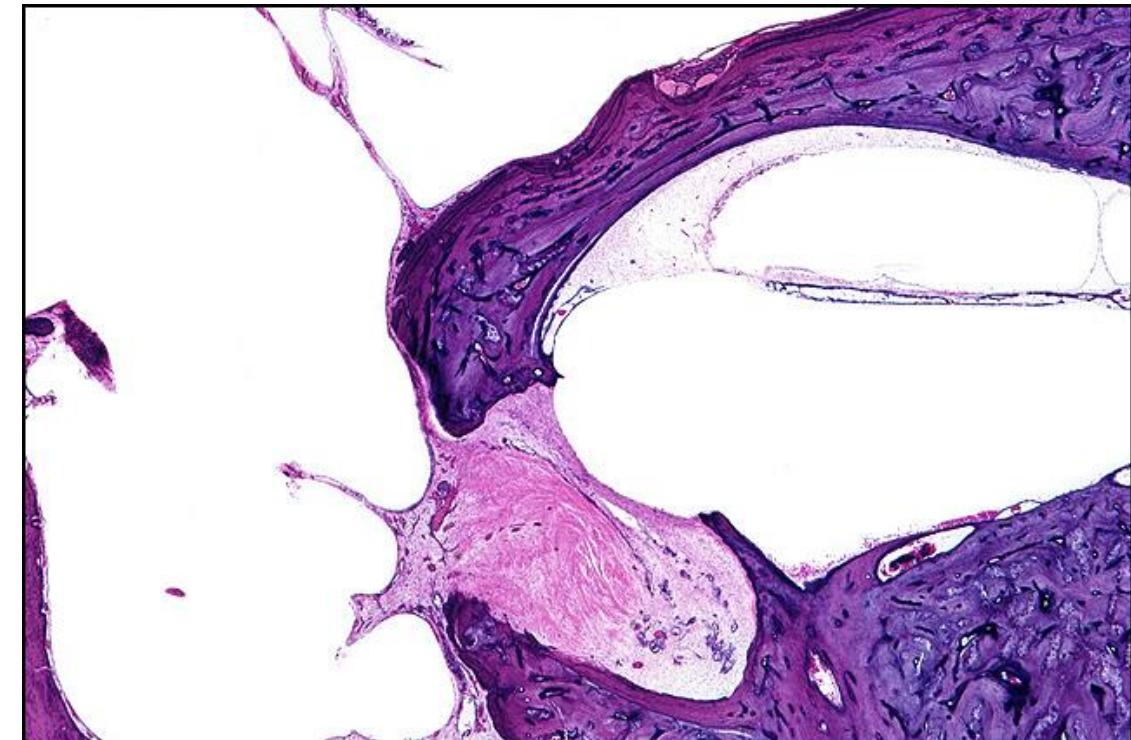
**TB Case Number:** 910

**Gender:** Male

**Age (yrs.):** 40

**Otologic Diagnosis:**

1. Endolymphatic sac tumor (papillary cystadenoma), bilateral
2. Endolymphatic hydrops, cochlear and vestibular labyrinths, bilateral
3. Endolymphatic space , inflammation with cholesterol, right
4. Mastoidectomy, canal-wall up (sac decompression), bilateral
5. Chronic meningitis
6. Internal auditory canal, patulous, bilateral
7. Facial nerve, geniculate ganglion, anatomical variant, bilateral
8. Artifact, removal, external auditory canal, middle ear and inner ear, right



# Carcinomatous Meningitis, R-226

**Title:** Carcinomatous Meningitis, R-226

**Chapter:** Neoplasms

**Chapter Section:** Metastatic neoplasms, Primary  
Neoplasms

**TB Case Number:** 53

**Gender:** Male

**Age (yrs.):** 77

**Otologic Diagnosis:**

1. Carcinomatous meningitis, bilateral
2. Membranous labyrinth, partial degeneration,  
secondary to metastatic carcinoma of the internal  
auditory canal, bilateral
3. Sensory and neural structures, partial degeneration  
secondary to metastatic carcinoma of the internal  
auditory canal, left greater than right, bilateral
4. Perilymphatic space, protein accumulation, bilateral



# Carcinomatous Meningitis, L-216

**Title:** Carcinomatous Meningitis, L-216

**Chapter:** Neoplasms

**Chapter Section:** Metastatic neoplasms,  
Primary Neoplasms

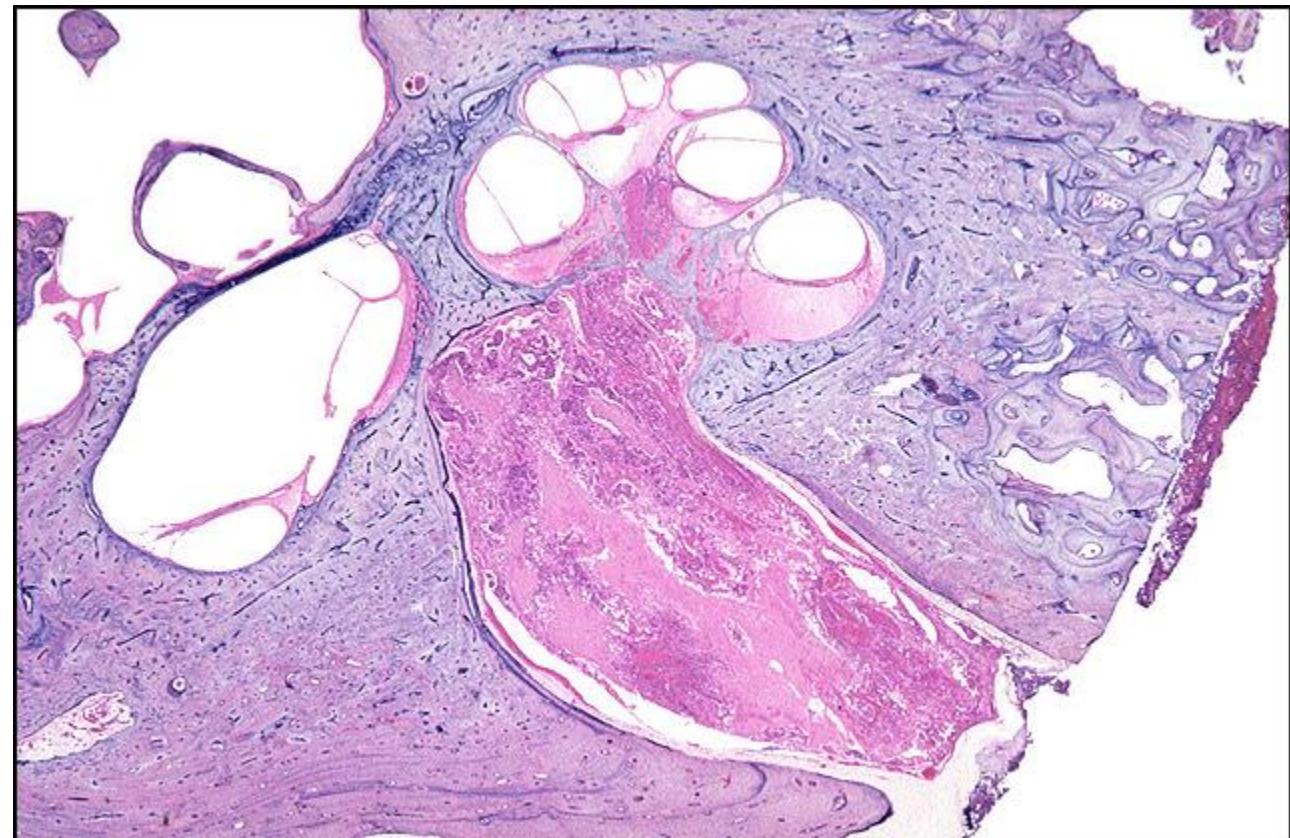
**TB Case Number:** 53

**Gender:** Male

**Age (yrs.):** 77

**Otologic Diagnosis:**

1. Carcinomatous meningitis, bilateral
2. Membranous labyrinth, partial degeneration,  
secondary to metastatic carcinoma of the internal  
auditory canal, bilateral
3. Sensory and neural structures, partial degeneration  
secondary to metastatic carcinoma of the internal  
auditory canal, left greater than right, bilateral
4. Perilymphatic space, protein accumulation,  
bilateral



# Carcinomatous Meningitis, R-226

**Title:** Carcinomatous Meningitis, R-226

**Chapter:** Neoplasms

**Chapter Section:** Metastatic neoplasms,  
Primary Neoplasms

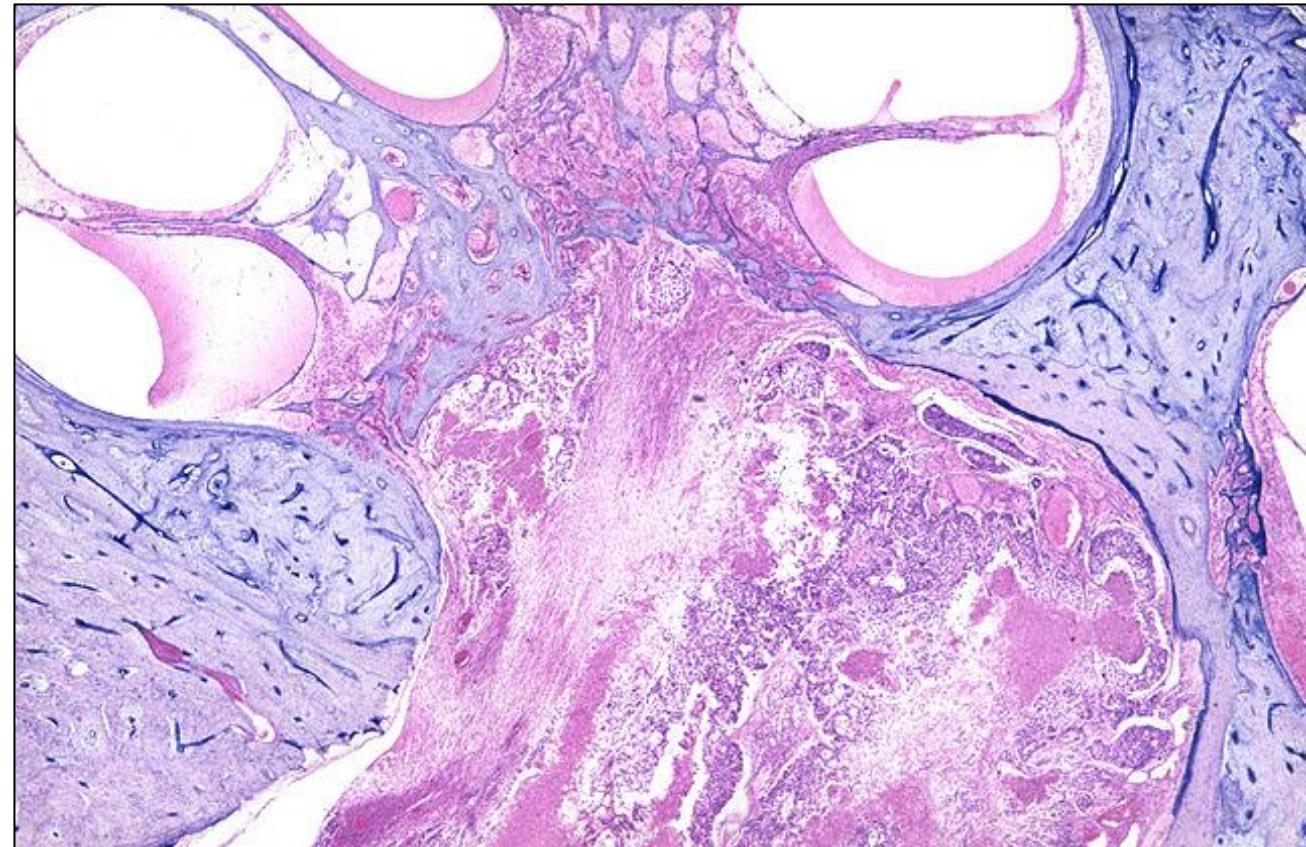
**TB Case Number:** 53

**Gender:** Male

**Age (yrs.):** 77

**Otologic Diagnosis:**

1. Carcinomatous meningitis, bilateral
2. Membranous labyrinth, partial degeneration,  
secondary to metastatic carcinoma of the internal  
auditory canal, bilateral
3. Sensory and neural structures, partial degeneration  
secondary to metastatic carcinoma of the internal  
auditory canal, left greater than right, bilateral
4. Perilymphatic space, protein accumulation,  
bilateral



# Carcinomatous Meningitis, L-216

**Title:** Carcinomatous Meningitis, L-216

**Chapter:** Neoplasms

**Chapter Section:** Metastatic neoplasms, Primary Neoplasms

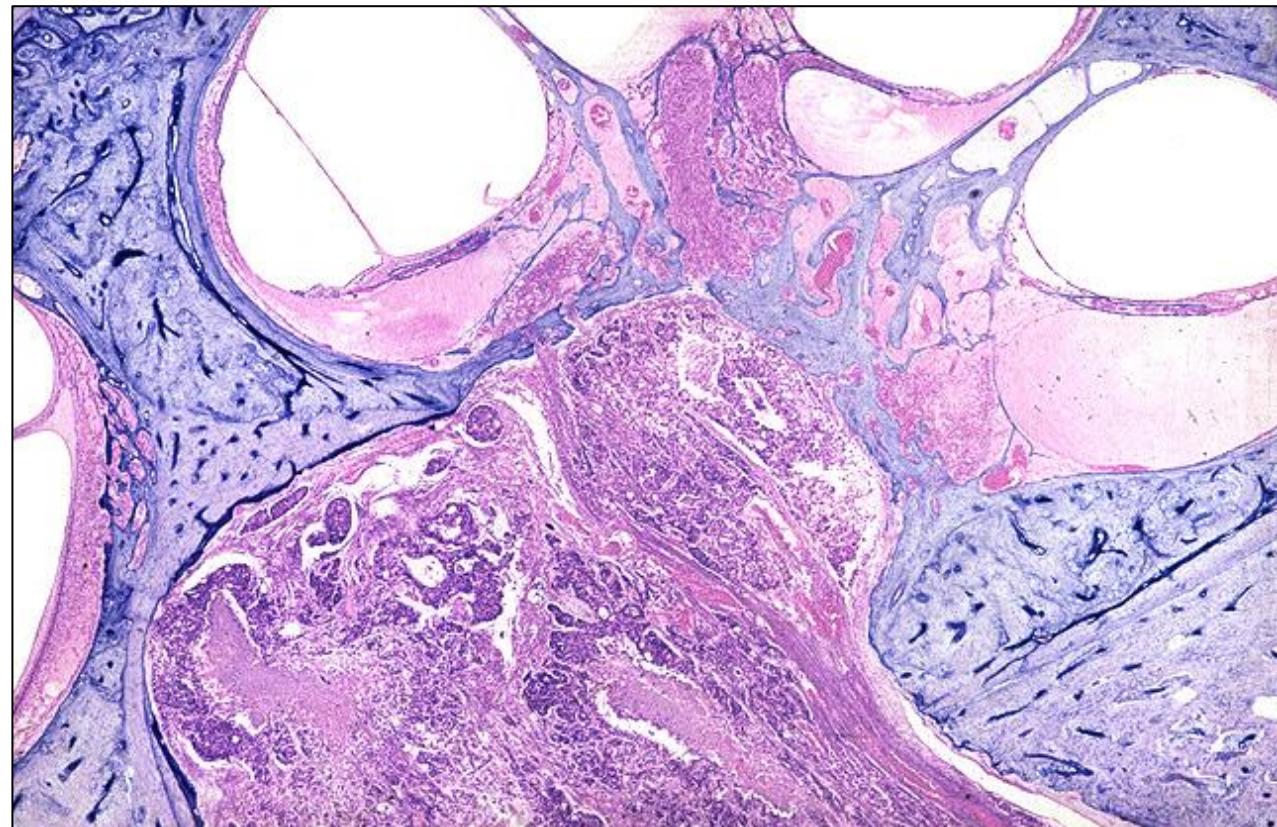
**TB Case Number:** 53

**Gender:** Male

**Age (yrs.):** 77

**Otologic Diagnosis:**

1. Carcinomatous meningitis, bilateral
2. Membranous labyrinth, partial degeneration, secondary to metastatic carcinoma of the internal auditory canal, bilateral
3. Sensory and neural structures, partial degeneration secondary to metastatic carcinoma of the internal auditory canal, left greater than right, bilateral
4. Perilymphatic space, protein accumulation, bilateral



# Carcinomatous Meningitis, R-271

**Title:** Carcinomatous Meningitis, R-271

**Chapter:** Neoplasms

**Chapter Section:** Metastatic neoplasms,  
Primary Neoplasms

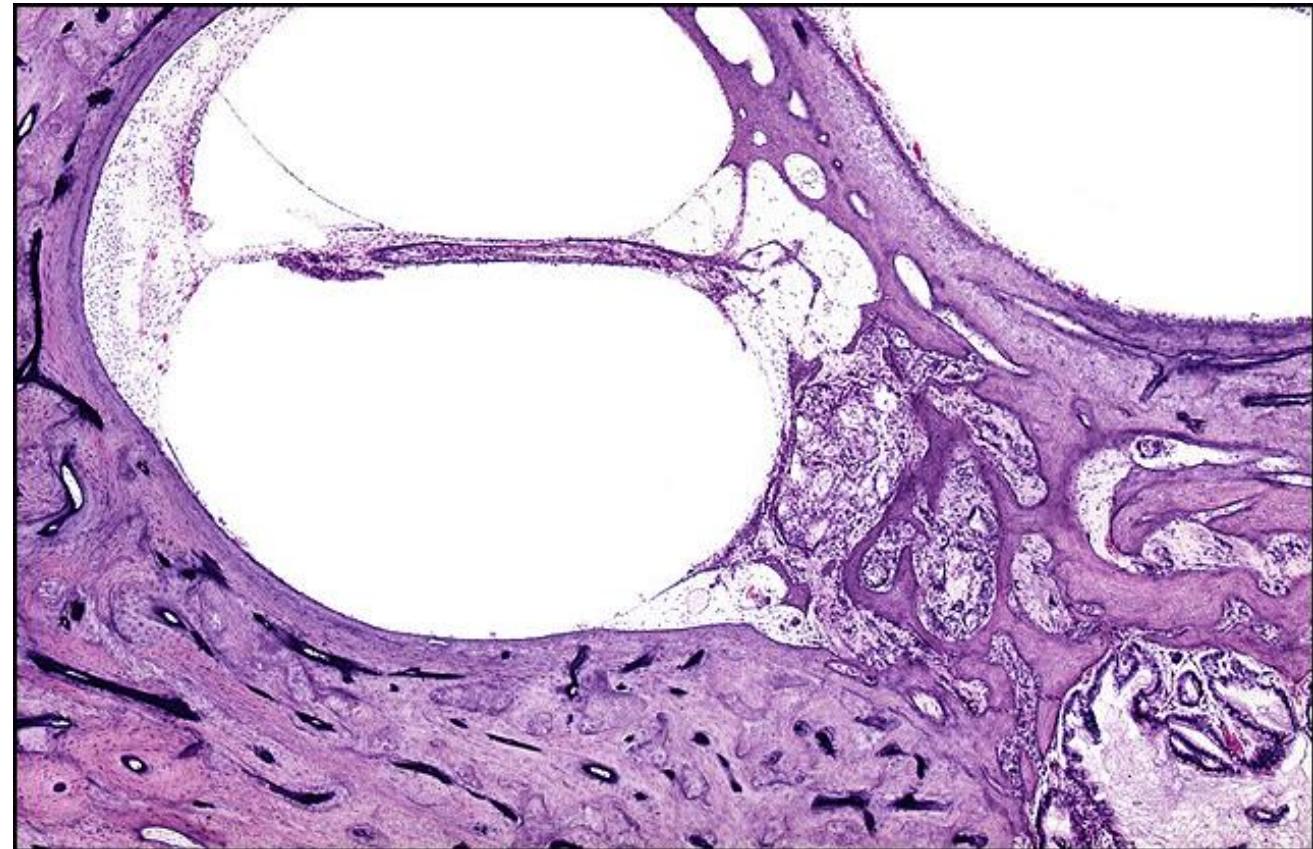
**TB Case Number:** 779

**Gender:** Male

**Age (yrs.):** 61

**Otologic Diagnosis:**

1. Meningeal carcinomatosis with invasion of internal auditory canals, Rosenthal's canals, and osseous spiral laminae, bilateral
2. Acidophilic staining, perilymph, left
3. Normal auditory and vestibular sensory and neural structures, bilateral



# Metastatic Melanoma, Breast, R-262

**Title:** Metastatic Melanoma, Breast, R-262

**Chapter:** Neoplasms

**Chapter Section:** Metastatic neoplasms, Primary  
Neoplasms

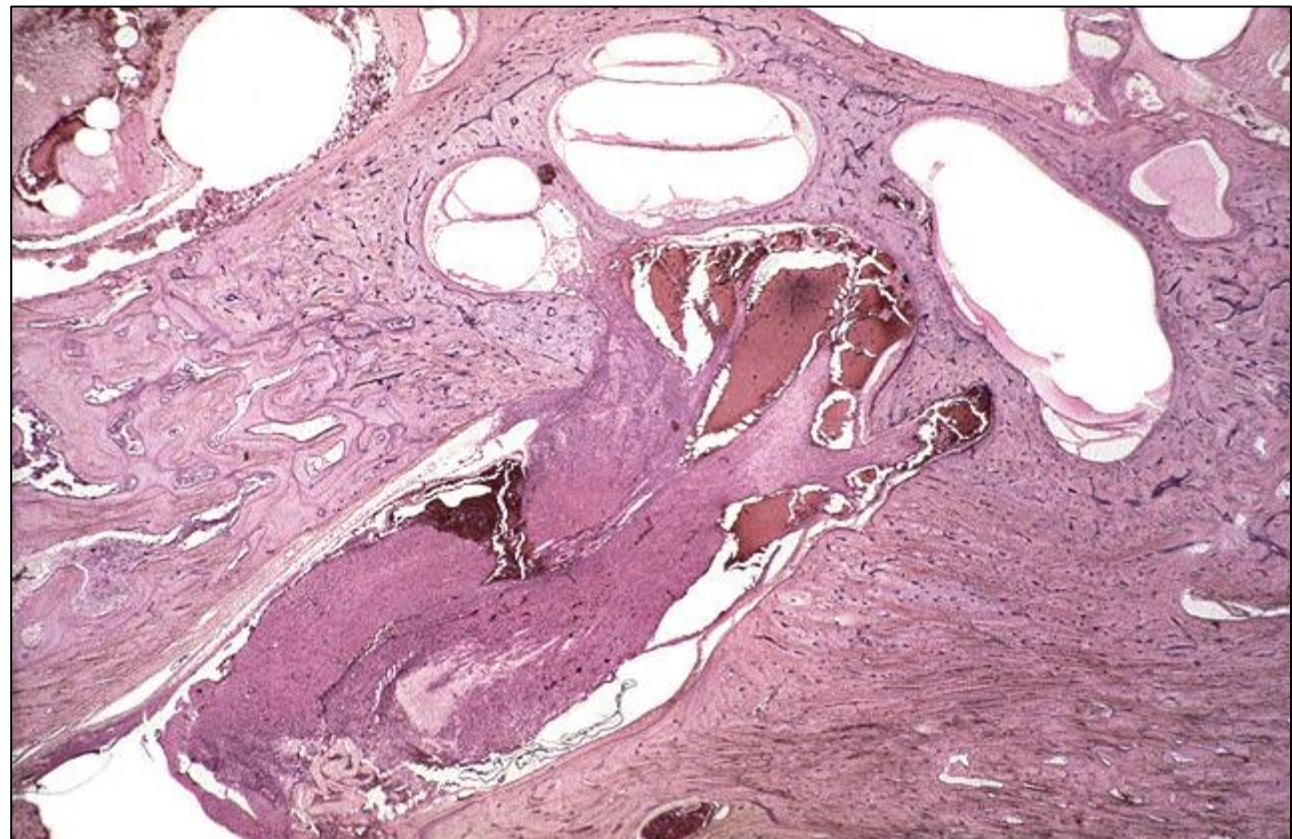
**TB Case Number:** 330

**Gender:** Male

**Age (yrs.):** 29

**Otologic Diagnosis:**

1. Neoplasm (melanoma), metastatic, external  
auditory canal, right
2. Serous otitis, presumably due to blocked eustachian  
tube, right
3. Serous otitis, terminal, left
4. Subarachnoid hemorrhage, internal auditory canal,  
right



# Metastatic Pancreas Carcinoma in L. Ossificans, R-301

**Title:** Metastatic Pancreas Carcinoma in  
L. Ossificans, R-301

**Chapter:** Neoplasms

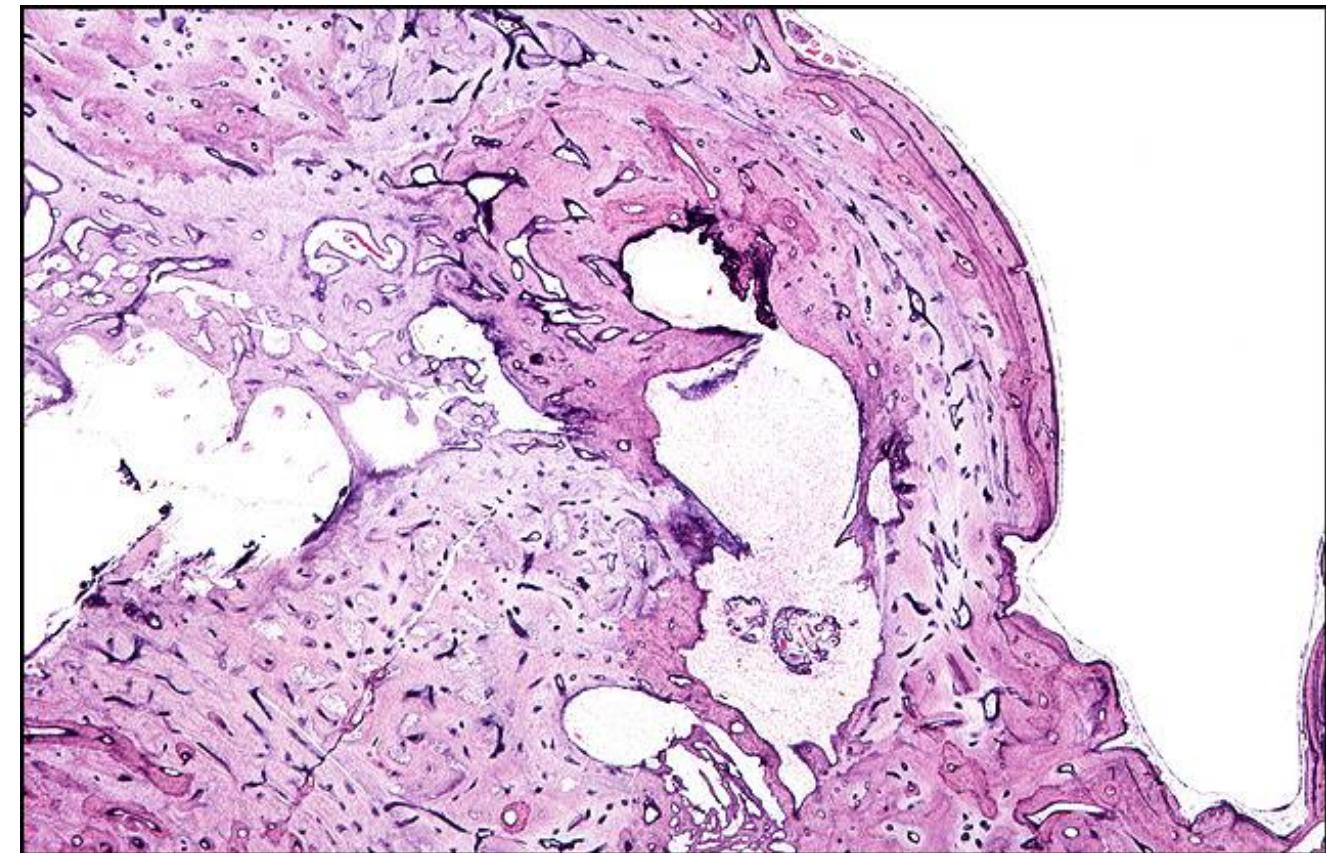
**TB Case Number:** 873

**Gender:** Female

**Age(yrs.):** 84

**Otologic Diagnosis:**

1. Labyrinthitis ossificans, secondary to meningitis, severe, bilateral
2. Metastatic carcinoma, vestibule, small, from pancreas, right
3. Schwannoma, small, vestibule, left
4. Neurons, cochlear and vestibular, survival without dendrites, minimal, bilateral



# Metastatic Pancreas Carcinoma, R-301

**Title:** Metastatic Pancreas Carcinoma, R-301

**Chapter:** Neoplasms

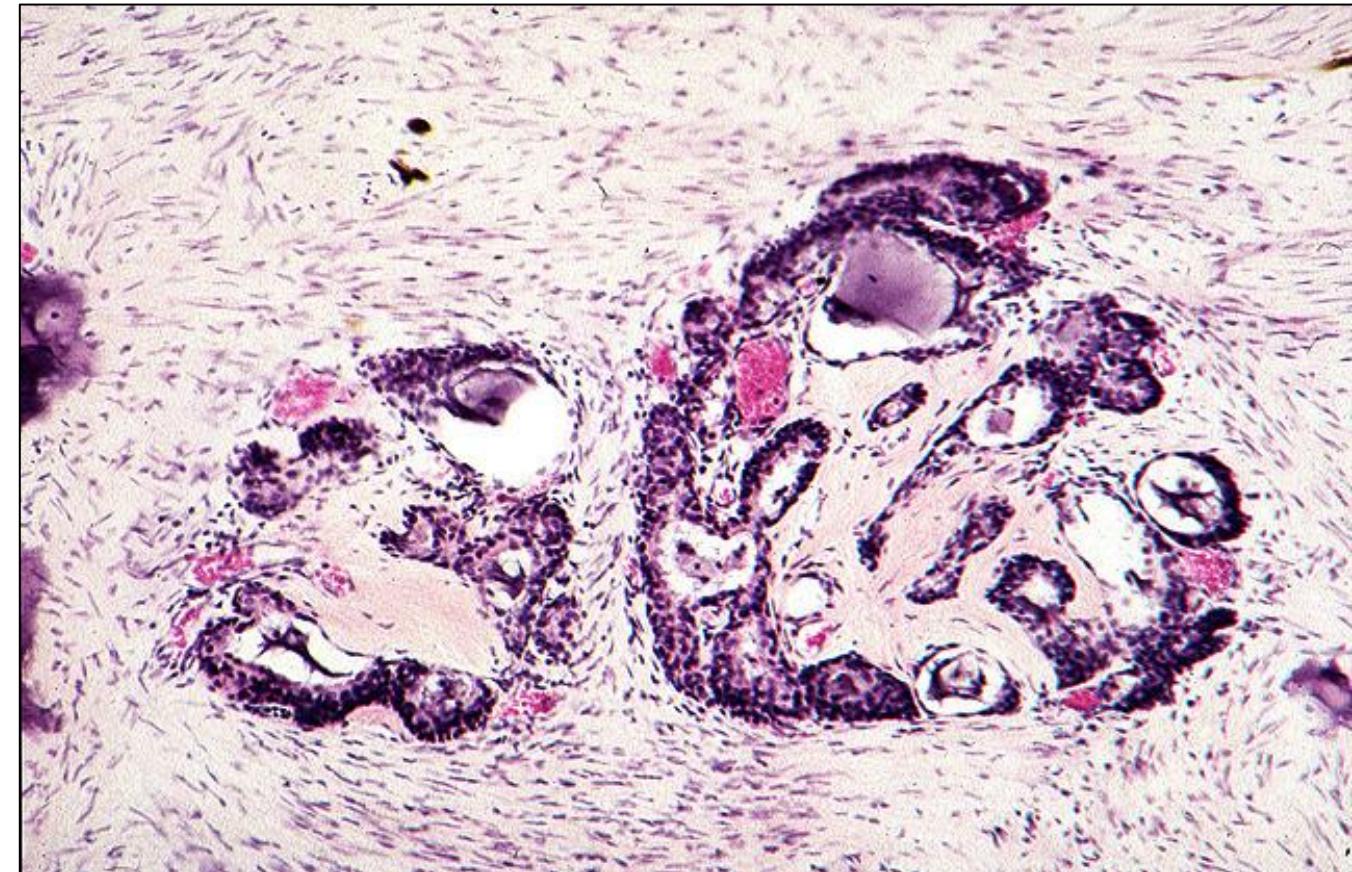
**TB Case Number:** 873

**Gender:** Female

**Age(yrs.):** 84

**Otologic Diagnosis:**

1. Labyrinthitis ossificans, secondary to meningitis, severe, bilateral
2. Metastatic carcinoma, vestibule, small, from pancreas, right
3. Schwannoma, small, vestibule, left
4. Neurons, cochlear and vestibular, survival without dendrites, minimal, bilateral



# Myelocytic Leukemia, L-250

**Title:** Myelocytic Leukemia, L-250

**Chapter:** Neoplasms

**Chapter Section:** Leukemia, Other Neoplastic Diseases

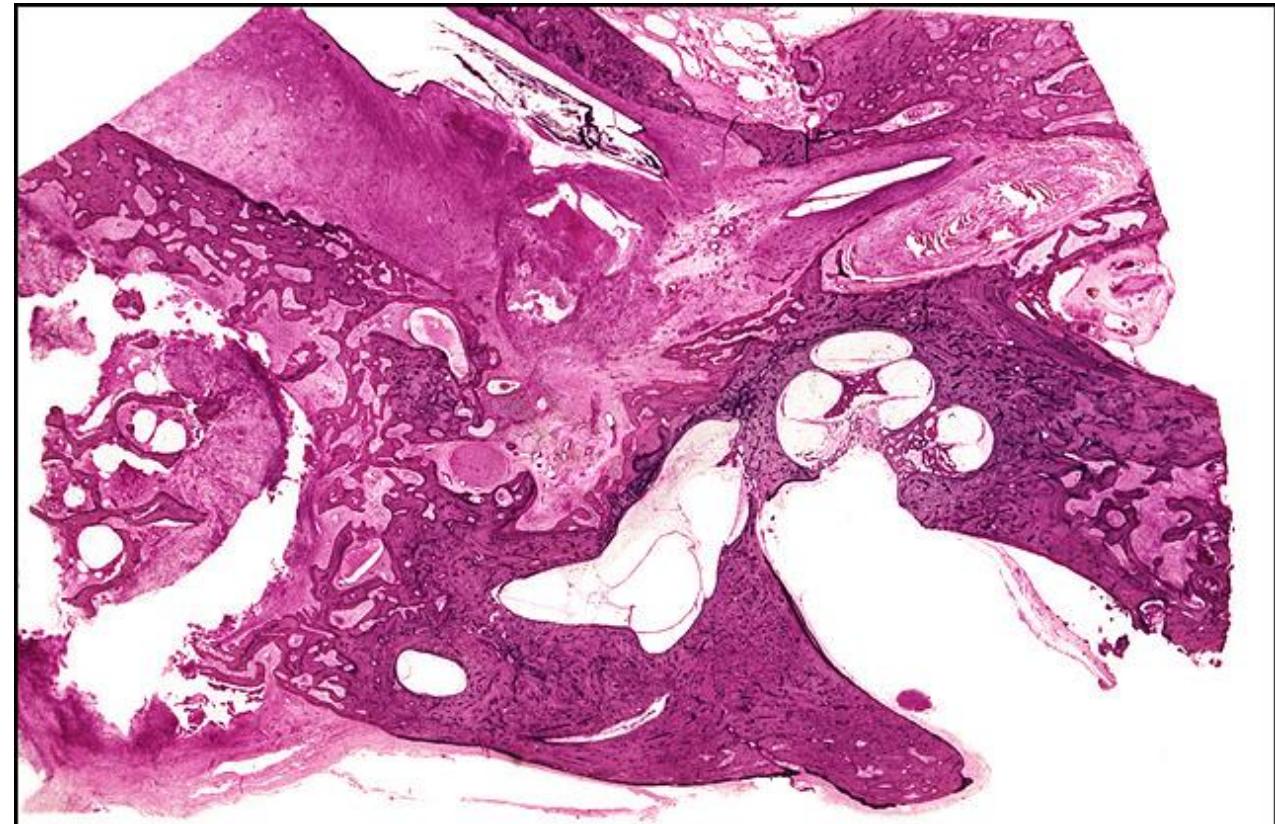
**TB Case Number:** 242

**Gender:** Male

**Age (yrs.):** 49

**Otologic Diagnosis:**

1. Leukemia, subacute, myelogenous
2. Leukemia, infiltrates, multiple, temporal bone, left
3. Bony labyrinth, degeneration, partial, leukemic infiltrate, left
4. Hydrops, endolymphatic, audiovestibular, severe, leukemia, left
5. Membranous labyrinth, degeneration, severe, leukemia, left
6. Facial nerve, degeneration, severe, leukemia, left



# Myelocytic Leukemia, L-211

**Title:** Myelocytic Leukemia, L-211

**Chapter:** Neoplasms

**Chapter Section:** Leukemia, Other Neoplastic Diseases

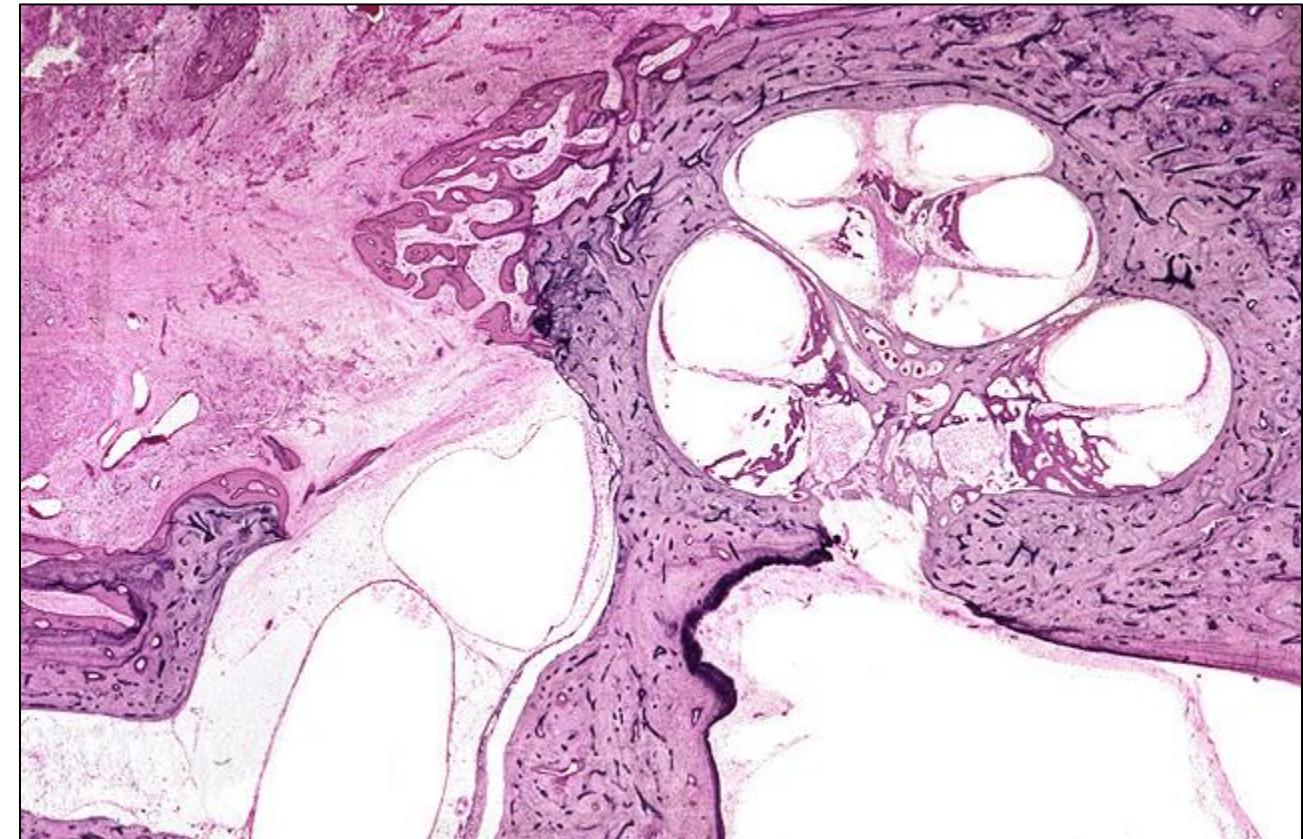
**TB Case Number:** 242

**Gender:** Male

**Age (yrs.):** 49

**Otologic Diagnosis:**

1. Leukemia, subacute, myelogenous
2. Leukemia, infiltrates, multiple, temporal bone, left
3. Bony labyrinth, degeneration, partial, leukemic infiltrate, left
4. Hydrops, endolymphatic, audiovestibular, severe, leukemia, left
5. Membranous labyrinth, degeneration, severe, leukemia, left
6. Facial nerve, degeneration, severe, leukemia, left



# Myelocytic Leukemia, L-232

**Title:** Myelocytic Leukemia, L-232

**Chapter:** Neoplasms

**Chapter Section:** Leukemia, Other Neoplastic Diseases

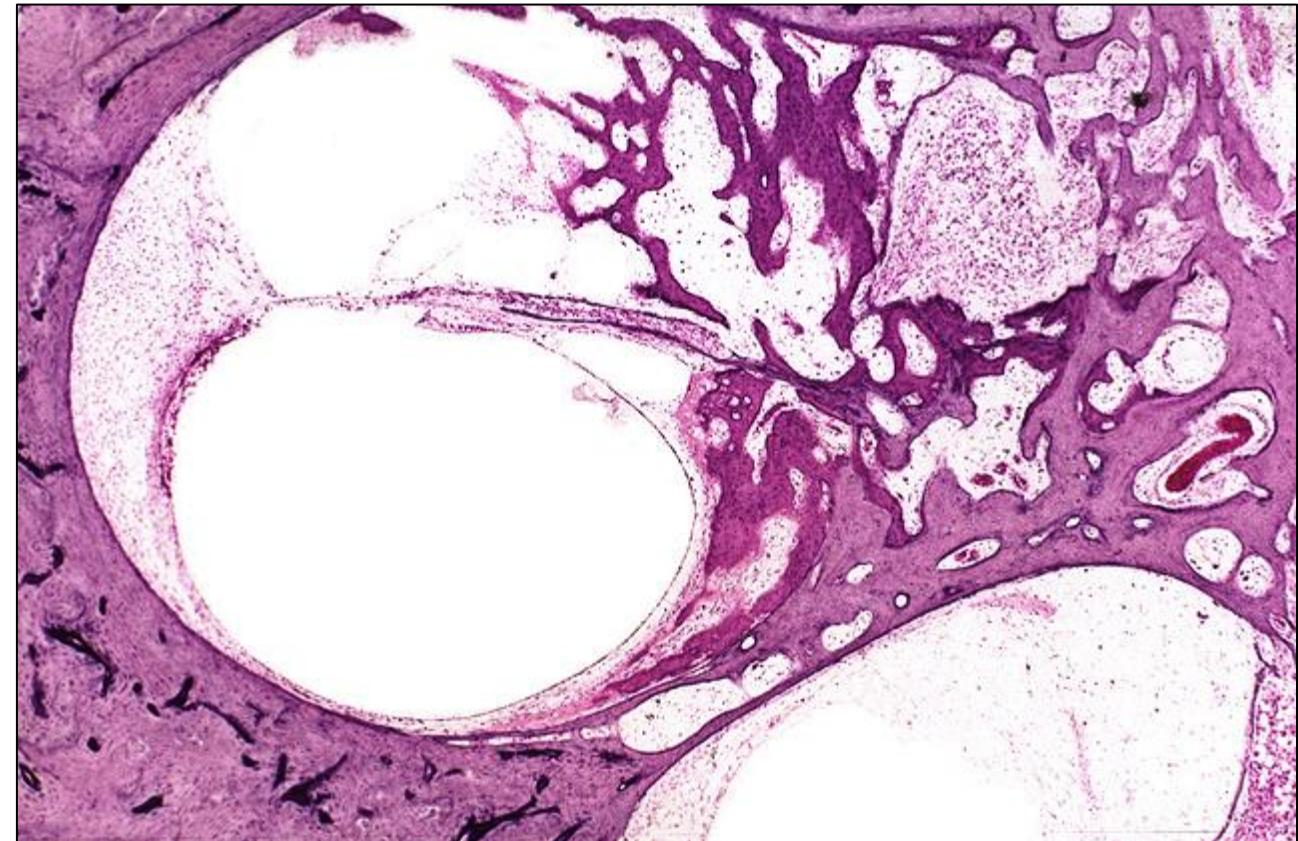
**TB Case Number:** 242

**Gender:** Male

**Age (yrs.):** 49

**Otologic Diagnosis:**

1. Leukemia, subacute, myelogenous
2. Leukemia, infiltrates, multiple, temporal bone, left
3. Bony labyrinth, degeneration, partial, leukemic infiltrate, left
4. Hydrops, endolymphatic, audiovestibular, severe, leukemia, left
5. Membranous labyrinth, degeneration, severe, leukemia, left
6. Facial nerve, degeneration, severe, leukemia, left



# Acute Myelocytic Leukemia, L-201

**Title:** Acute Myelocytic Leukemia, L-201

**Chapter:** Neoplasms

**Chapter Section:** Leukemia, Other Neoplastic Diseases

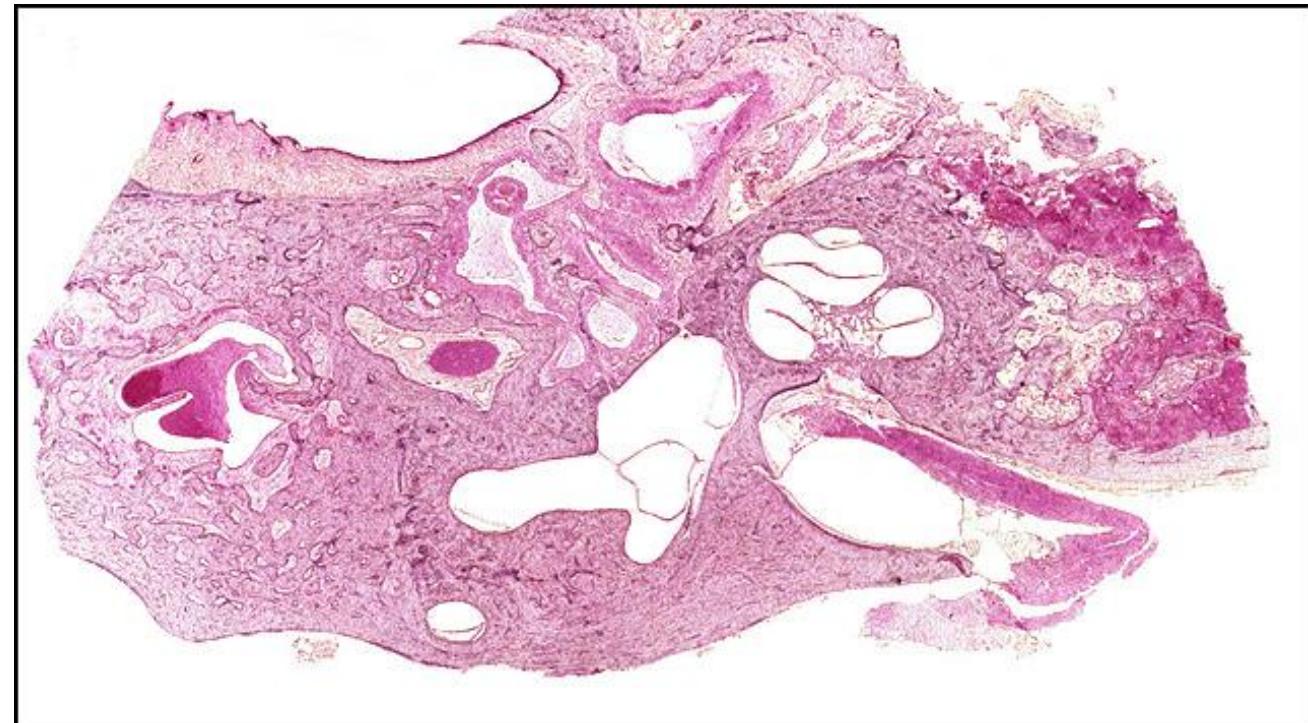
**TB Case Number:** 424

**Gender:** Male

**Age (yrs.):** 38

**Otologic Diagnosis:**

1. Leukemia
2. Otitis media, suppurative, chronic, inactive, left
3. Tympanic membrane, perforation, central, large, left
4. Petrous apex, leukemic infiltrate replacing bone marrow, left
5. Middle ear, leukemic infiltrate throughout the mucosa and fibrous tissue, left
6. Mastoid, sclerosis, post inflammatory, left
7. Otosclerosis, stapes fixation, (clinical), left



# Acute Lymphocytic Leukemia, R-291

**Title:** Acute Lymphocytic Leukemia, R-291

**Chapter:** Neoplasms

**Chapter Section:** Leukemia, Other Neoplastic Diseases

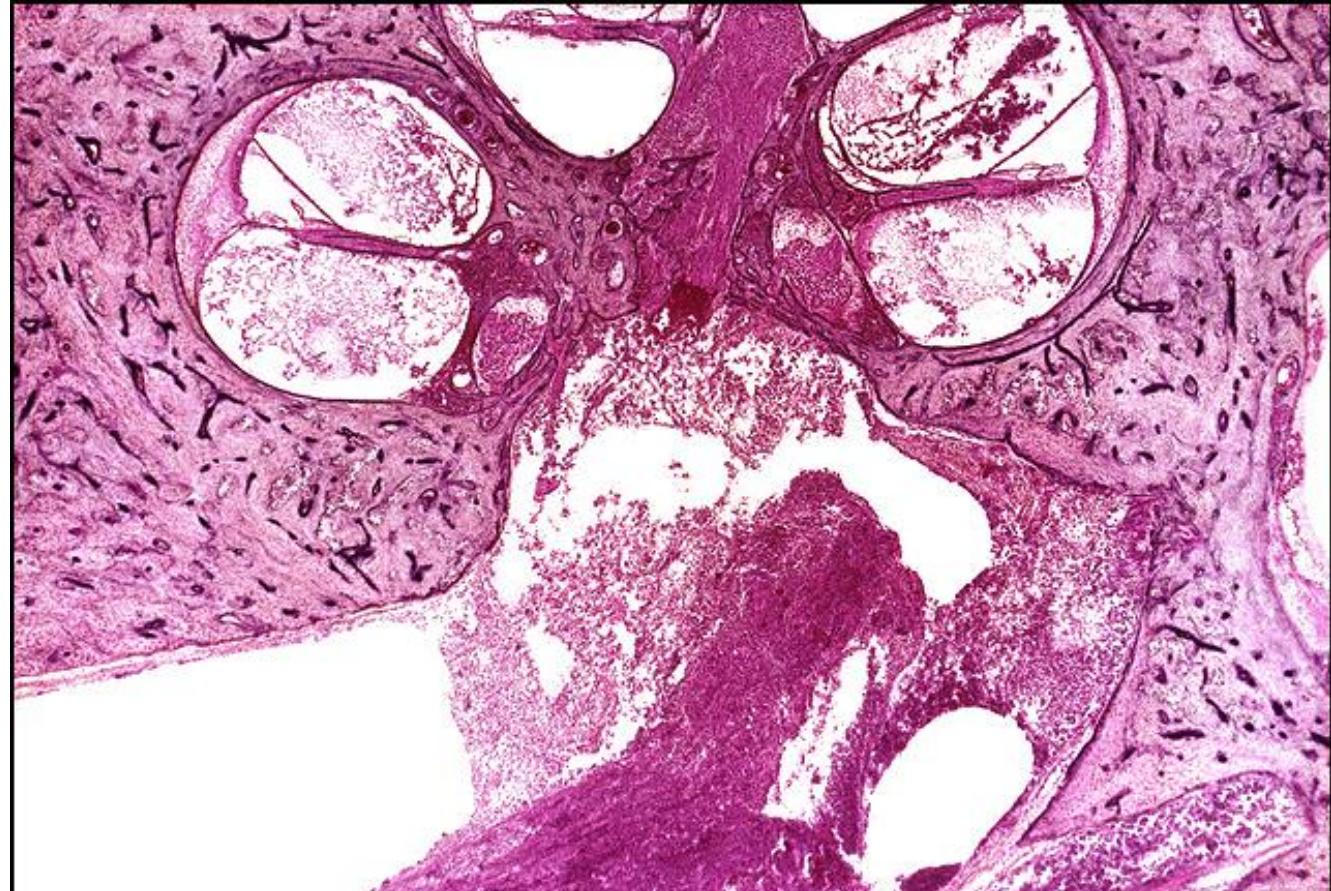
**TB Case Number:** 485

**Gender:** Male

**Age (yrs.):** 5

**Otologic Diagnosis:**

1. Leukemic labyrinthitis and meningitis, bilateral
2. Leukemic infiltrate, facial nerve, bilateral
3. Leukemic otitis media, bilateral



# Lymphocytic Leukemia, L-190

**Title:** Lymphocytic Leukemia, L-190

**Chapter:** Neoplasms

**Chapter Section:** Leukemia, Other Neoplastic Diseases

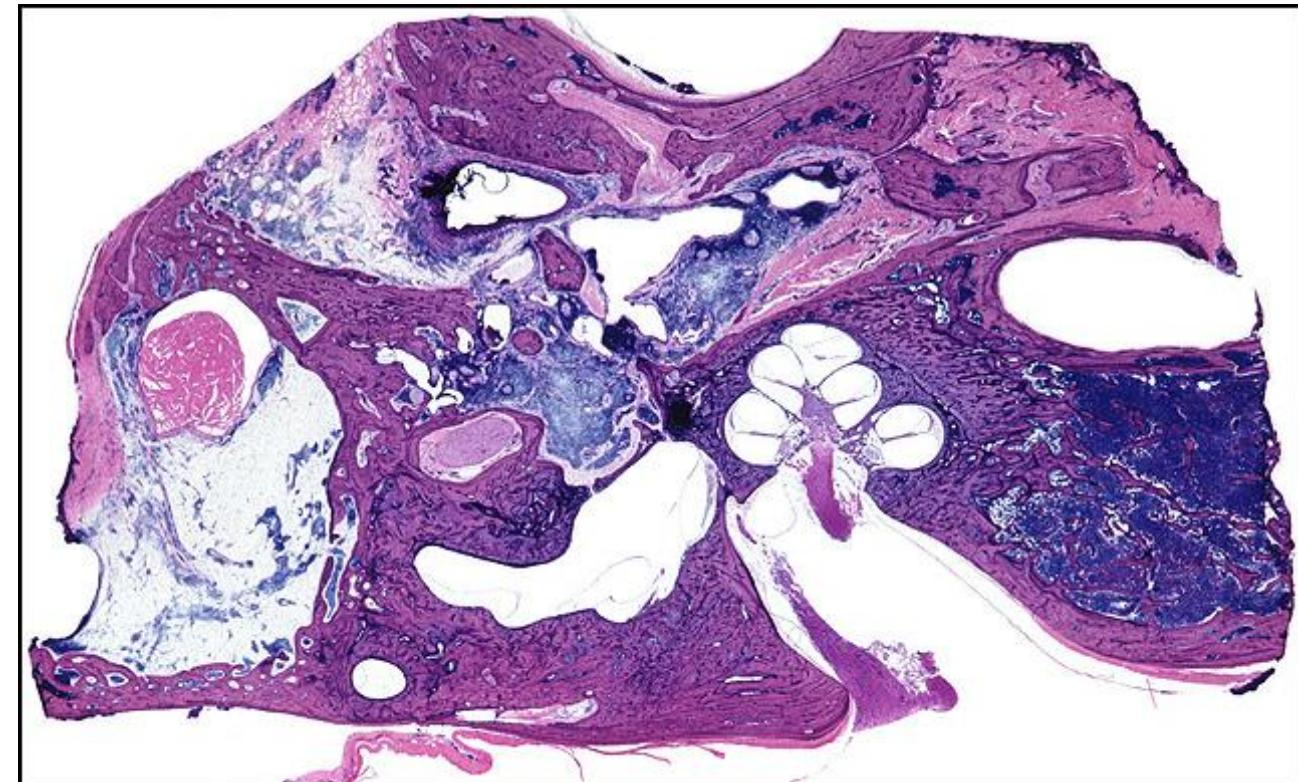
**TB Case Number:** 410

**Gender:** Male

**Age (yrs.):** 8

**Otologic Diagnosis:**

1. Lymphocytic leukemia with extensive lymphocytic infiltrates into the soft tissues of the middle ear and mastoid
2. Chronic bilateral granulomatous otitis media and mastoiditis, most severe on the left
3. Mastoidectomy, left, postoperative status
4. Ventilation tube, left tympanic membrane
5. Dimeric membrane and retraction membrane, right
6. Cholesterol granulomas, bilateral, most numerous on the left
7. Lymphocytic proliferation in the blood, greater in arteries than veins



# Acute Lymphocytic Leukemia, R-206

**Title:** Acute Lymphocytic Leukemia, R-206

**Chapter:** Neoplasms

**Chapter Section:** Leukemia, Other Neoplastic Diseases

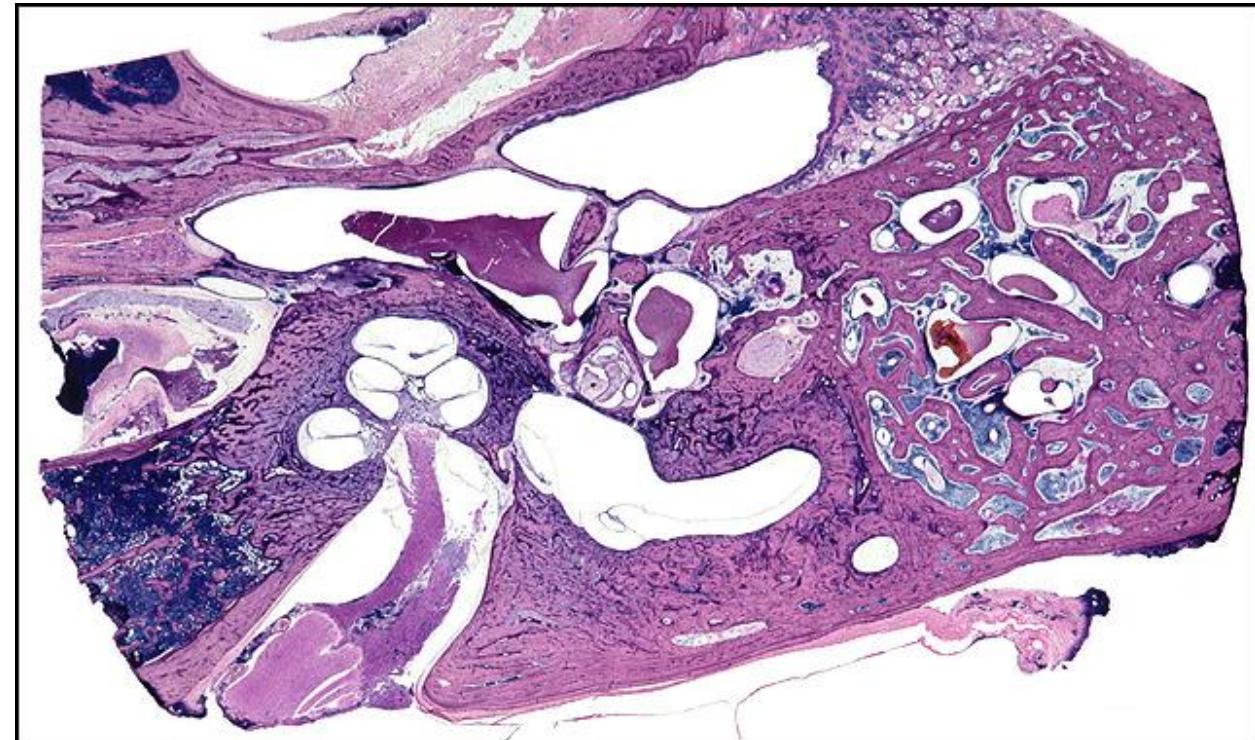
**TB Case Number:** 410

**Gender:** Male

**Age (yrs.):** 8

**Otologic Diagnosis:**

1. Lymphocytic leukemia with extensive lymphocytic infiltrates into the soft tissues of the middle ear and mastoid
2. Chronic bilateral granulomatous otitis media and mastoiditis, most severe on the left
3. Mastoidectomy, left, postoperative status
4. Ventilation tube, left tympanic membrane
5. Dimeric membrane and retraction membrane, right
6. Cholesterol granulomas, bilateral, most numerous on the left
7. Lymphocytic proliferation in the blood, greater in arteries than veins



# Acute Lymphocytic Leukemia, R-231

**Title:** Acute Lymphocytic Leukemia, R-231

**Chapter:** Neoplasms

**Chapter Section:** Leukemia, Other Neoplastic Diseases

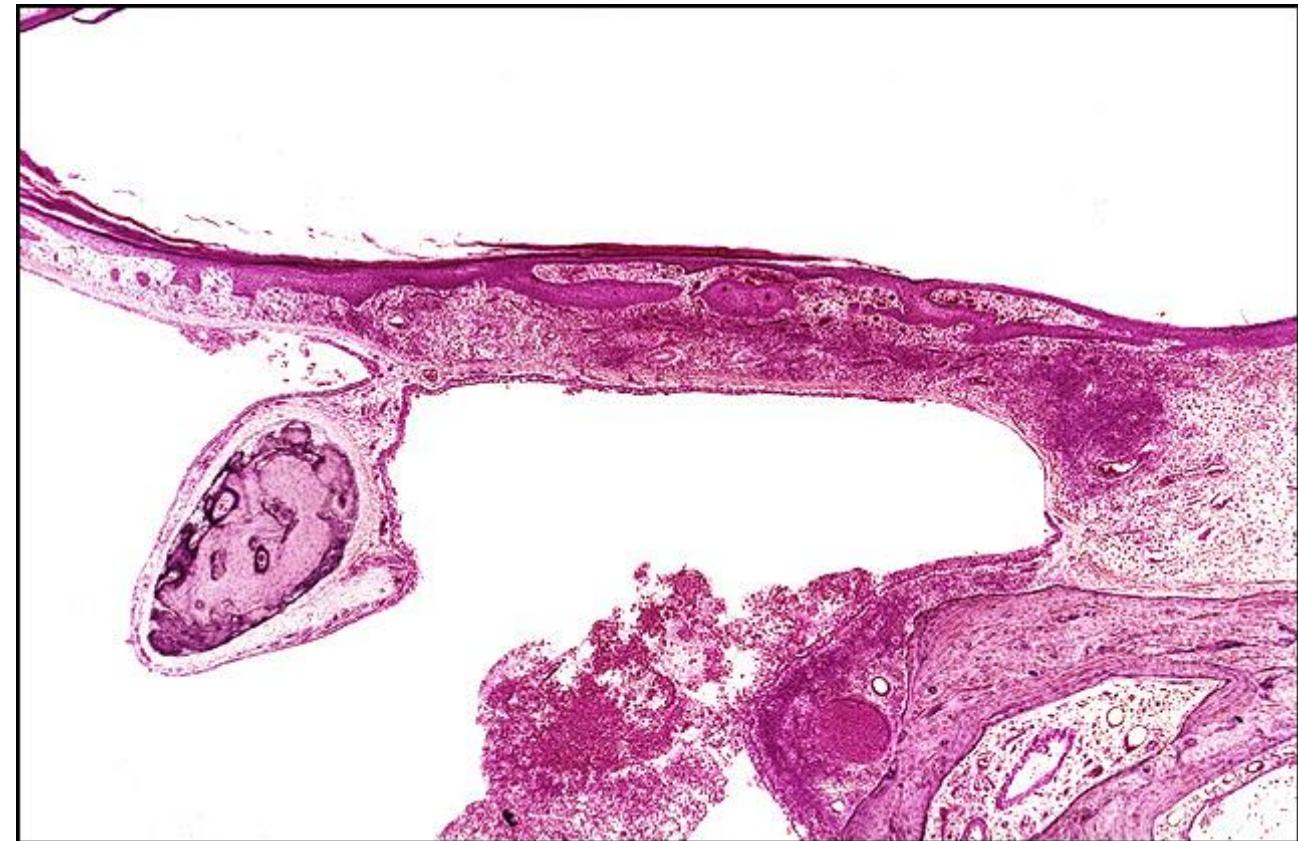
**TB Case Number:** 14

**Gender:** Male

**Age (yrs.):** 9

**Otologic Diagnosis:**

1. Hemorrhage, intralabyrinthine, secondary to leukemia, right
2. Leukemic infiltrate, tympanic membrane, right
3. Leukemic infiltrate, mucosa, right
4. Otitis media, acute, right



# Acute Lymphoblastic Leukemia, R-223

**Title:** Acute Lymphoblastic Leukemia, R-223

**Chapter:** Neoplasms

**Chapter Section:** Leukemia, Other Neoplastic Diseases

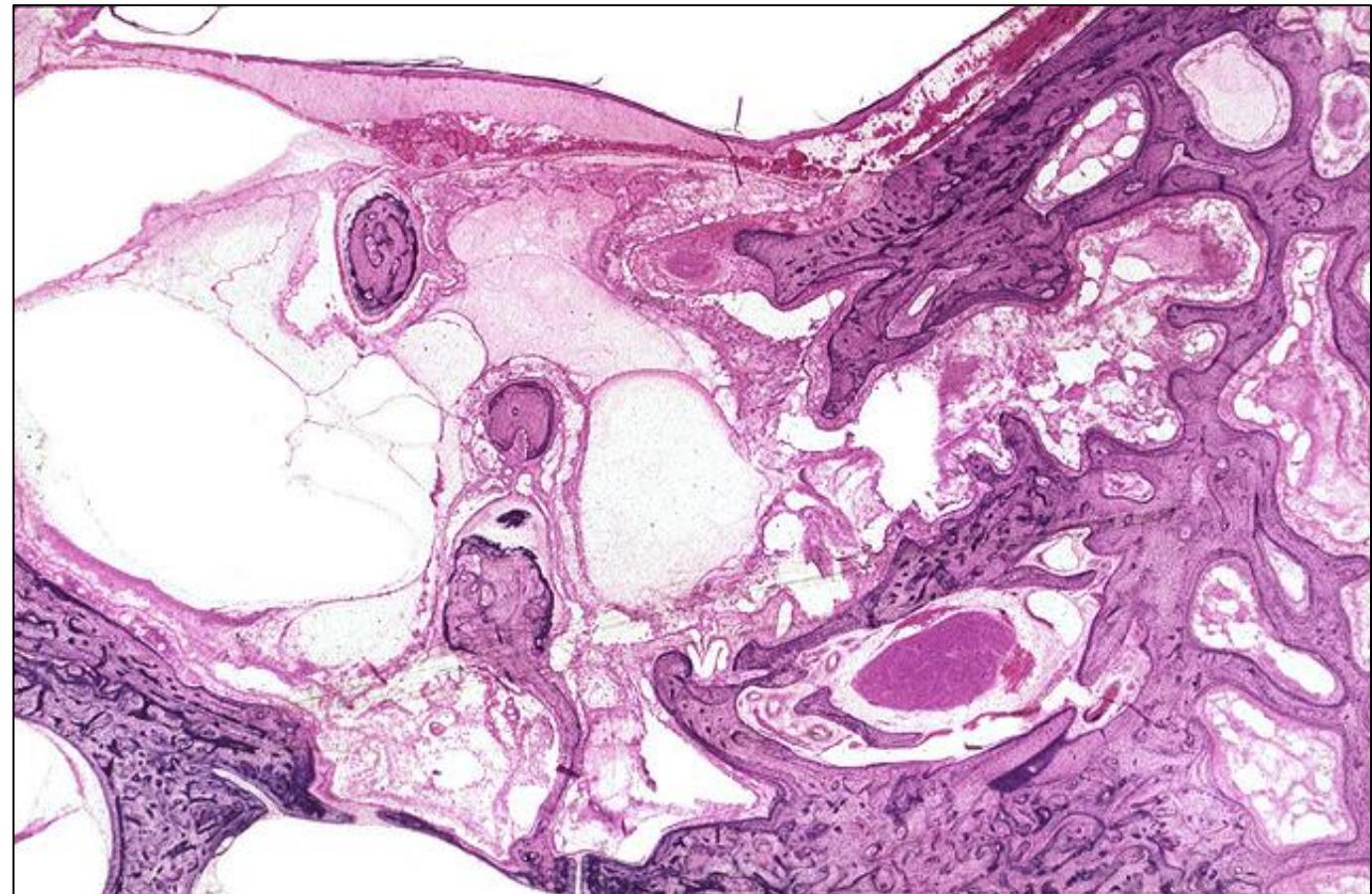
**TB Case Number:** 412

**Gender:** Male

**Age (yrs.):** 16

**Otologic Diagnosis:**

1. Leukemic infiltrate, tympanic membrane and mucous membrane
2. Ectopic striated muscle, left
3. Normal inner ear structures



# Acute Lymphoblastic Leukemia, R-225

**Title:** Acute Lymphoblastic Leukemia, R-225

**Chapter:** Neoplasms

**Chapter Section:** Leukemia, Other Neoplastic Diseases

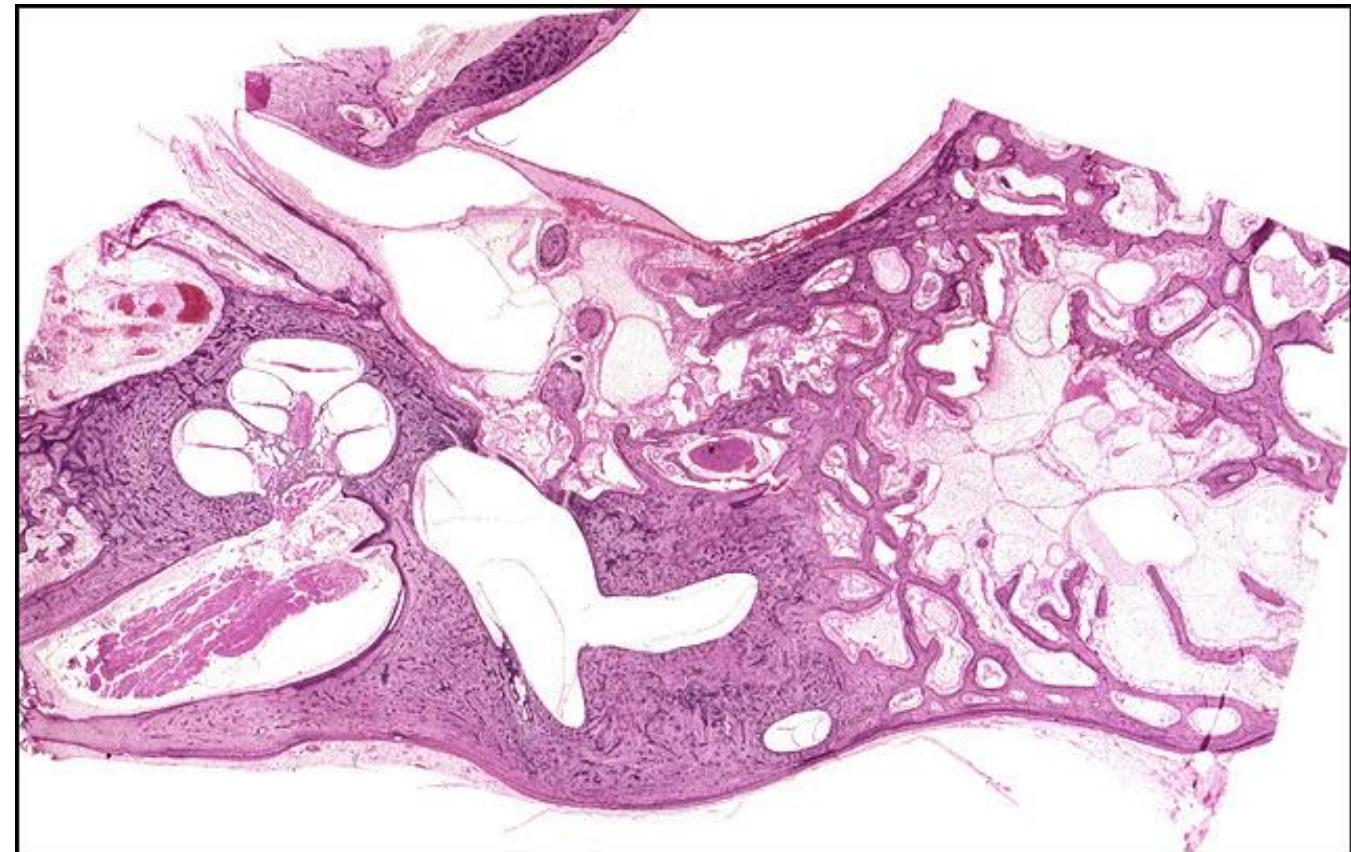
**TB Case Number:** 412

**Gender:** Male

**Age (yrs.):** 16

**Otologic Diagnosis:**

1. Leukemic infiltrate, tympanic membrane and mucous membrane
2. Ectopic striated muscle, left
3. Normal inner ear structures



# Malignant Lymphoma, Nasopharynx, L-315

**Title:** Malignant Lymphoma, Nasopharynx, L-315

**Chapter:** Neoplasms

**Chapter Section:** Malignant Lymphoma  
(non-Hodgkin's), Other Neoplastic Diseases

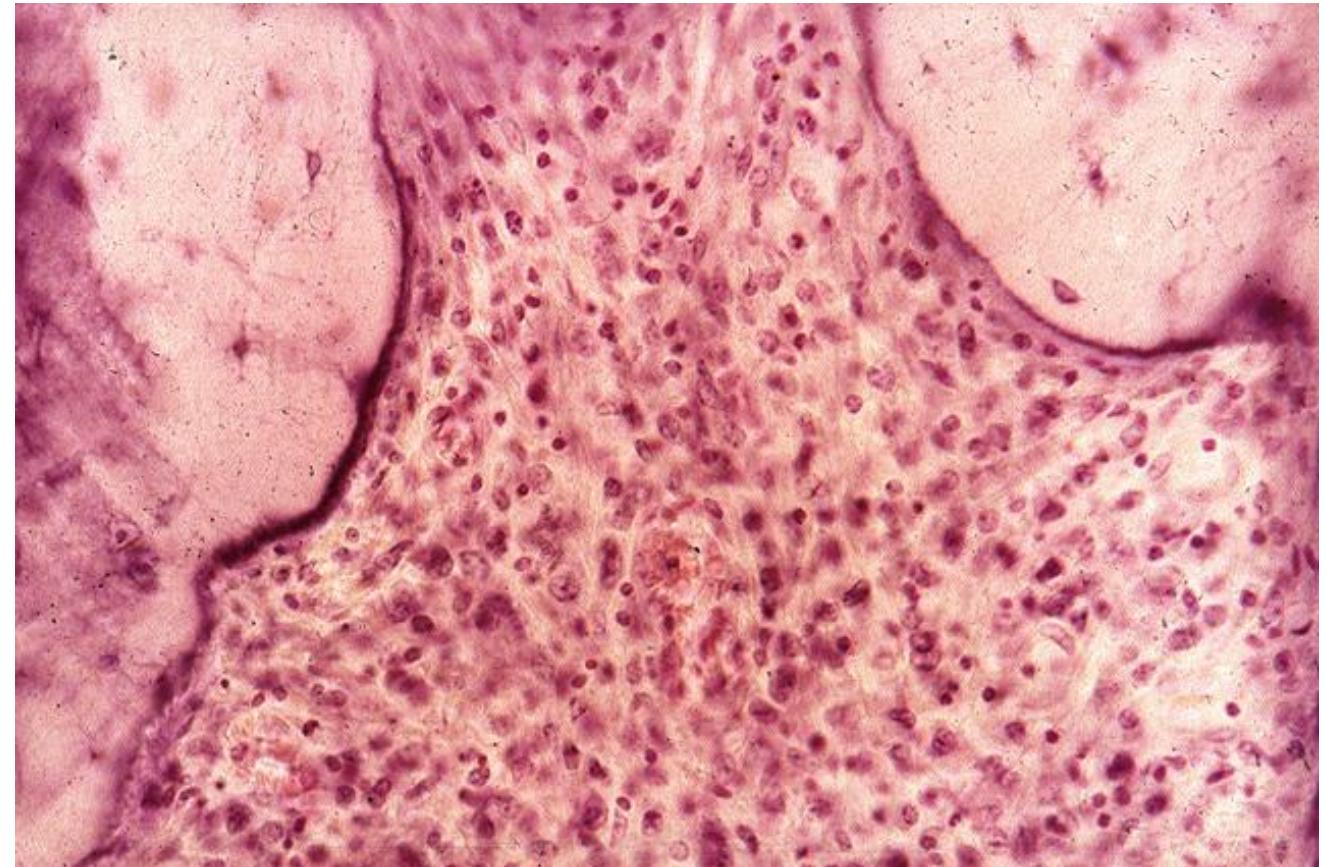
**TB Case Number:** 234

**Gender:** Female

**Age (yrs.):** 30

**Otologic Diagnosis:**

1. Malignant lymphoma, oropharynx, left
2. Otitis media with effusion, in vacuo, left



# Malignant Lymphoma, Nasopharynx, L-215

**Title:** Malignant Lymphoma, Nasopharynx, L-215

**Chapter:** Neoplasms

**Chapter Section:** Malignant Lymphoma  
(non-Hodgkin's), Other Neoplastic Diseases

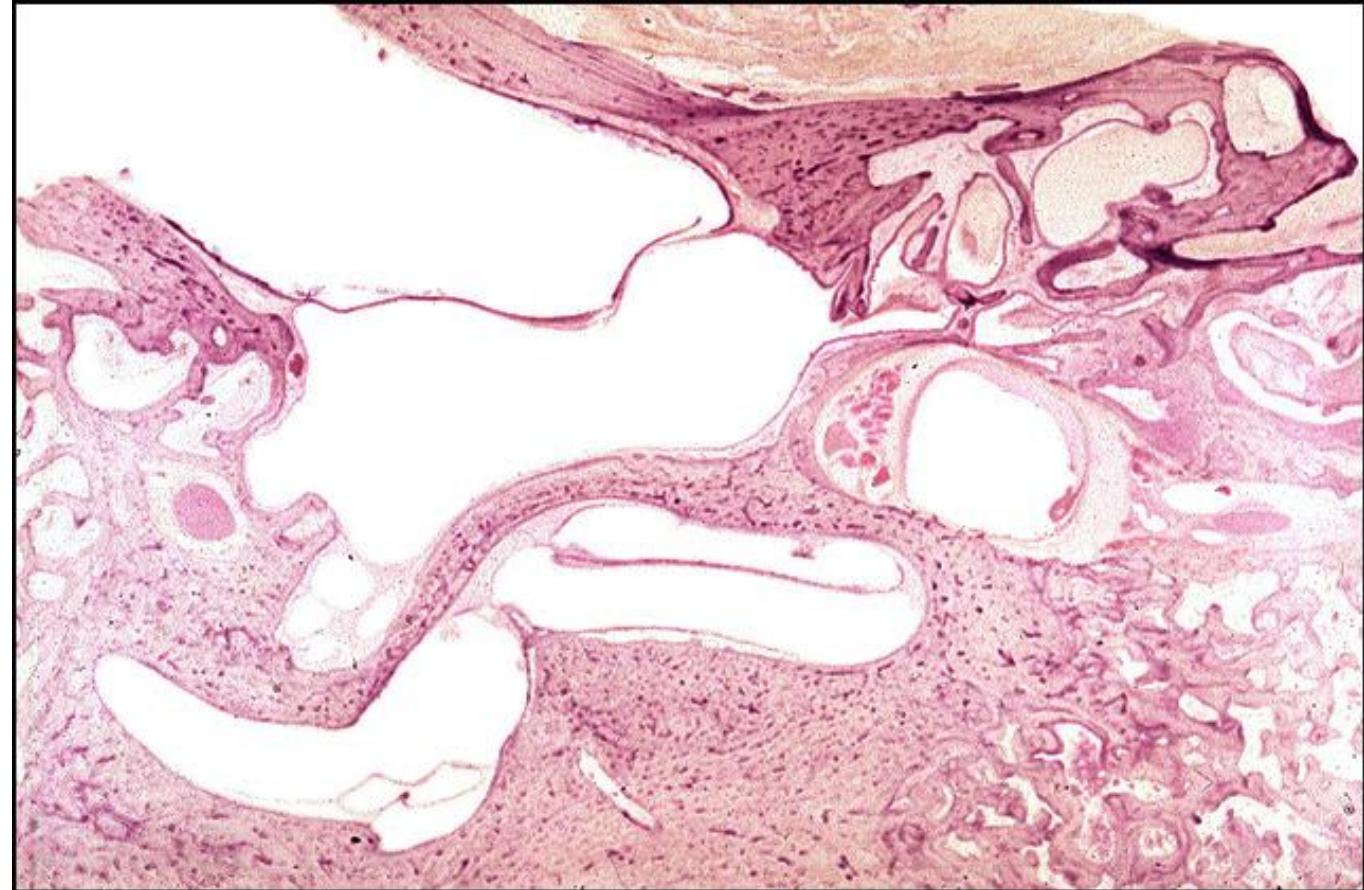
**TB Case Number:** 234

**Gender:** Female

**Age (yrs.):** 30

**Otologic Diagnosis:**

1. Malignant lymphoma, oropharynx, left
2. Otitis media with effusion, in vacuo, left



# Multiple Myeloma, L-231

**Title:** Multiple Myeloma, L-231

**Chapter:** Neoplasms

**Chapter Section:** Multiple Myeloma, Other Neoplastic Diseases

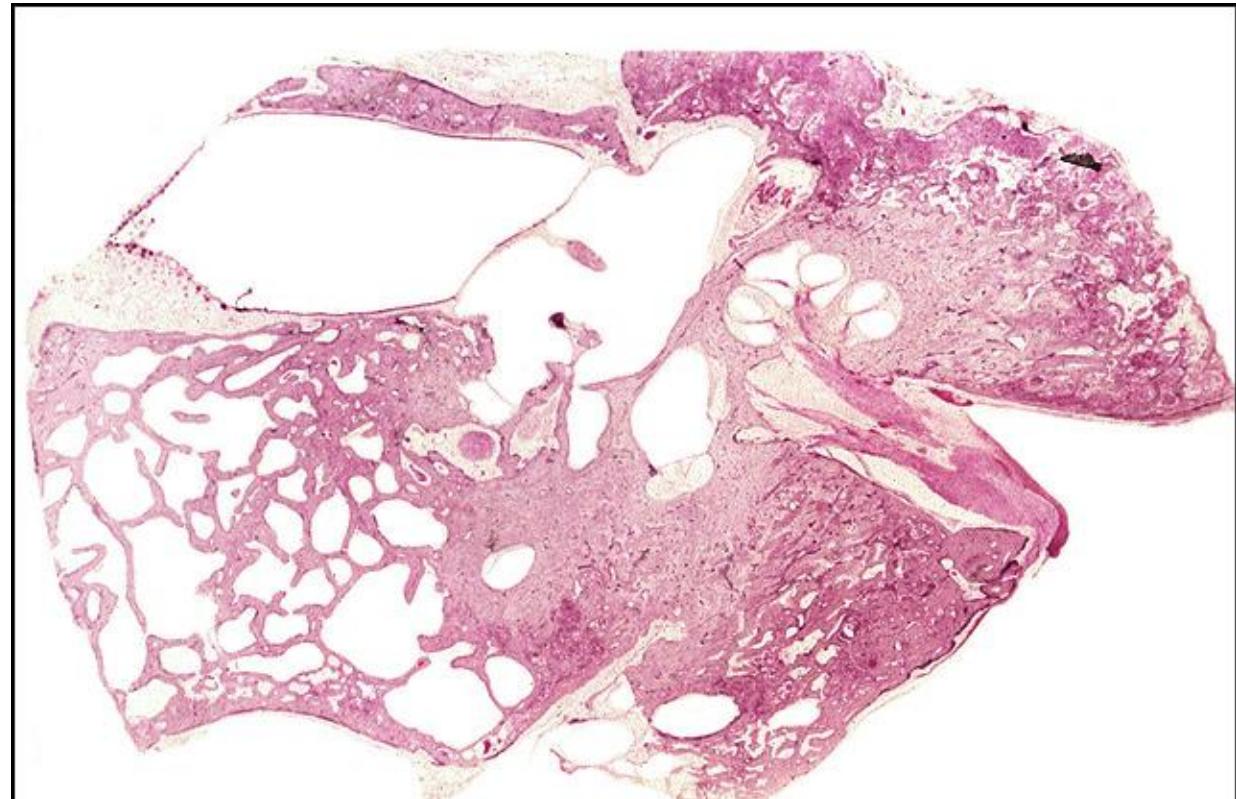
**TB Case Number:** 294

**Gender:** Female

**Age (yrs.):** 69

**Otologic Diagnosis:**

1. Multiple myeloma, diffuse and focal, bony labyrinth and bone marrow, bilateral
2. Meningitis, chemical (phenol), iatrogenic
3. Labyrinthitis, chemical (phenol), iatrogenic, mild, left
4. Otitis media, acute, mild, agonal, bilateral
5. Facial nerve, palsy, left, chemical, iatrogenic, by history
6. Artifact, preparation, membranous labyrinth, compression, bilateral



# Multiple Myeloma, R-221

**Title:** Multiple Myeloma, R-221

**Chapter:** Neoplasms

**Chapter Section:** Multiple Myeloma, Other Neoplastic Diseases

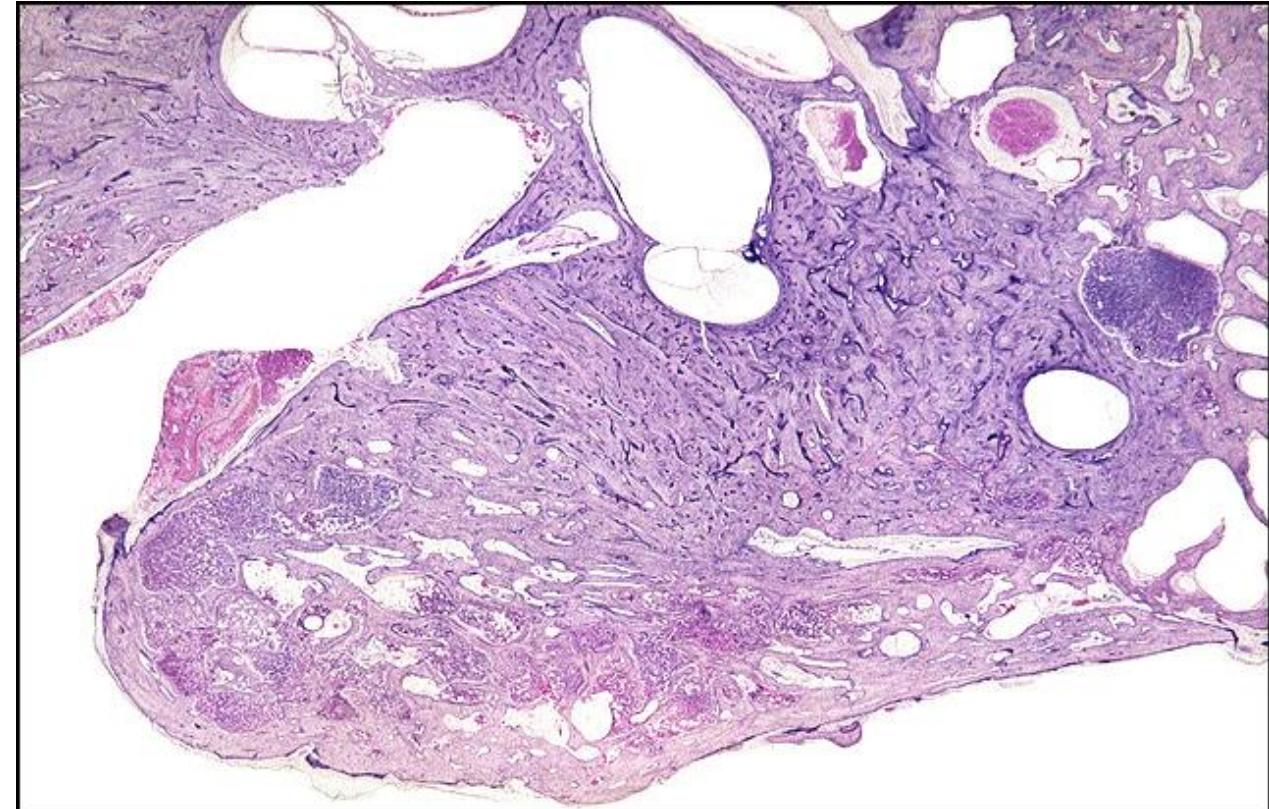
**TB Case Number:** 294

**Gender:** Female

**Age (yrs.):** 69

**Otologic Diagnosis:**

1. Multiple myeloma, diffuse and focal, bony labyrinth and bone marrow, bilateral
2. Meningitis, chemical (phenol), iatrogenic
3. Labyrinthitis, chemical (phenol), iatrogenic, mild, left
4. Otitis media, acute, mild, agonal, bilateral
5. Facial nerve, palsy, left, chemical, iatrogenic, by history
6. Artifact, preparation, membranous labyrinth, compression, bilateral



# Multiple Myeloma, R-251

**Title:** Multiple Myeloma, R-251

**Chapter:** Neoplasms

**Chapter Section:** Multiple Myeloma, Other Neoplastic Diseases

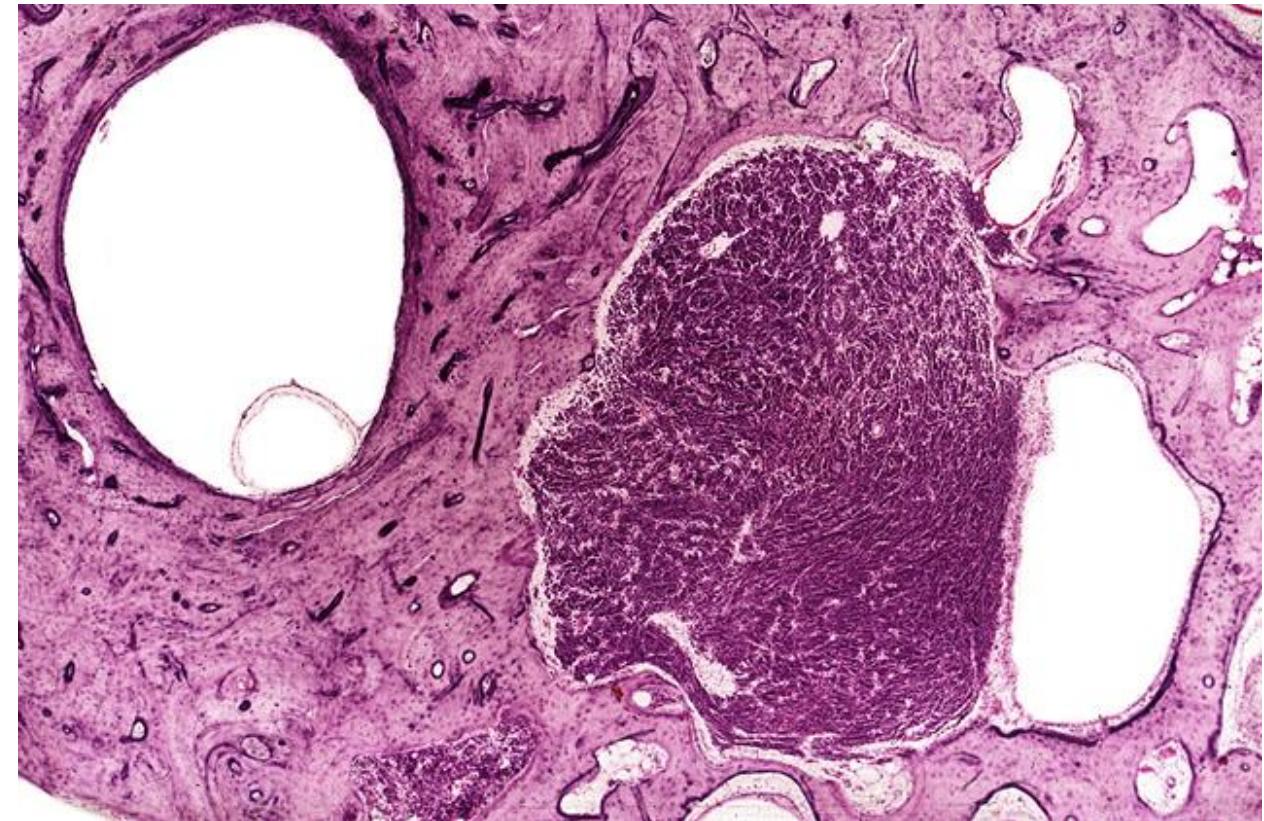
**TB Case Number:** 294

**Gender:** Female

**Age (yrs.):** 69

**Otologic Diagnosis:**

1. Multiple myeloma, diffuse and focal, bony labyrinth and bone marrow, bilateral
2. Meningitis, chemical (phenol), iatrogenic
3. Labyrinthitis, chemical (phenol), iatrogenic, mild, left
4. Otitis media, acute, mild, agonal, bilateral
5. Facial nerve, palsy, left, chemical, iatrogenic, by history
6. Artifact, preparation, membranous labyrinth, compression, bilateral



# Multiple Myeloma, R-221

**Title:** Multiple Myeloma, R-221

**Chapter:** Neoplasms

**Chapter Section:** Multiple Myeloma, Other Neoplastic Diseases

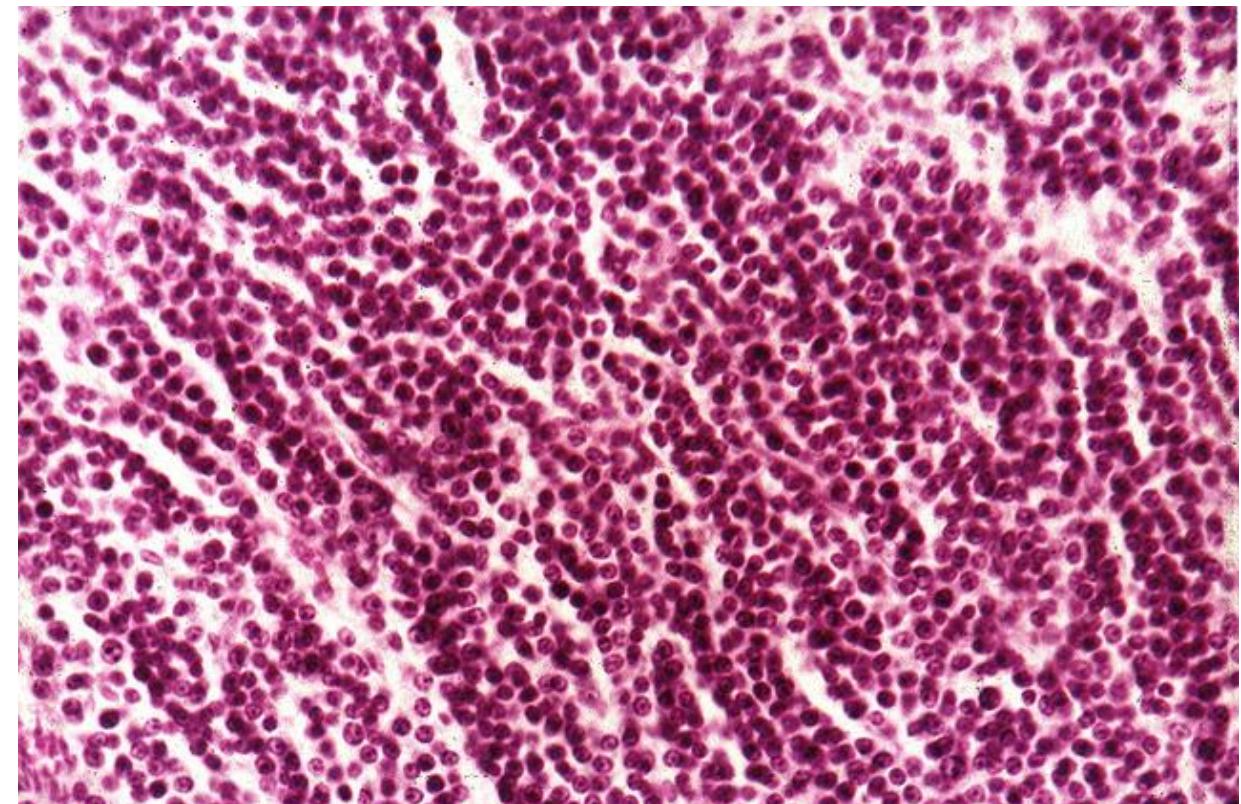
**TB Case Number:** 294

**Gender:** Female

**Age (yrs.):** 69

**Otologic Diagnosis:**

1. Multiple myeloma, diffuse and focal, bony labyrinth and bone marrow, bilateral
2. Meningitis, chemical (phenol), iatrogenic
3. Labyrinthitis, chemical (phenol), iatrogenic, mild, left
4. Otitis media, acute, mild, agonal, bilateral
5. Facial nerve, palsy, left, chemical, iatrogenic, by history
6. Artifact, preparation, membranous labyrinth, compression, bilateral





Mass General Brigham  
**Mass Eye and Ear**