Mass General Brigham
Mass Eye and Ear

Temporal Bone Image Library Chapter: Intoxication

Otopathology Laboratory

HARVARD MEDICAL SCHOOL
TEACHING HOSPITAL

Streptomycin Ototoxicity, L-71

Title: Streptomycin Ototoxicity, L-71

Chapter: Intoxication

Chapter Section: Streptomycin

TB Case Number: 799

Comments: This was a 53-year-old male who received 1 gram of Streptomycin by systemic administration every day for 10 days at the age of 47. Following this medication, he became very ataxic and suffered from oscillopsia. There was no response to ice water caloric testing

Gender: Male

Age (yrs.): 53

Otologic Diagnosis:

1. Streptomycin ototoxicity, manifested by oscillopsia, ataxia and loss of caloric responses
2. Loss of hair cells, cristae, bilateral
3. Preservation of hair cells of maculae of utricle and saccule
4. Sclerosis of mastoid, right, mild

Streptomycin Ototoxicity, L-71

Title: Streptomycin Ototoxicity, L-71

Chapter: Intoxication

Chapter Section: Streptomycin

TB Case Number: 799

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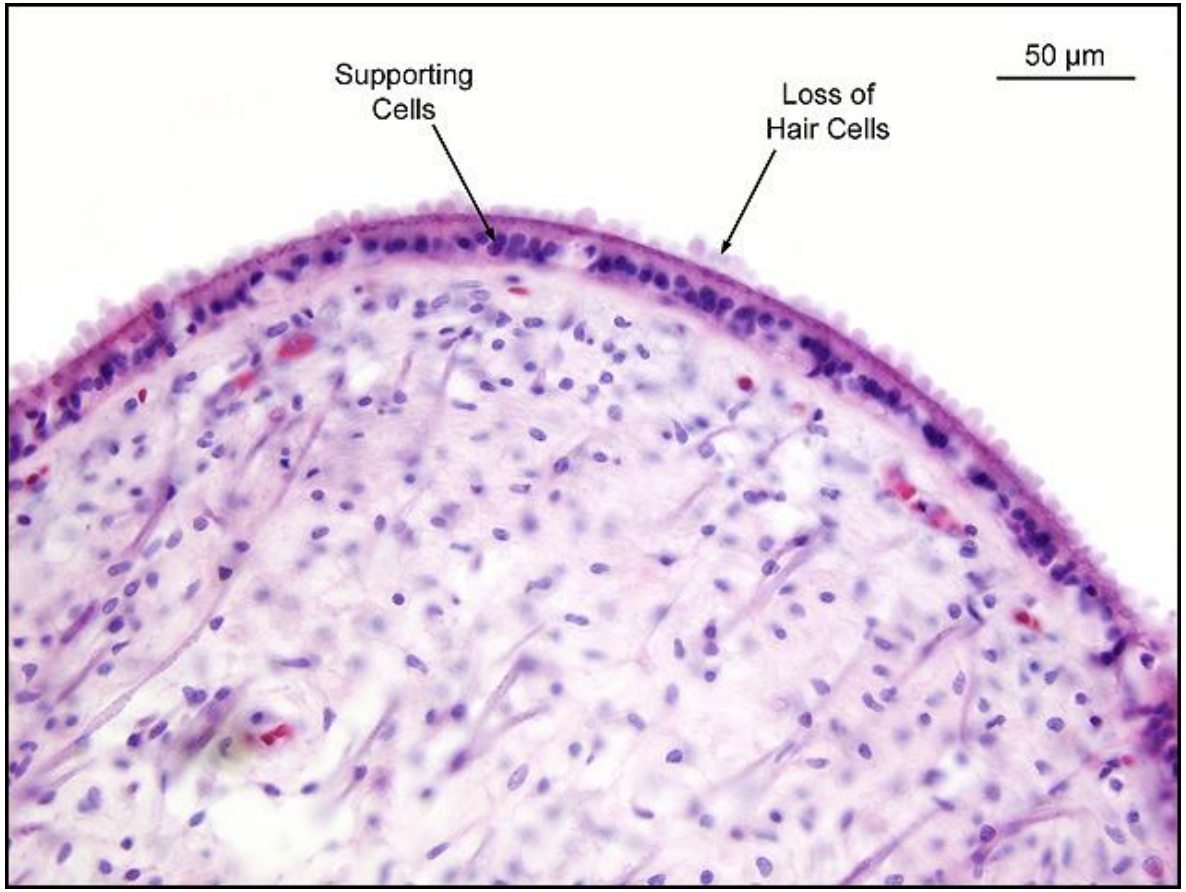
Gender: Male

Age (yrs.): 53

Otologic Diagnosis:

1. Streptomycin ototoxicity, manifested by oscillopsia, ataxia and loss of caloric responses
2. Loss of hair cells, cristae, bilateral
3. Preservation of hair cells of maculae of utricle and saccule
4. Sclerosis of mastoid, right, mild



Normal Lateral Canal Crista, R-61

Title: Normal Lateral Canal Crista, R-61

Chapter: Intoxication

Chapter Section: Streptomycin

TB Case Number: 672

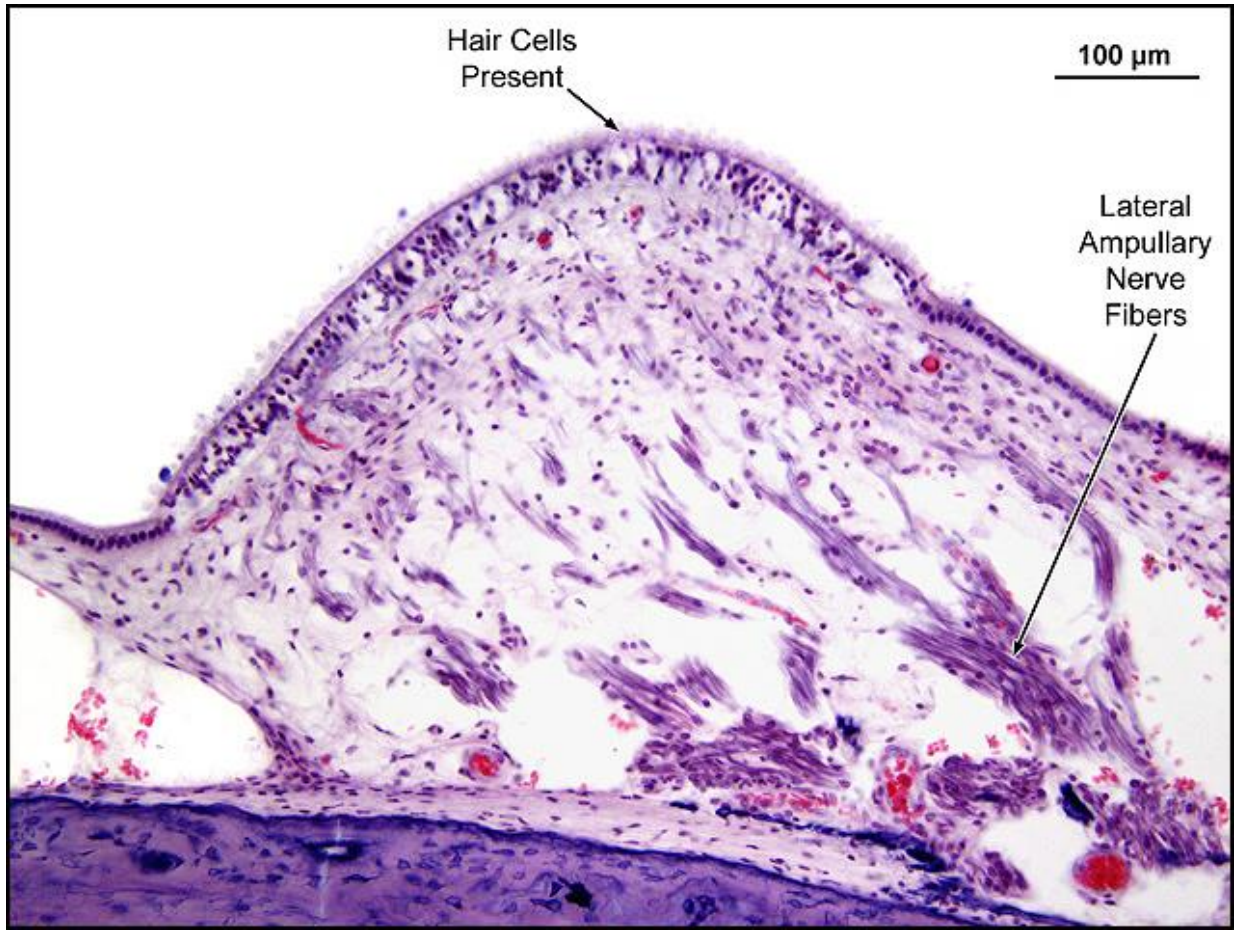
Comments: This case is that of a 54-year-old female who died of bronchogenic carcinoma. She had no otologic symptoms. Both inner ears are normal. The lateral canal crista is shown. The postmortem time was 19 hours.

Gender: Female

Age (yrs.): 54

Otologic Diagnosis:

Normal



Normal Lateral Canal Crista, R-61

Title: Normal Lateral Canal Crista, R-61

Chapter: Intoxication

Chapter Section: Streptomycin

TB Case Number: 672

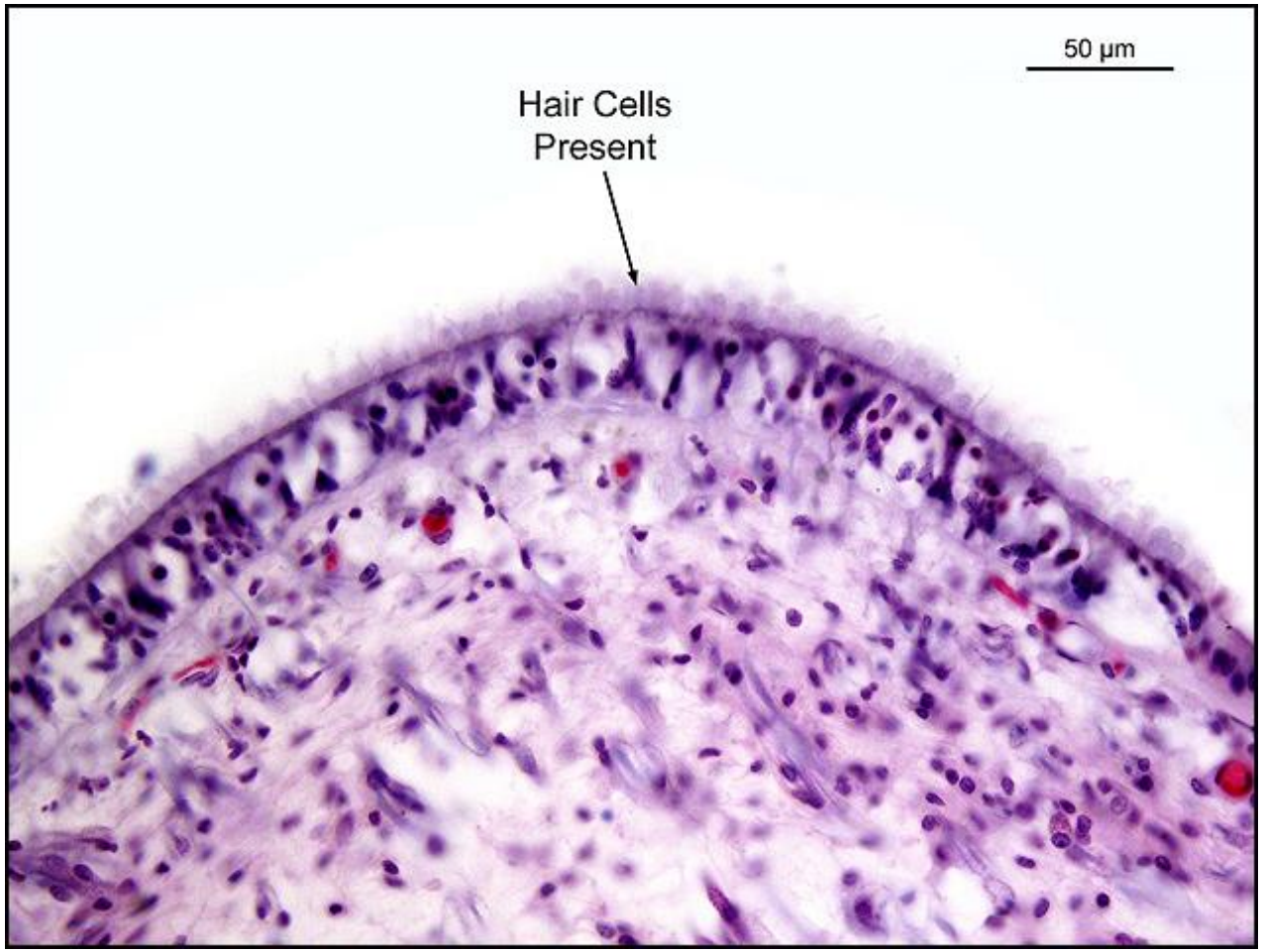
Comments: This case is that of a 54-year-old female who died of bronchogenic carcinoma. She had no otologic symptoms. Both inner ears are normal. The lateral canal crista is shown. The postmortem time was 19 hours.

Gender: Female

Age (yrs.): 54

Otologic Diagnosis:

Normal



Streptomycin, R-101

Title: Streptomycin, R-101

Chapter: Intoxication

Chapter Section: Streptomycin

TB Case Number: 31

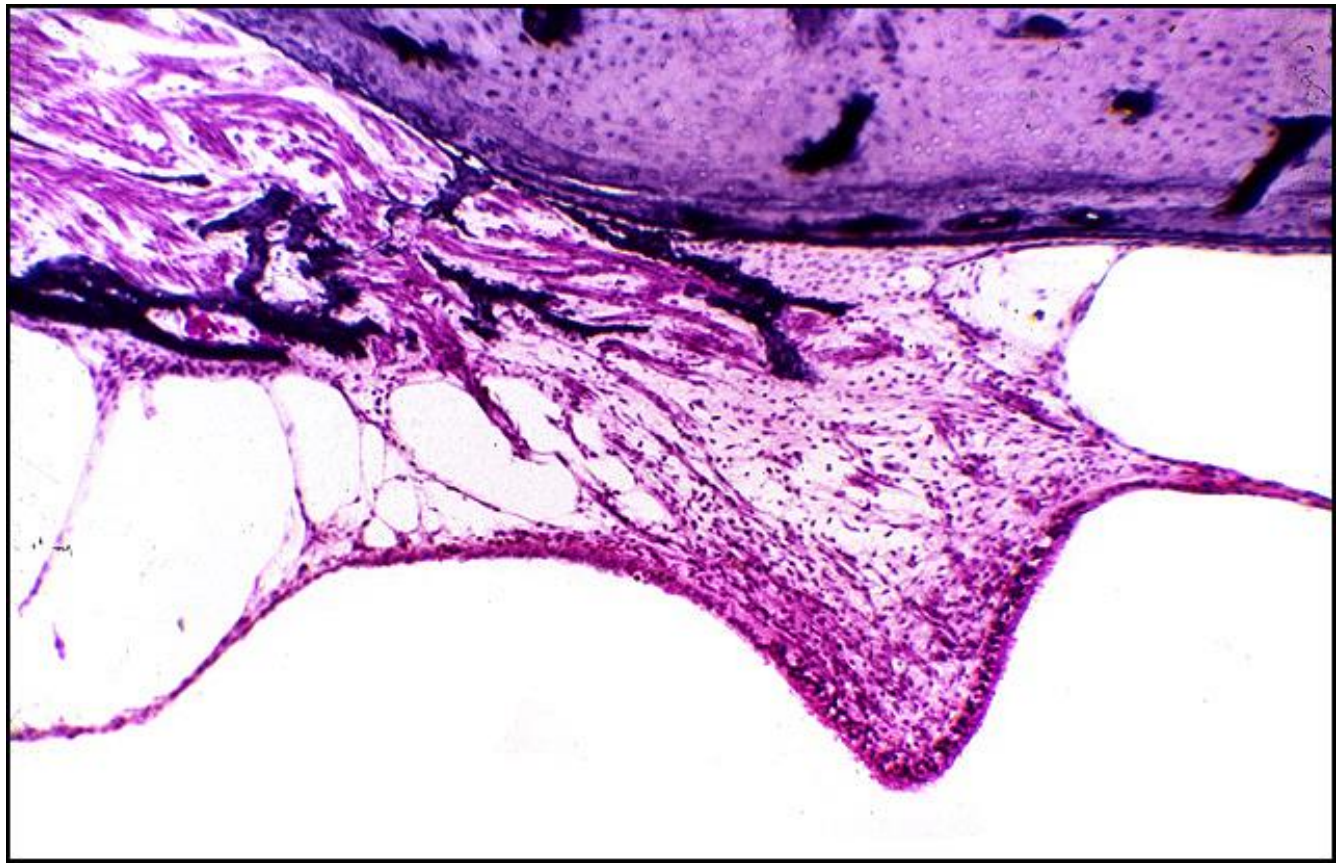
Comments: Audio-cytocochleogram

Gender: Male

Age (yrs.): 69

Otologic Diagnosis:

1. Neomycin ototoxicity, severe, bilateral
2. Organ of Corti, atrophy, severe, secondary to #1, bilateral
3. Neuronal atrophy, cochlear, retrograde, severe, secondary to #1, bilateral
4. Spiral ligament, atrophy, secondary to #1, bilateral
5. Reissner's membrane, atrophy



Streptomycin, R-81

Title: Streptomycin, R-81

Chapter: Intoxication

Chapter Section: Streptomycin

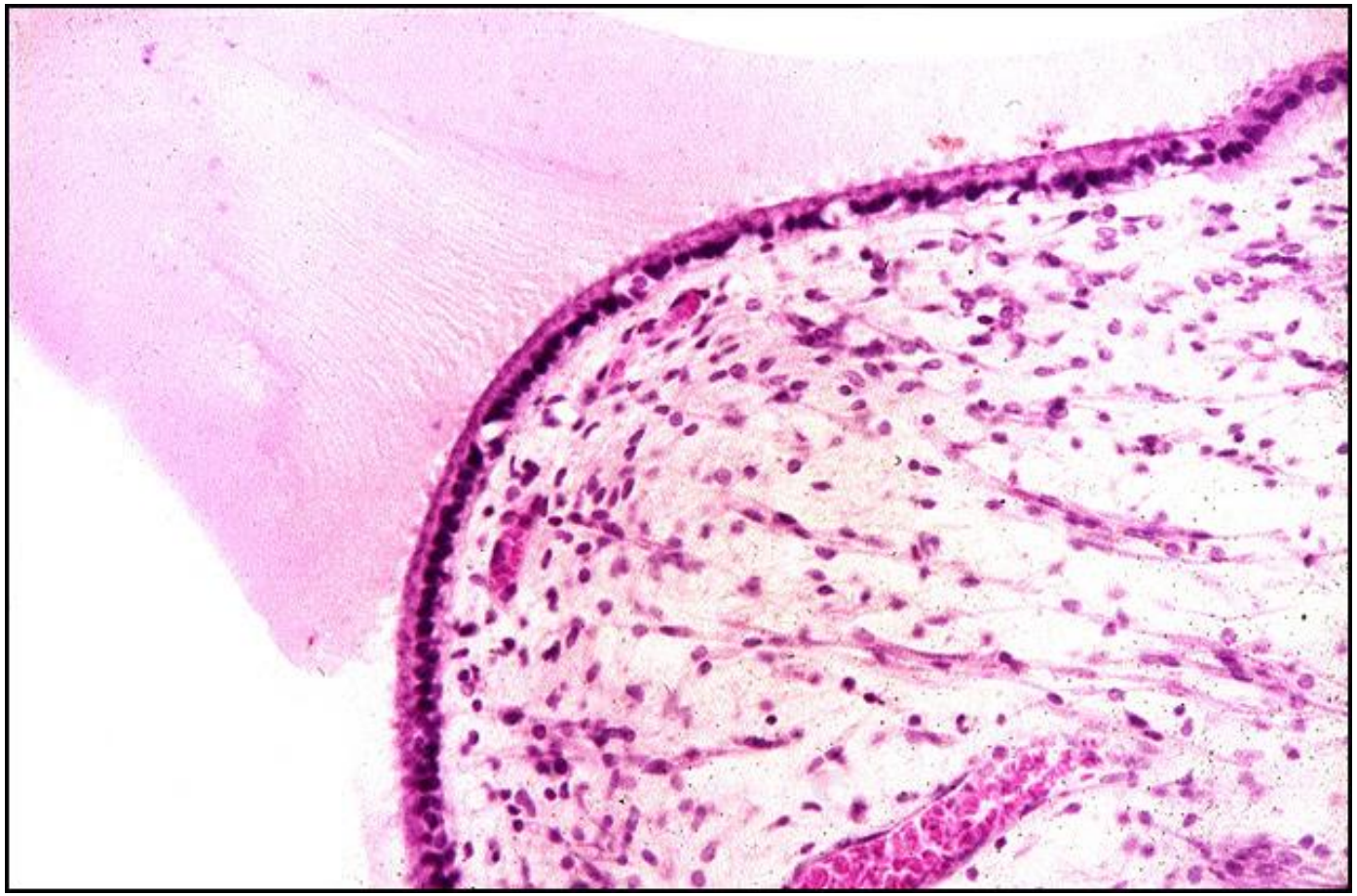
TB Case Number: 473

Gender: Male

Age (yrs.): 55

Otologic Diagnosis:

1. Streptomycin, ototoxicity
2. Anomaly, saccule, bilateral
    a) Utriculoendolymphatic valves, absent
    b) Utricles and saccules in wide communication with each other and with endolymphatic sinuses
3. Artifact



Streptomycin, R-161

Title: Streptomycin, R-161

Chapter: Intoxication

Chapter Section: Streptomycin

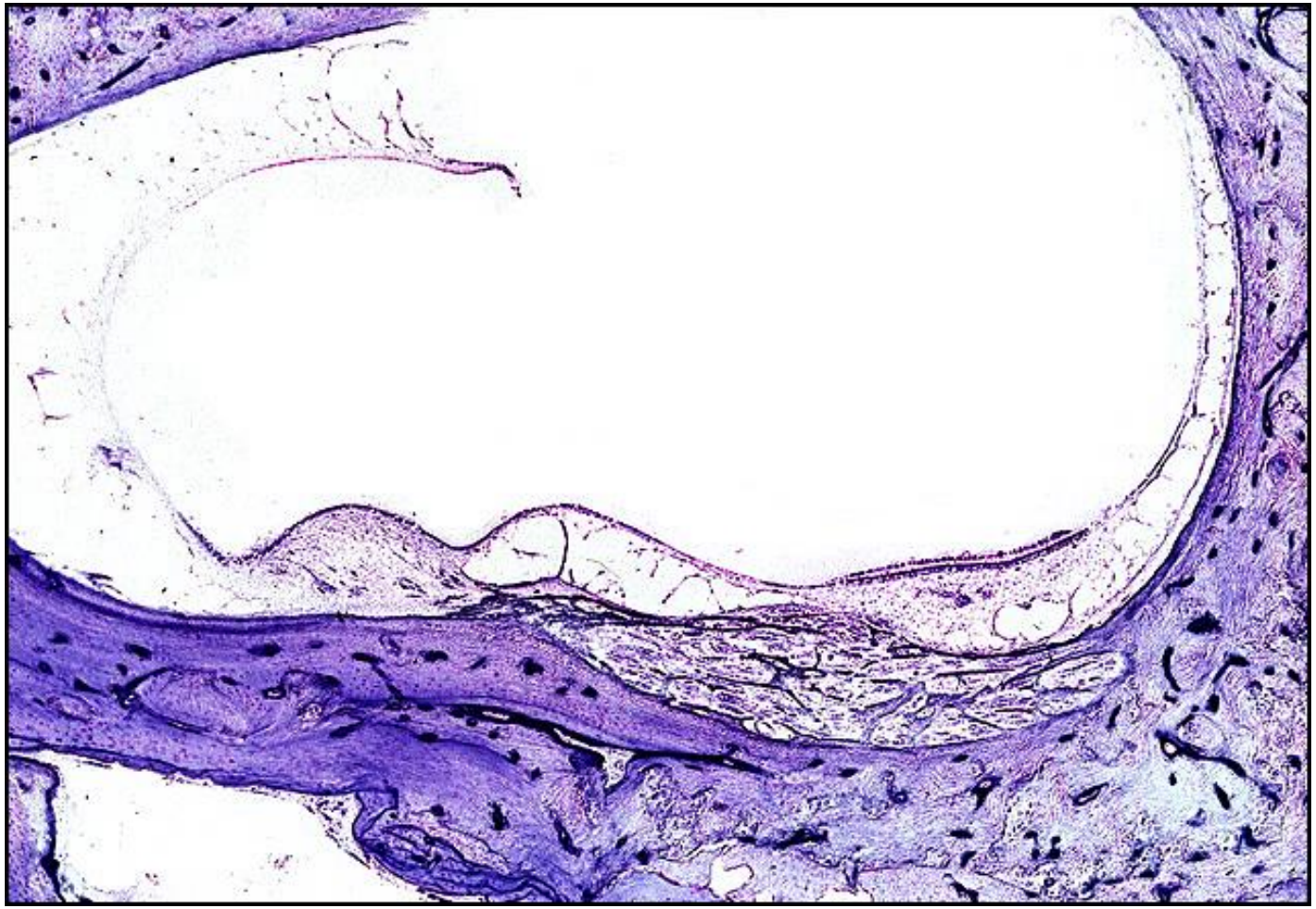
TB Case Number: 538

Gender: Female

Age (yrs.): 35

Otologic Diagnosis:

1. Streptomycin ototoxicity, manifested clinically by ataxia and pathologically by loss of hair cells in all cristae, bilateral
2. Normal utricular and saccular maculae
3. Serofibrinous mastoiditis, inactive, bilateral
4. Large pneumatized cell, petrous



Streptomycin, R-371

Title: Streptomycin, R-371

Chapter: Intoxication

Chapter Section: Streptomycin

TB Case Number: 538

Gender: Female

Age (yrs.): 35

Otologic Diagnosis:

1. Streptomycin ototoxicity, manifested clinically by ataxia and pathologically by loss of hair cells in all cristae, bilateral
2. Normal utricular and saccular maculae
3. Serofibrinous mastoiditis, inactive, bilateral
4. Large pneumatized cell, petrous

Kanamycin Ototoxicity, R-185

Title: Kanamycin Ototoxicity, R-185

Chapter: Intoxication

Chapter Section: Kanamycin

TB Case Number: 700

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Ototoxic deafness caused by parenteral kanamycin and manifested by severe loss of hair cells of both cochleae
2. Acute right otitis media
3. Acute labyrinthitis, mild, early, right
4. Postmortem irrigation with fixative, right ear

Kanamycin Ototoxicity

Title: Kanamycin Ototoxicity

Chapter: Intoxication

Chapter Section: Kanamycin

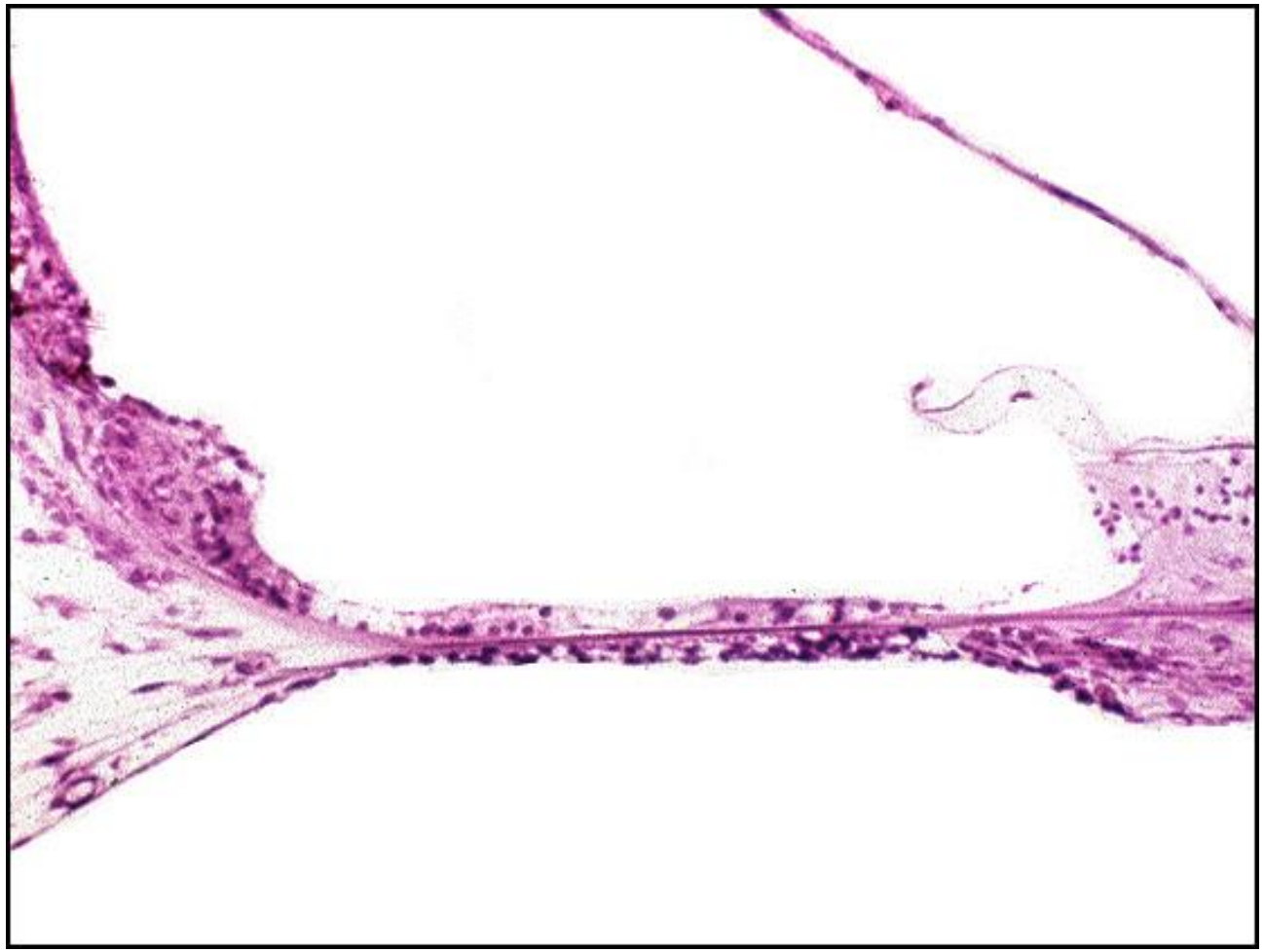
TB Case Number: 700

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Ototoxic deafness caused by parenteral kanamycin and manifested by severe loss of hair cells of both cochleae
2. Acute right otitis media
3. Acute labyrinthitis, mild, early, right
4. Postmortem irrigation with fixative, right ear



Kanamycin Ototoxicity

Title: Kanamycin Ototoxicity

Chapter: Intoxication

Chapter Section: Kanamycin

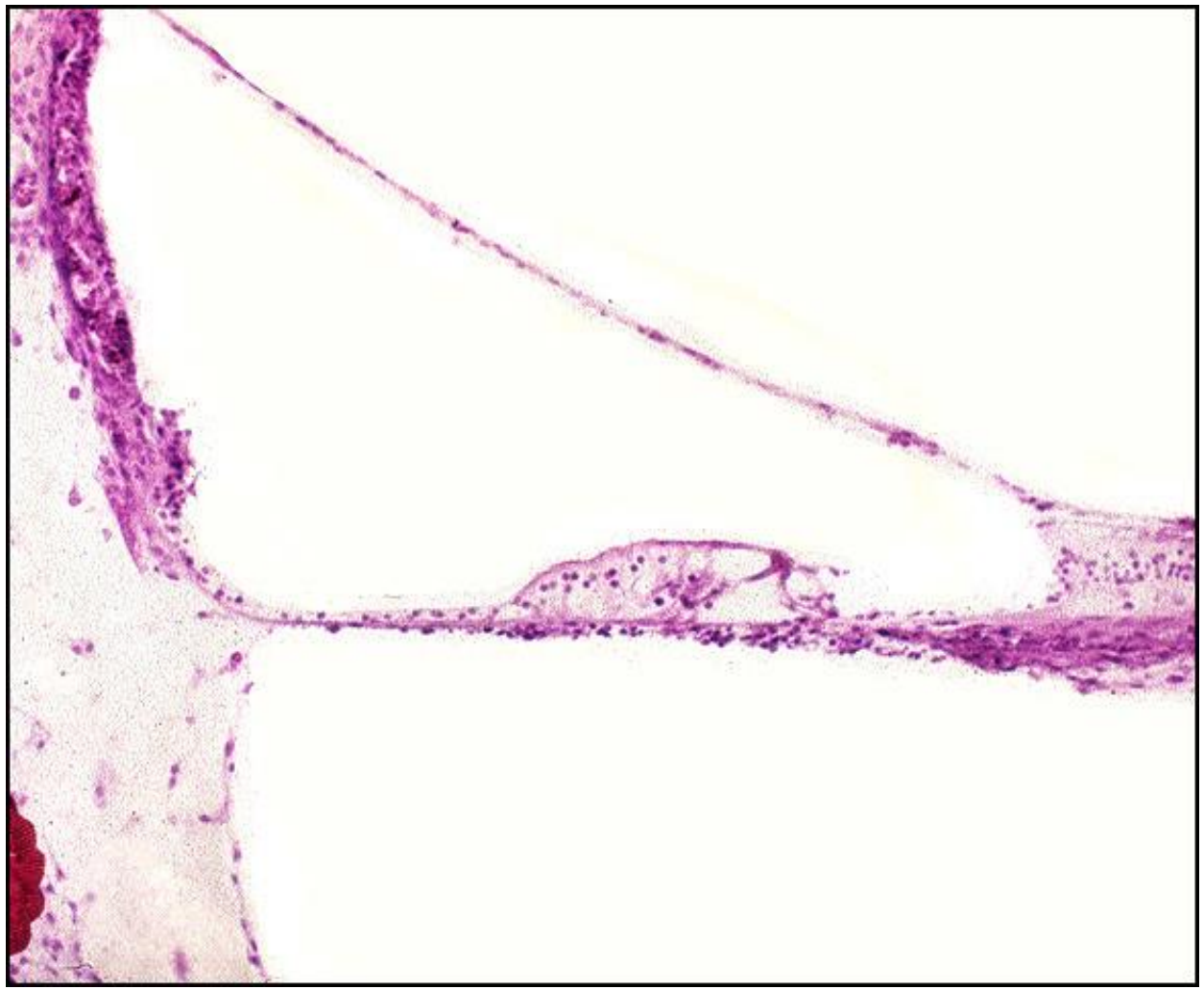
TB Case Number: 700

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Ototoxic deafness caused by parenteral kanamycin and manifested by severe loss of hair cells of both cochleae
2. Acute right otitis media
3. Acute labyrinthitis, mild, early, right
4. Postmortem irrigation with fixative, right ear



Kanamycin Ototoxicity

Title: Kanamycin Ototoxicity

Chapter: Intoxication

Chapter Section: Kanamycin

TB Case Number: 700

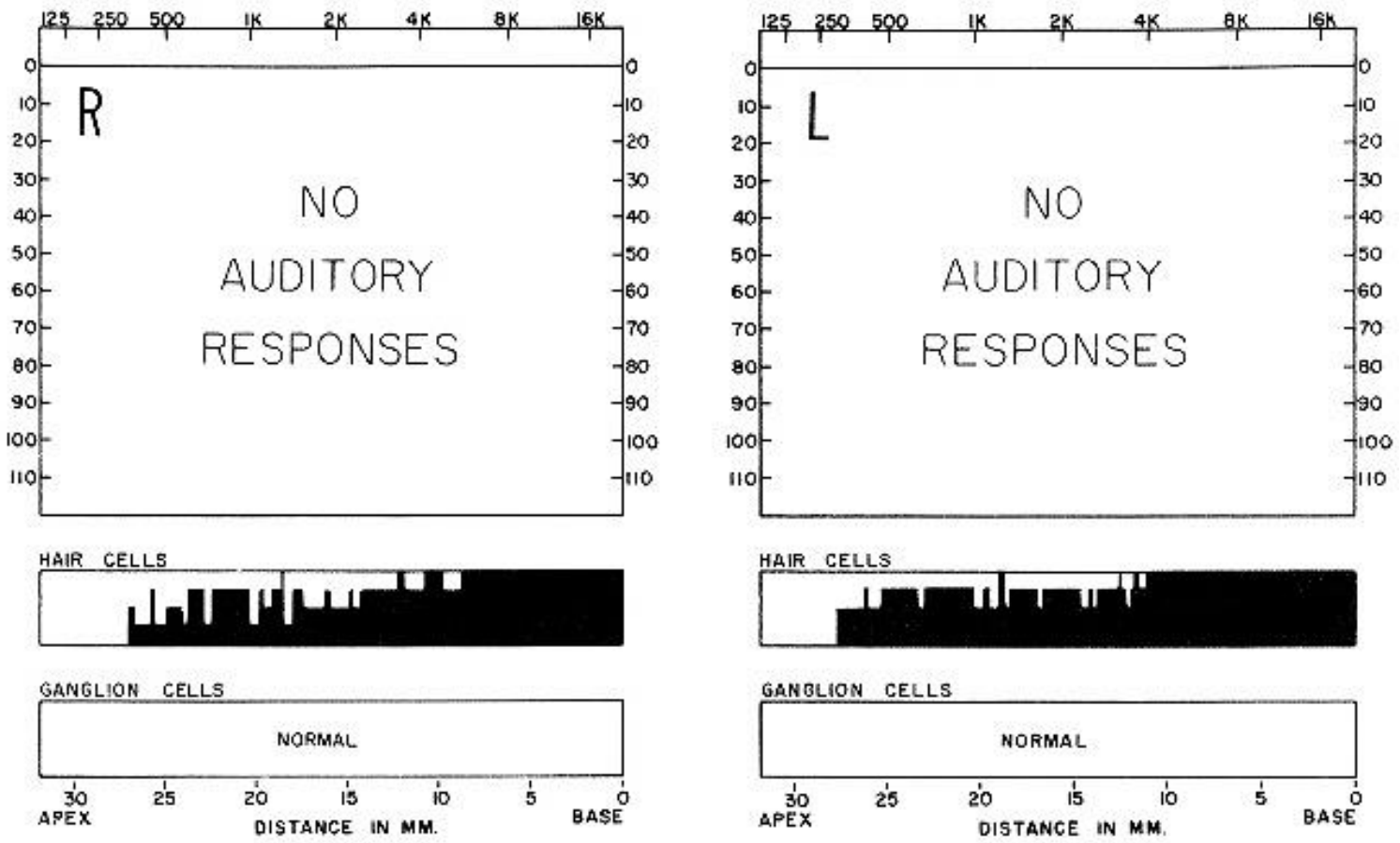
Comments: Audio-cytocochleogram

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Ototoxic deafness caused by parenteral kanamycin and manifested by severe loss of hair cells of both cochleae
2. Acute right otitis media
3. Acute labyrinthitis, mild, early, right
4. Postmortem irrigation with fixative, right ear



Kanamycin Ototoxicity, R-221

Title: Kanamycin Ototoxicity, R221

Chapter: Intoxication

Chapter Section: Kanamycin

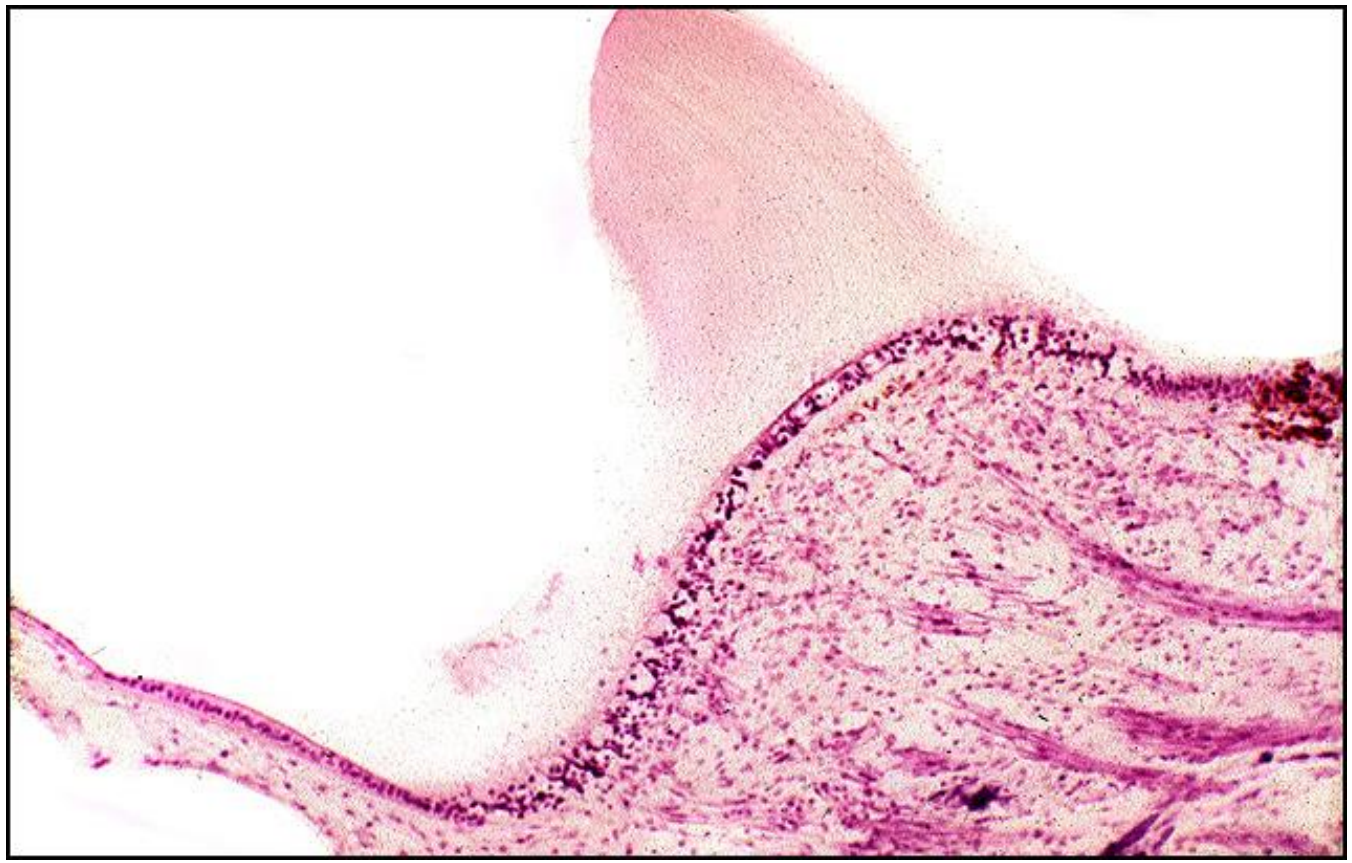
TB Case Number: 174

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Aminoglycoside ototoxicity, kanamycin, severe, bilateral
2. Organ of Corti, hair cell, loss, severe, kanamycin ototoxicity, severe
3. Neurons, cochlear, normal, bilateral
4. Stria vascularis, atrophy, moderate, bilateral
5. Tympanomastoiditis, acute



Kanamycin Ototoxicity

Title: Kanamycin Ototoxicity

Chapter: Intoxication

Chapter Section: Kanamycin

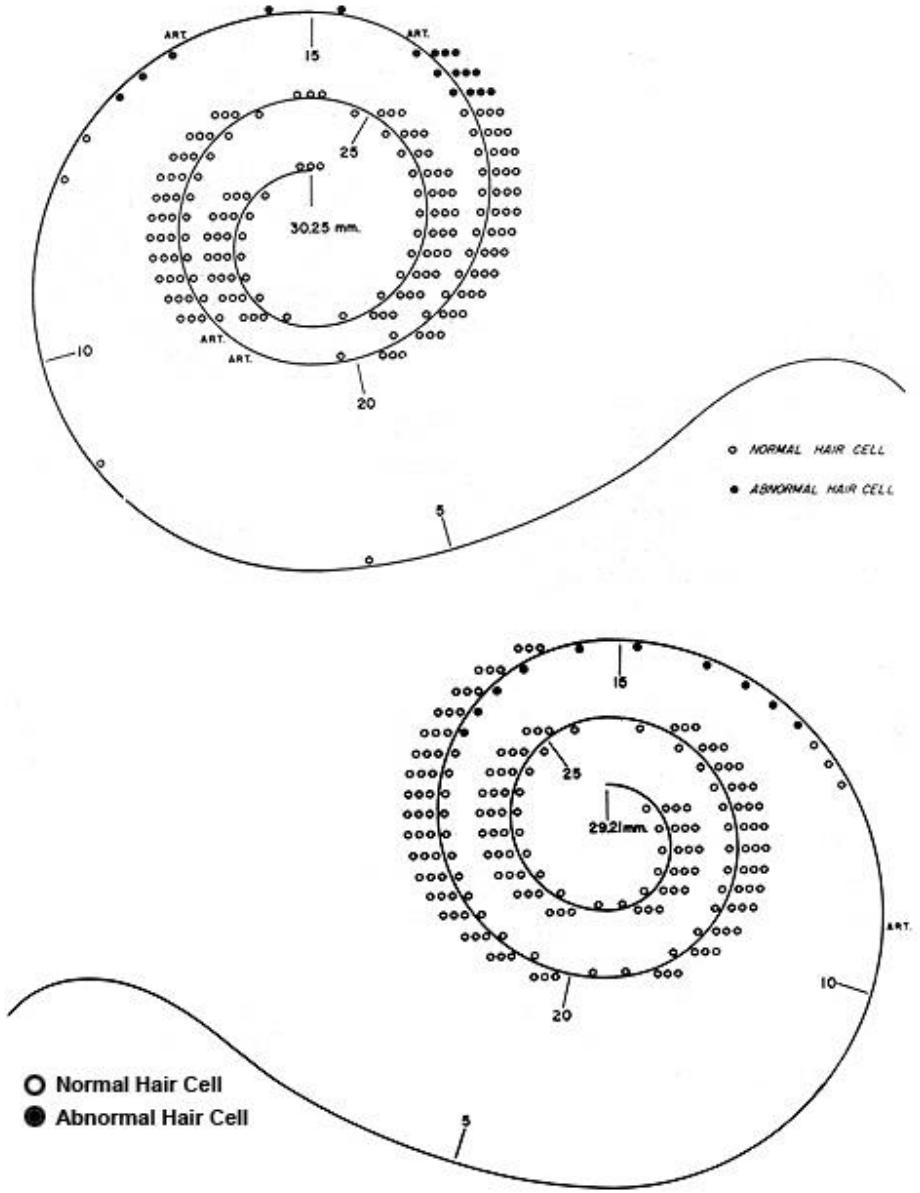
TB Case Number: 82

Gender: Female

Age (yrs.): 27

Otologic Diagnosis:

1. Aminoglycoside, ototoxicity, kanamycin, cochlear, bilateral
2. Organ of Corti, hair cells, atrophy, basal turn, kanamycin ototoxicity, bilateral



Kanamycin Ototoxicity, R-127

Title: Kanamycin Ototoxicity, R-127

Chapter: Intoxication

Chapter Section: Kanamycin

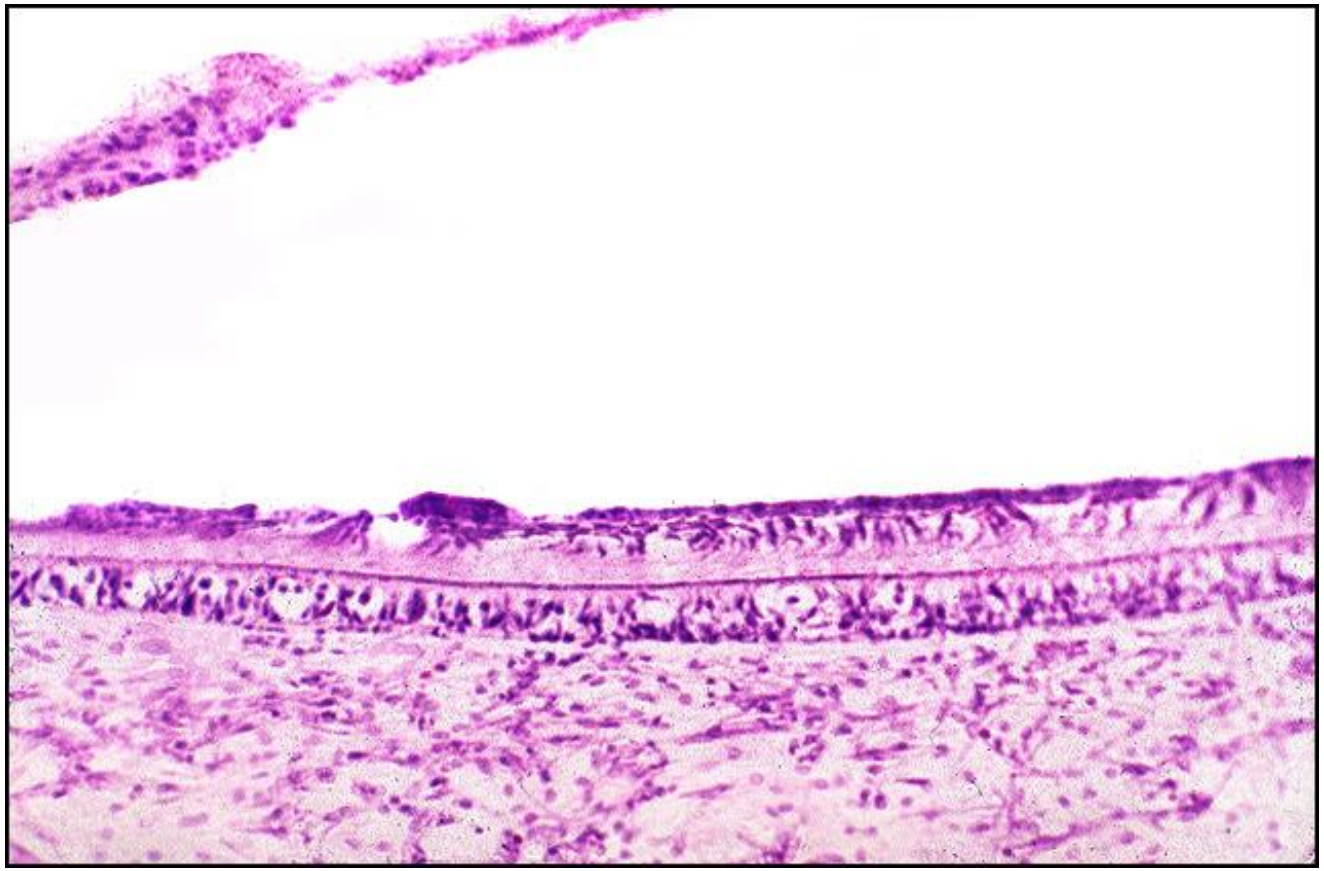
TB Case Number: 174

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Aminoglycoside ototoxicity, kanamycin, severe, bilateral
2. Organ of Corti, hair cell, loss, severe, kanamycin ototoxicity, severe
3. Neurons, cochlear, normal, bilateral
4. Stria vascularis, atrophy, moderate, bilateral
5. Tympanomastoiditis, acute



Kanamycin Ototoxicity, R-161

Title: Kanamycin Ototoxicity, R-161

Chapter: Intoxication

Chapter Section: Kanamycin

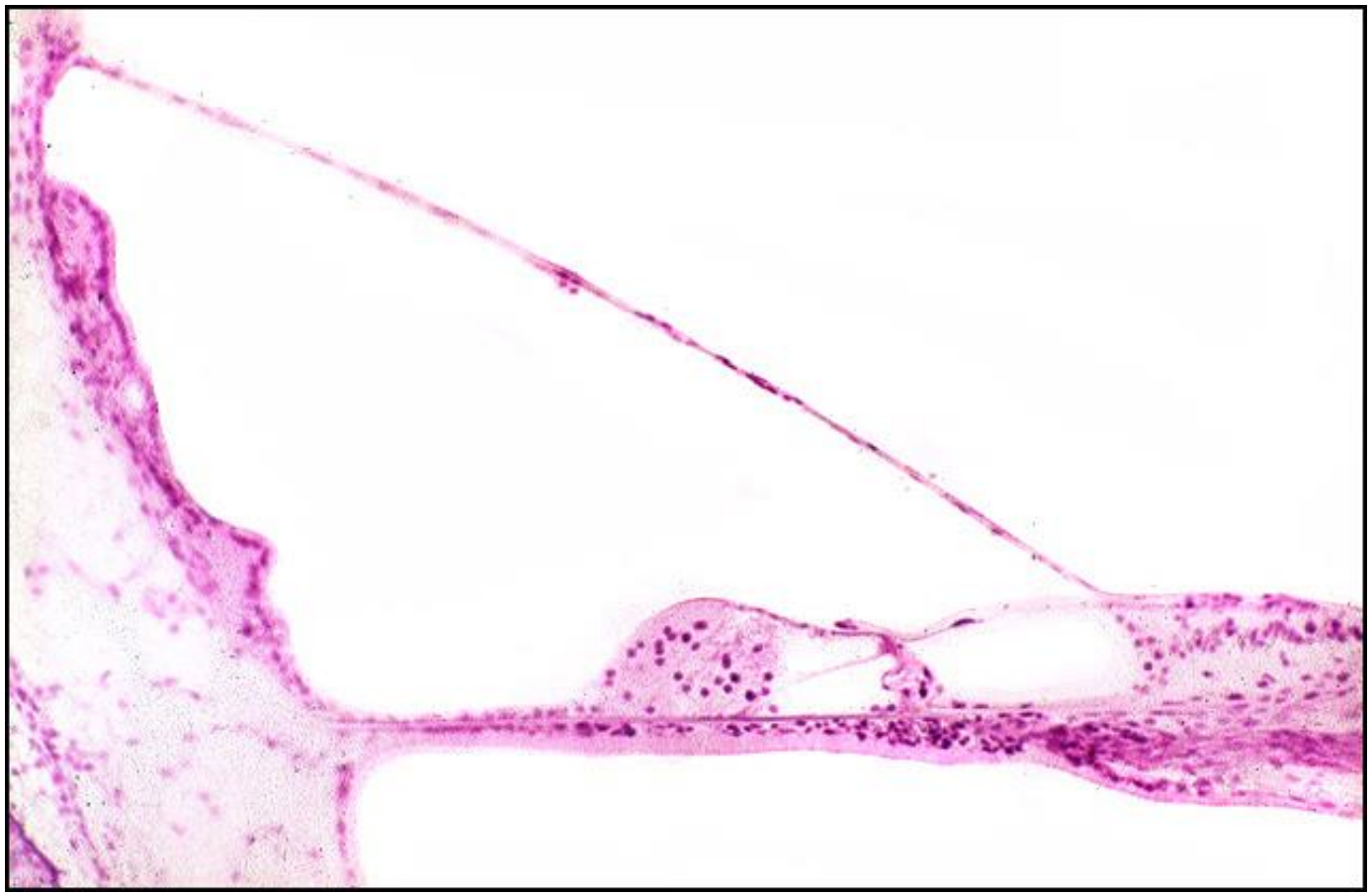
TB Case Number: 174

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Aminoglycoside ototoxicity, kanamycin, severe, bilateral
2. Organ of Corti, hair cell, loss, severe, kanamycin ototoxicity, severe
3. Neurons, cochlear, normal, bilateral
4. Stria vascularis, atrophy, moderate, bilateral
5. Tympanomastoiditis, acute



Kanamycin Ototoxicity, R-182

Title: Kanamycin Ototoxicity, R-182

Chapter: Intoxication

Chapter Section: Kanamycin

TB Case Number: 174

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Aminoglycoside ototoxicity, kanamycin, severe, bilateral
2. Organ of Corti, hair cell, loss, severe, kanamycin ototoxicity, severe
3. Neurons, cochlear, normal, bilateral
4. Stria vascularis, atrophy, moderate, bilateral
5. Tympanomastoiditis, acute

Kanamycin Ototoxicity, L-251

Title: Kanamycin Ototoxicity, L-251

Chapter: Intoxication

Chapter Section: Kanamycin

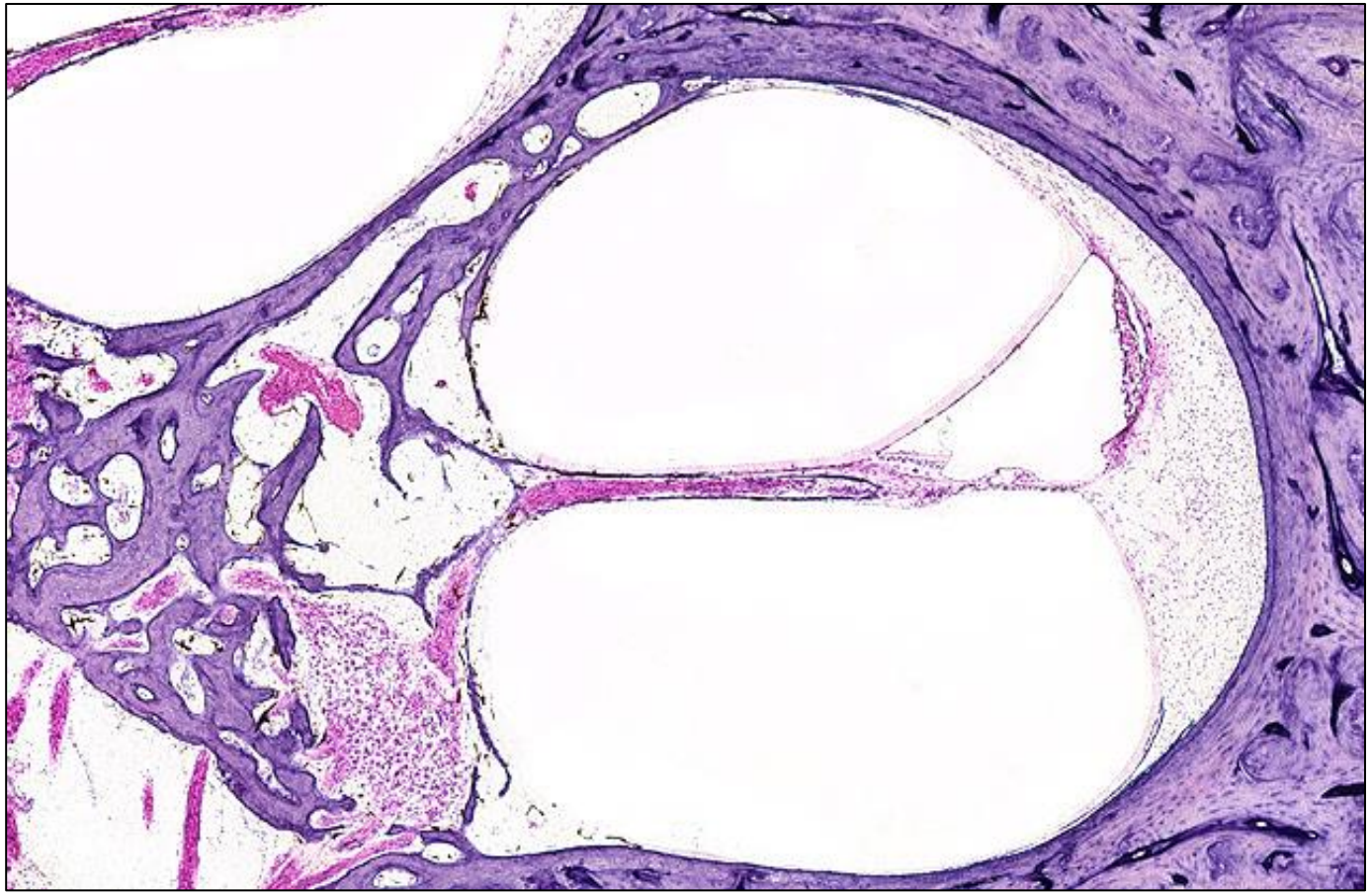
TB Case Number: 577

Gender: Female

Age (yrs.): 19

Otologic Diagnosis:

1. Kanamycin deafness, bilateral, severe
2. Hair cell degeneration, cochleae, bilateral, near total, due to kanamycin ototoxicity



Kanamycin Ototoxicity, L-201

Title: Kanamycin Ototoxicity, L-201

Chapter: Intoxication

Chapter Section: Kanamycin

TB Case Number: 577

Gender: Female

Age (yrs.): 19

Otologic Diagnosis:

1. Kanamycin deafness, bilateral, severe
2. Hair cell degeneration, cochleae, bilateral, near total, due to kanamycin ototoxicity

Kanamycin Ototoxicity, L-231

Title: Kanamycin Ototoxicity, L-231

Chapter: Intoxication

Chapter Section: Kanamycin

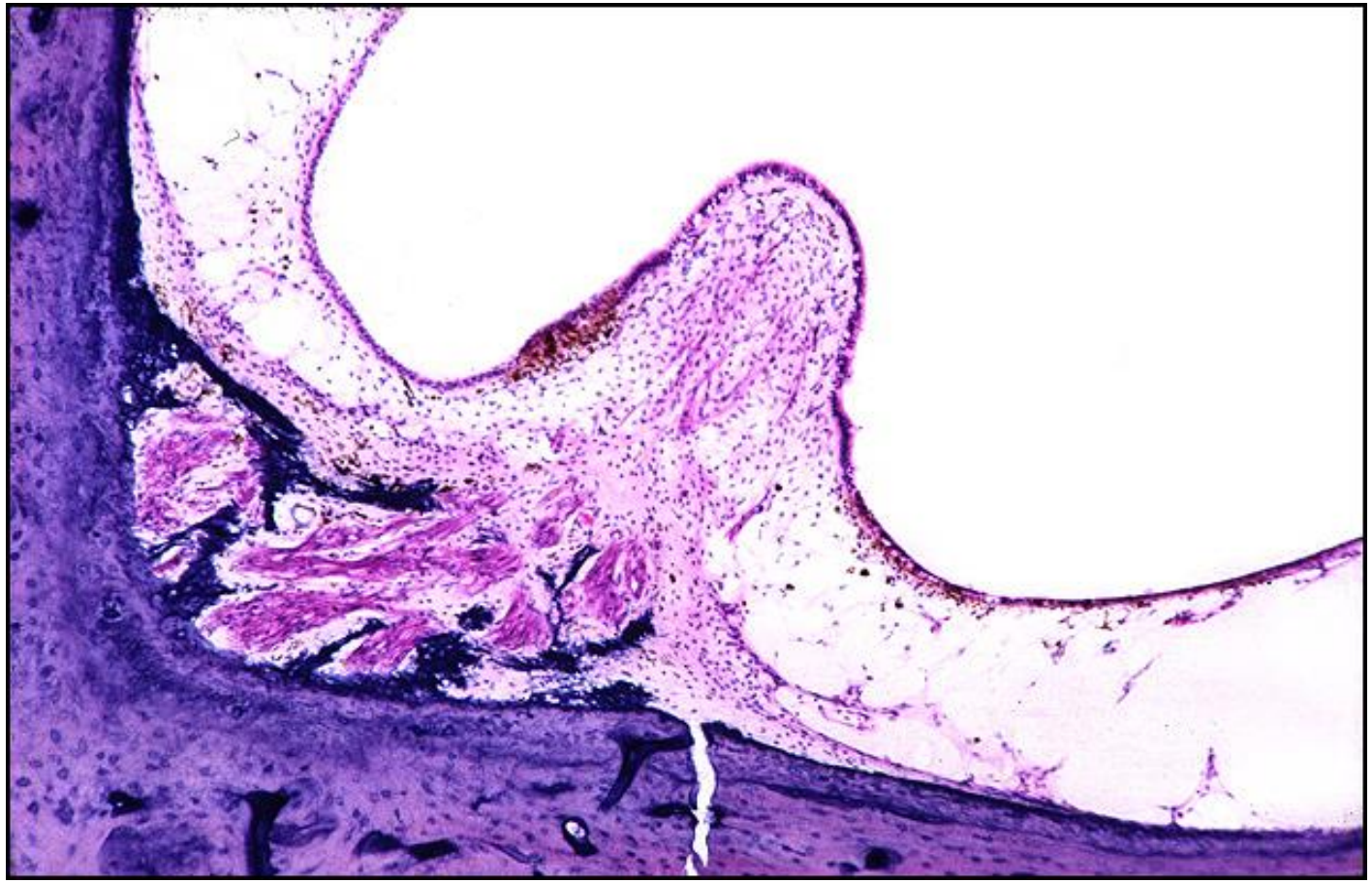
TB Case Number: 577

Gender: Female

Age (yrs.): 19

Otologic Diagnosis:

1. Kanamycin deafness, bilateral, severe
2. Hair cell degeneration, cochleae, bilateral, near total, due to kanamycin ototoxicity



Kanamycin Ototoxicity, L-251

Title: Kanamycin Ototoxicity, L-251

Chapter: Intoxication

Chapter Section: Kanamycin

TB Case Number: 577

Gender: Female

Age (yrs.): 19

Otologic Diagnosis:

1. Kanamycin deafness, bilateral, severe
2. Hair cell degeneration, cochleae, bilateral, near total, due to kanamycin ototoxicity

Gentamicin Ototoxicity, L-283

Title: Gentamicin Ototoxicity, L-283

Chapter: Intoxication

Chapter Section: Gentamycin

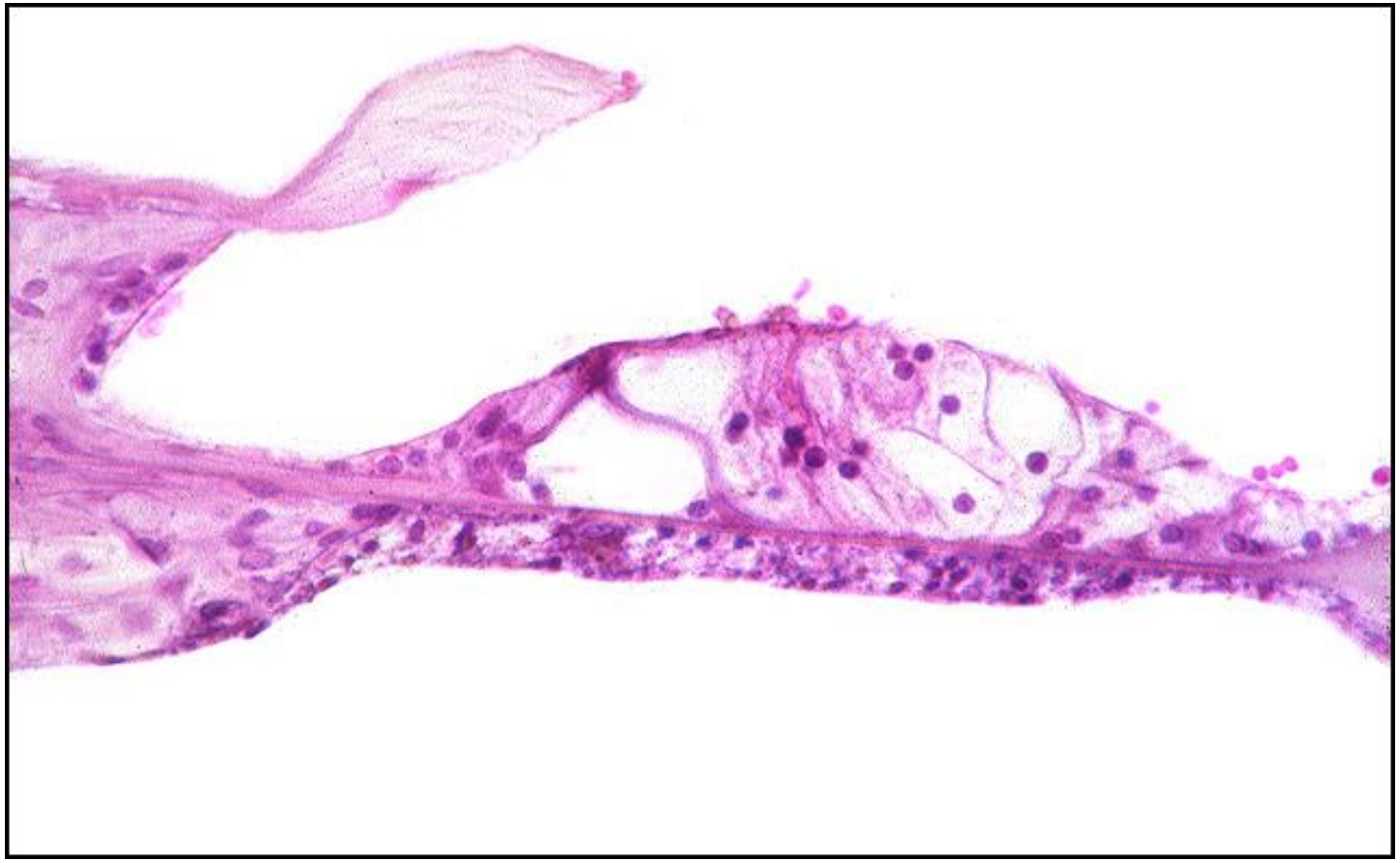
TB Case Number: 17

Gender: Male

Age (yrs.): 51

Otologic Diagnosis:

1. Gentamicin ototoxicity, severe
2. Severe (near total) loss of inner and outer hair cells, secondary to #1, bilateral
3. Pigmentary deposit, organ of Corti
4. Hemorrhage, intracochlear, scalae media and vestibuli, upper basal and middle turns



Neomycin Ototoxicity

Title: Neomycin Ototoxicity

Chapter: Intoxication

Chapter Section: Neomycin

TB Case Number: 748

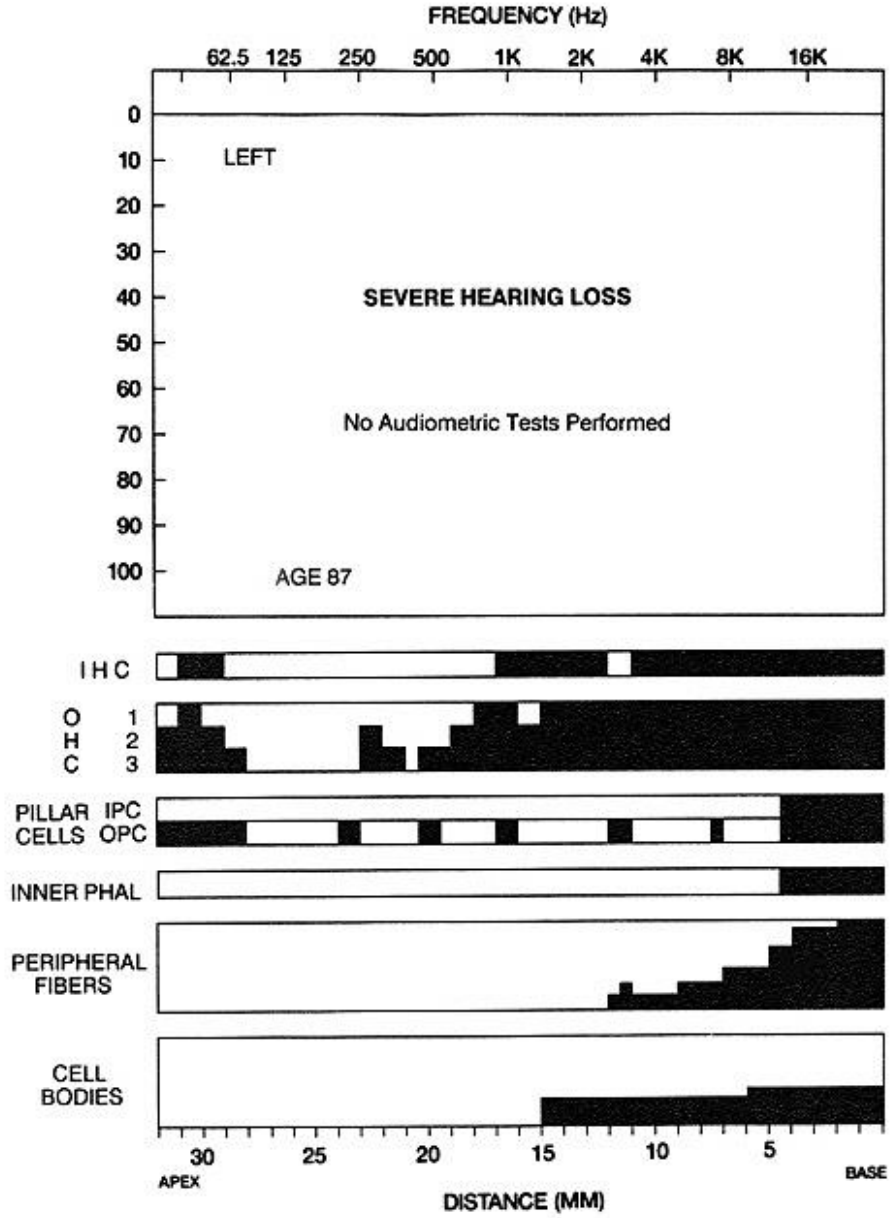
Comments: Audio-cytocochleogram

Gender: Female

Age (yrs.): 87

Otologic Diagnosis:

Ototoxicity, neomycin, neomycin deafness



Neomycin Ototoxicity

Title: Neomycin Ototoxicity

Chapter: Intoxication

Chapter Section: Neomycin

TB Case Number: 748

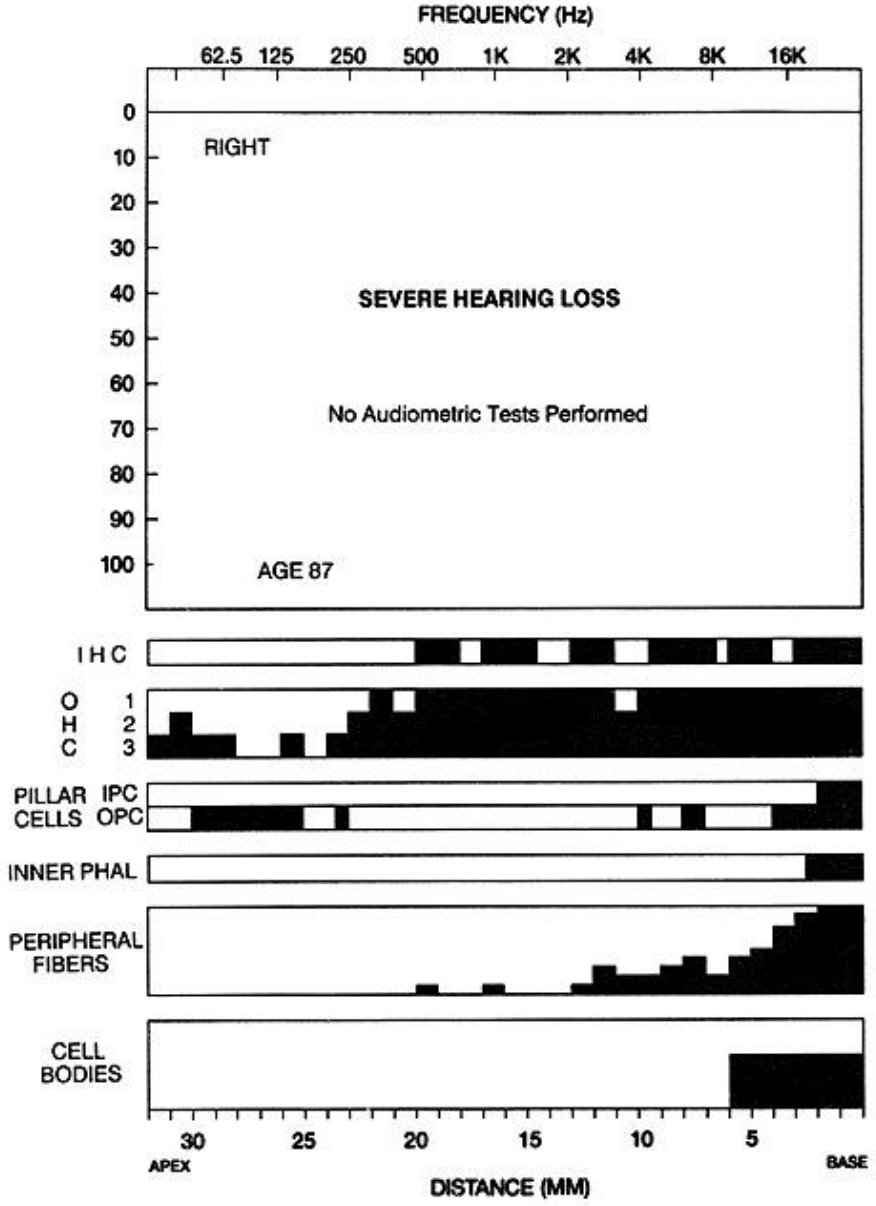
Comments: Audio-cytocochleogram

Gender: Female

Age (yrs.): 87

Otologic Diagnosis:

Ototoxicity, neomycin, neomycin deafness



Neomycin Ototoxicity, R-231

Title: Neomycin Ototoxicity, R-231

Chapter: Intoxication

Chapter Section: Neomycin

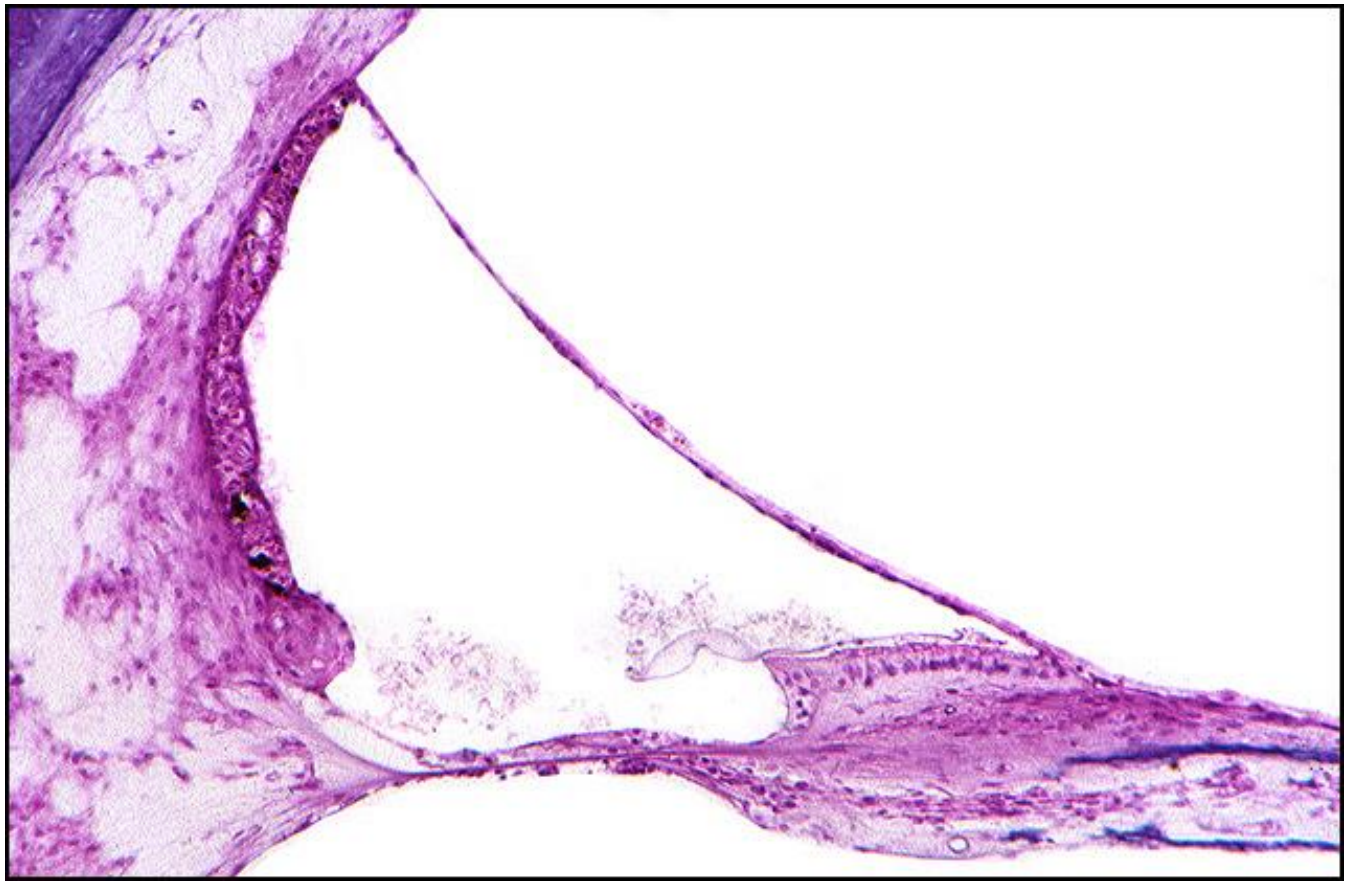
TB Case Number: 748

Gender: Female

Age (yrs.): 87

Otologic Diagnosis:

Ototoxicity, neomycin, neomycin deafness



Erythromycin Ototoxicity, R-181

Title: Erythromycin Ototoxicity, R-181

Chapter: Intoxication

Chapter Section: Erythromycin

TB Case Number: 911

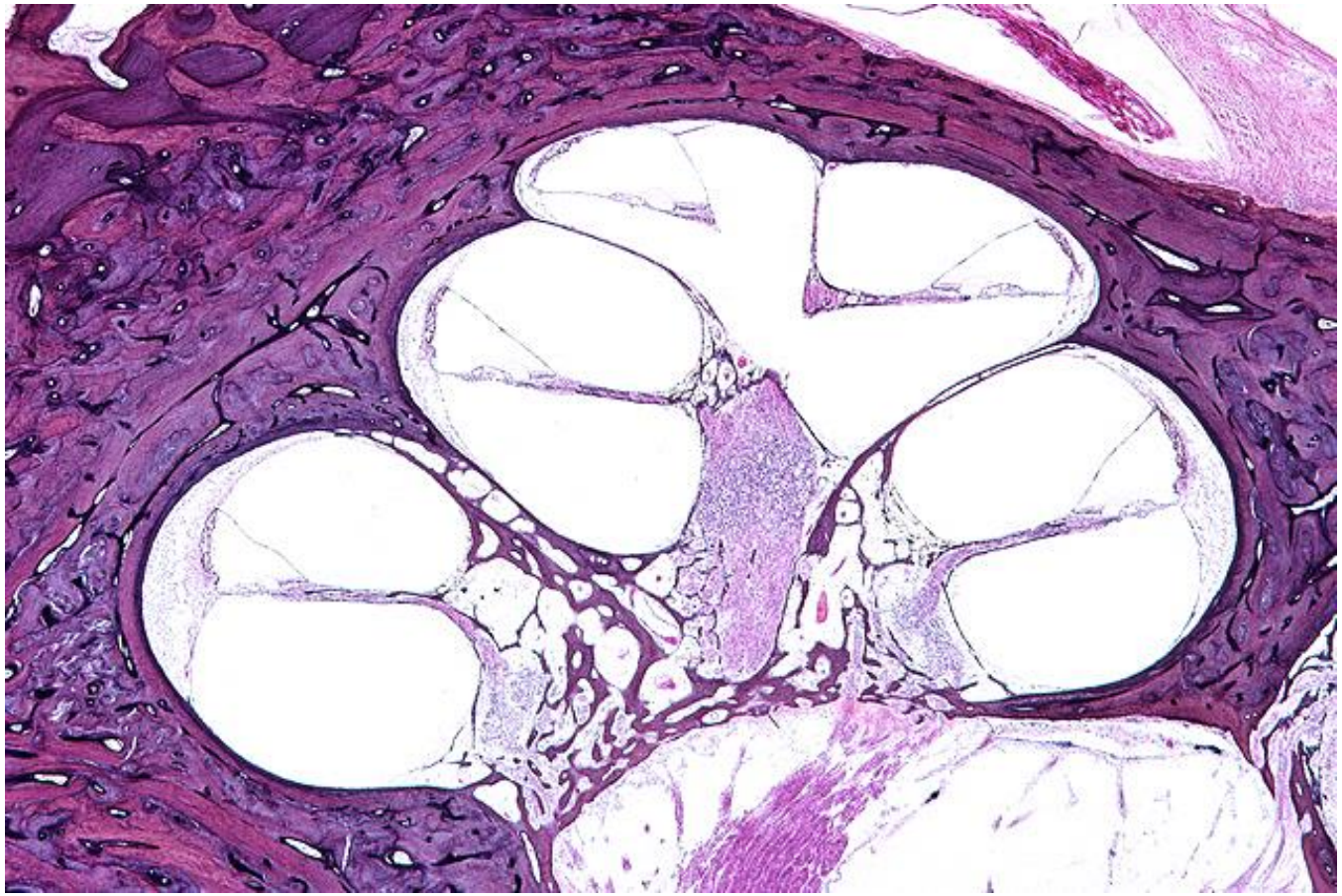
Comments: Strial edema

Gender: Female

Age (yrs.): 57

Otologic Diagnosis:

1. Sensorineural hearing loss, moderate, symmetric, bilateral, presumed secondary to erythromycin ototoxicity
2. Stria vascularis edema, pathologic, bilateral, presumed secondary to erythromycin ototoxicity



Erythromycin Ototoxicity, R-131

Title: Erythromycin Ototoxicity, R-131

Chapter: Intoxication

Chapter Section: Erythromycin

TB Case Number: 911

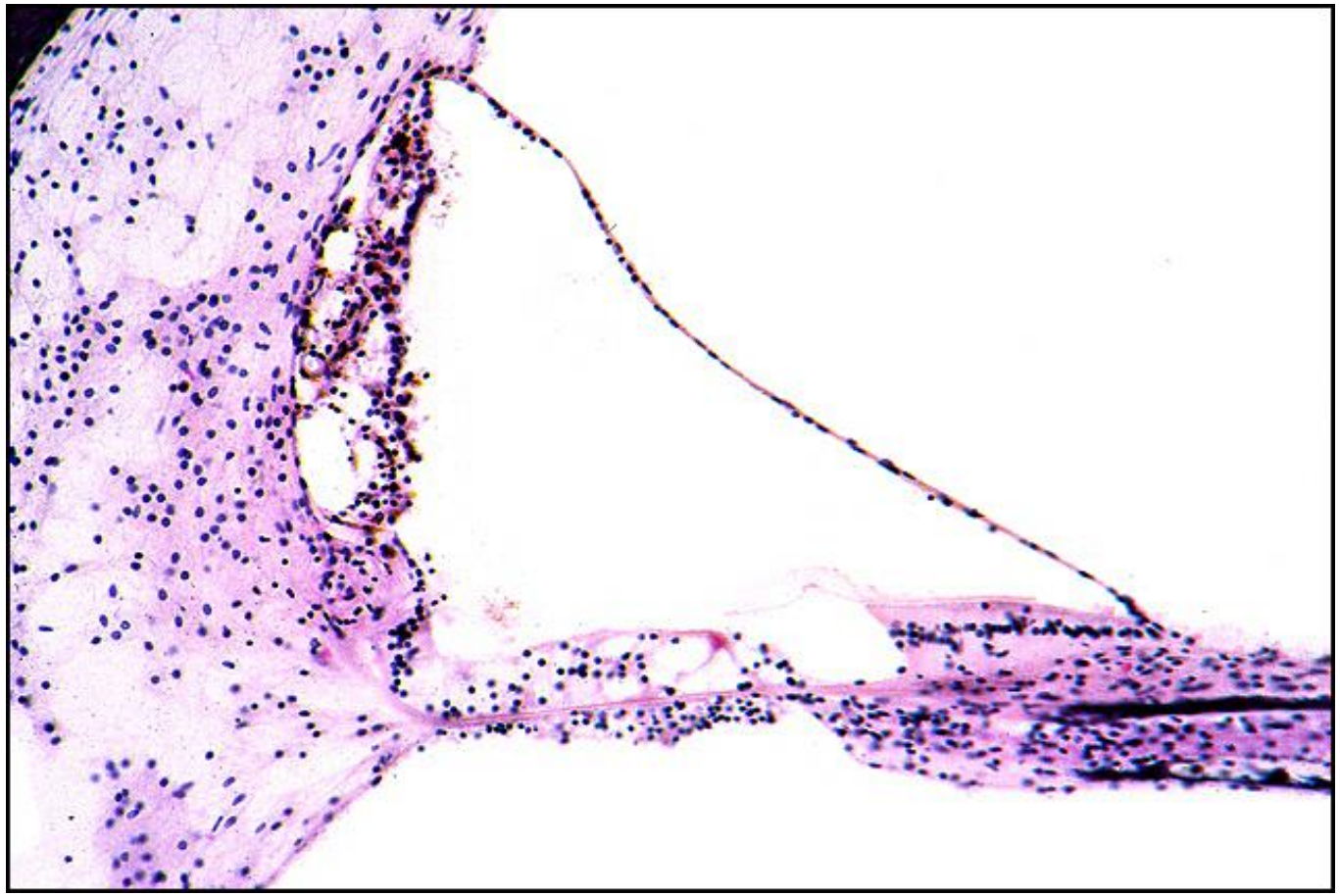
Comments: Strial edema

Gender: Female

Age (yrs.): 57

Otologic Diagnosis:

1. Sensorineural hearing loss, moderate, symmetric, bilateral, presumed secondary to erythromycin ototoxicity
2. Stria vascularis edema, pathologic, bilateral, presumed secondary to erythromycin ototoxicity



Erythromycin Ototoxicity, R-181

Title: Erythromycin Ototoxicity, R-181

Chapter: Intoxication

Chapter Section: Erythromycin

TB Case Number: 911

Comments: Strial edema

Gender: Female

Age (yrs.): 57

Otologic Diagnosis:

1. Sensorineural hearing loss, moderate, symmetric, bilateral, presumed secondary to erythromycin ototoxicity
2. Stria vascularis edema, pathologic, bilateral, presumed secondary to erythromycin ototoxicity

Furosemide Ototoxicity, L-261

Title: Furosemide Ototoxicity, L-261

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

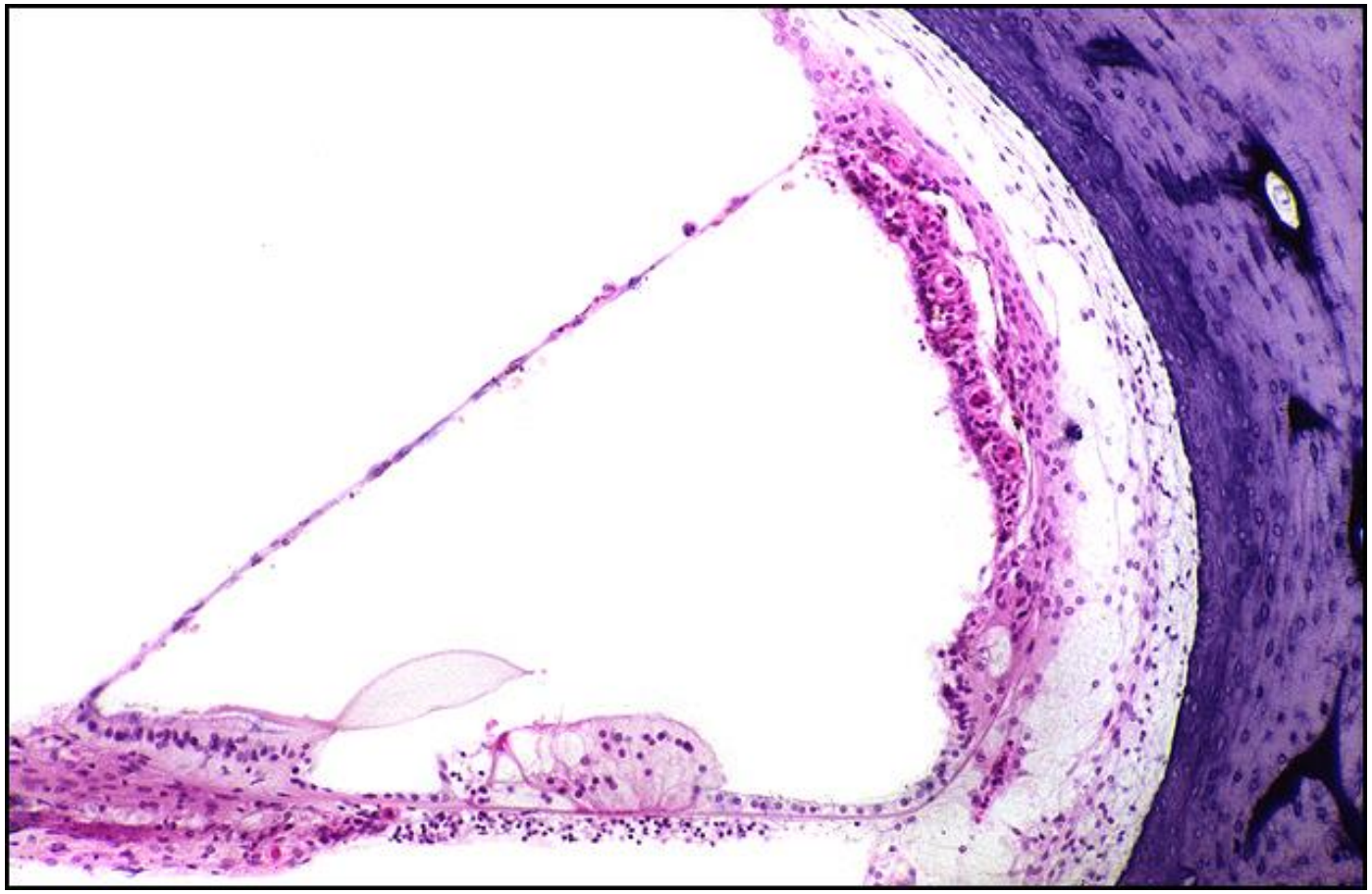
TB Case Number: 415

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Lymphoma infiltrates, soft tissues and fluid space of inner ears, severe, bilateral
2. Hemorrhages on the perilymphatic spaces, bilateral, most severe on the right
3. Atrophy of the organ of Corti with severe loss of hair cells, bilateral
4. Degeneration



Furosemide Ototoxicity, L-365

Title: Furosemide Ototoxicity, L-365

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

TB Case Number: 415

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Lymphoma infiltrates, soft tissues and fluid space of inner ears, severe, bilateral
2. Hemorrhages on the perilymphatic spaces, bilateral, most severe on the right
3. Atrophy of the organ of Corti with severe loss of hair cells, bilateral
4. Degeneration

Furosemide Ototoxicity, L-365

Title: Furosemide Ototoxicity, L-365

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

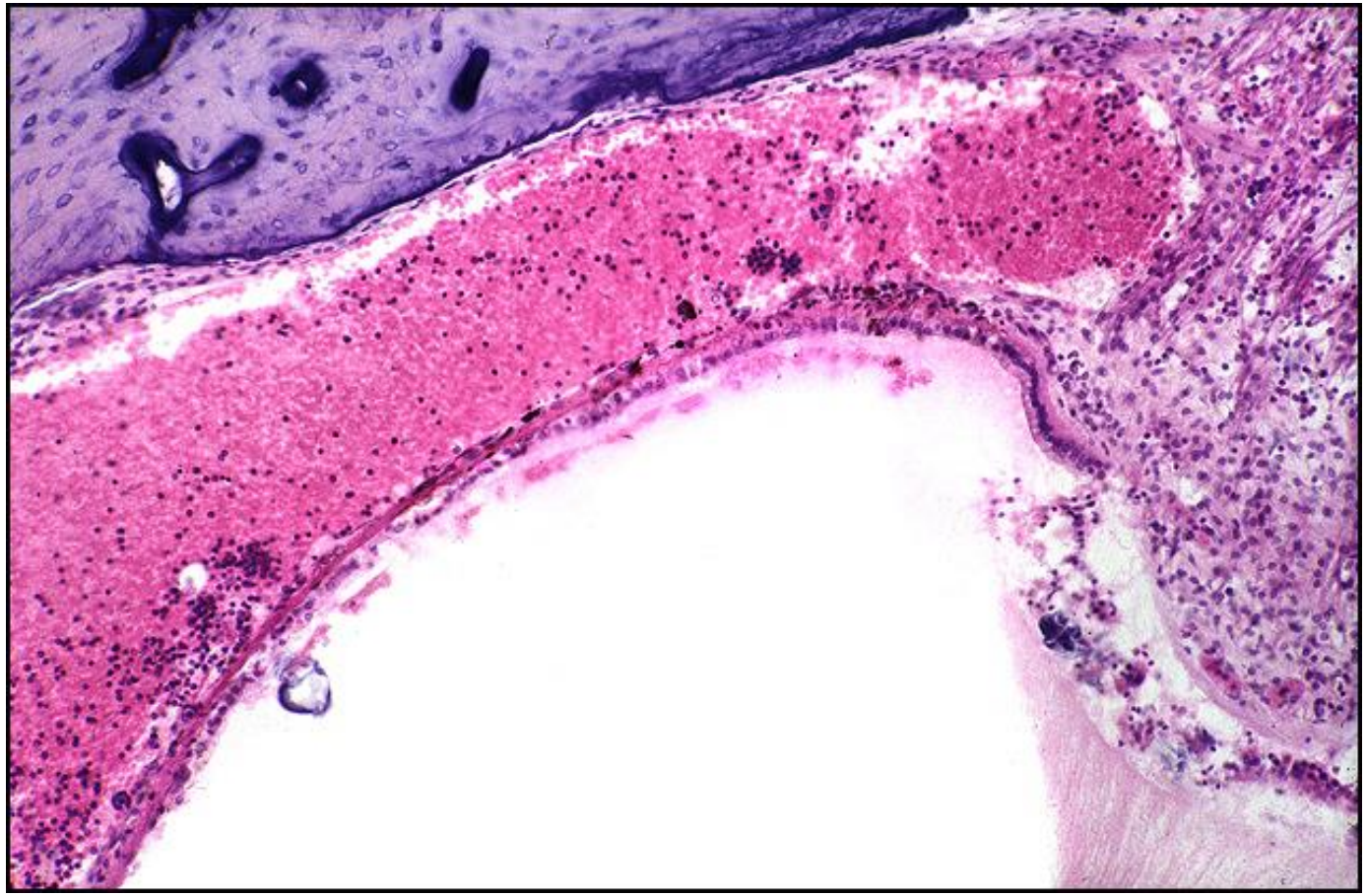
TB Case Number: 415

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Lymphoma infiltrates, soft tissues and fluid space of inner ears, severe, bilateral
2. Hemorrhages on the perilymphatic spaces, bilateral, most severe on the right
3. Atrophy of the organ of Corti with severe loss of hair cells, bilateral
4. Degeneration



Furosemide Ototoxicity, R-51

Title: Furosemide Ototoxicity, R-51

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

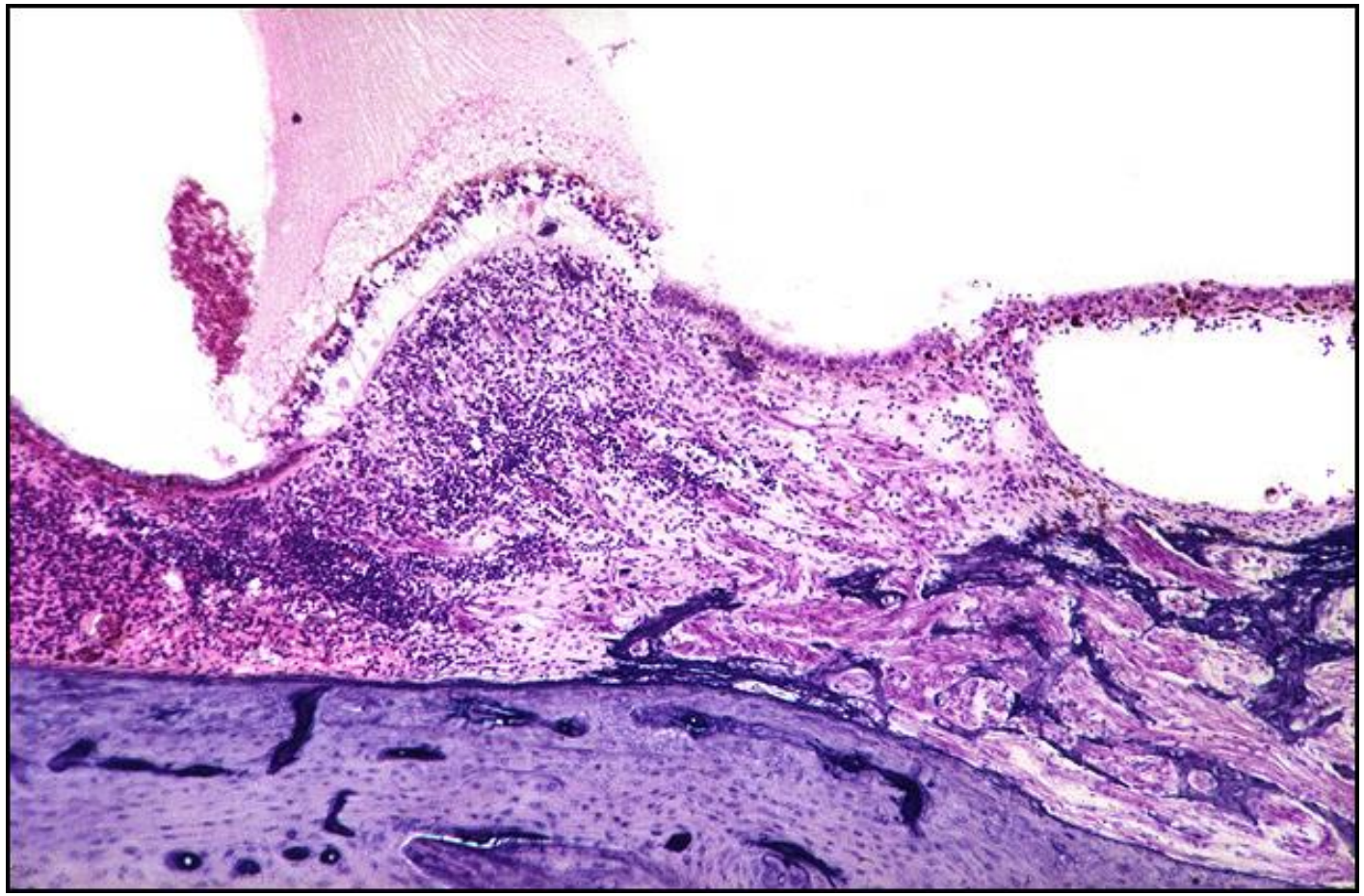
TB Case Number: 415

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Lymphoma infiltrates, soft tissues and fluid space of inner ears, severe, bilateral
2. Hemorrhages on the perilymphatic spaces, bilateral, most severe on the right
3. Atrophy of the organ of Corti with severe loss of hair cells, bilateral
4. Degeneration



Furosemide Ototoxicity, R-51

Title: Furosemide Ototoxicity, R-51

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

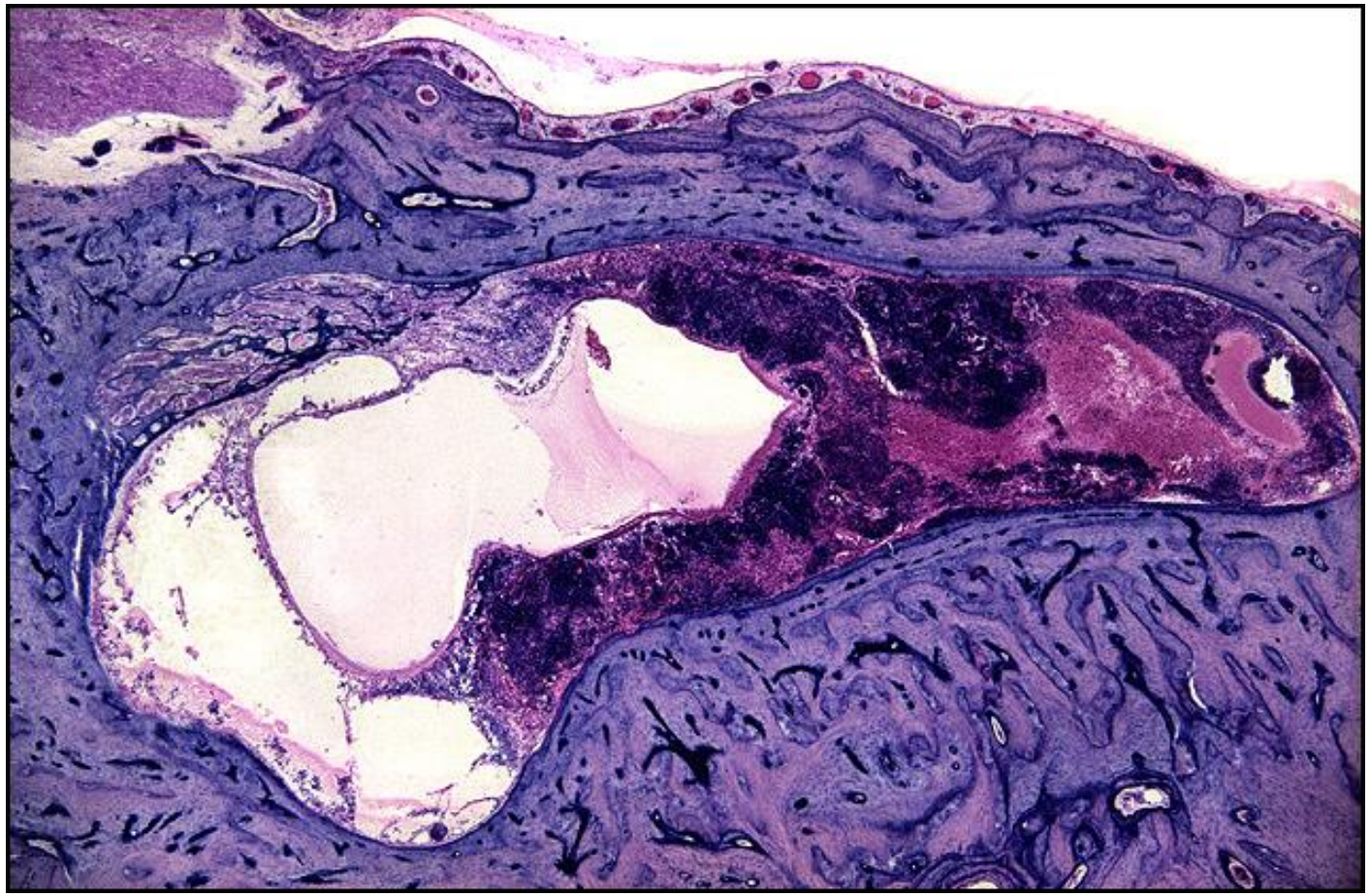
TB Case Number: 415

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Lymphoma infiltrates, soft tissues and fluid space of inner ears, severe, bilateral
2. Hemorrhages on the perilymphatic spaces, bilateral, most severe on the right
3. Atrophy of the organ of Corti with severe loss of hair cells, bilateral
4. Degeneration



Furosemide Ototoxicity, R-181

Title: Furosemide Ototoxicity, R-181

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

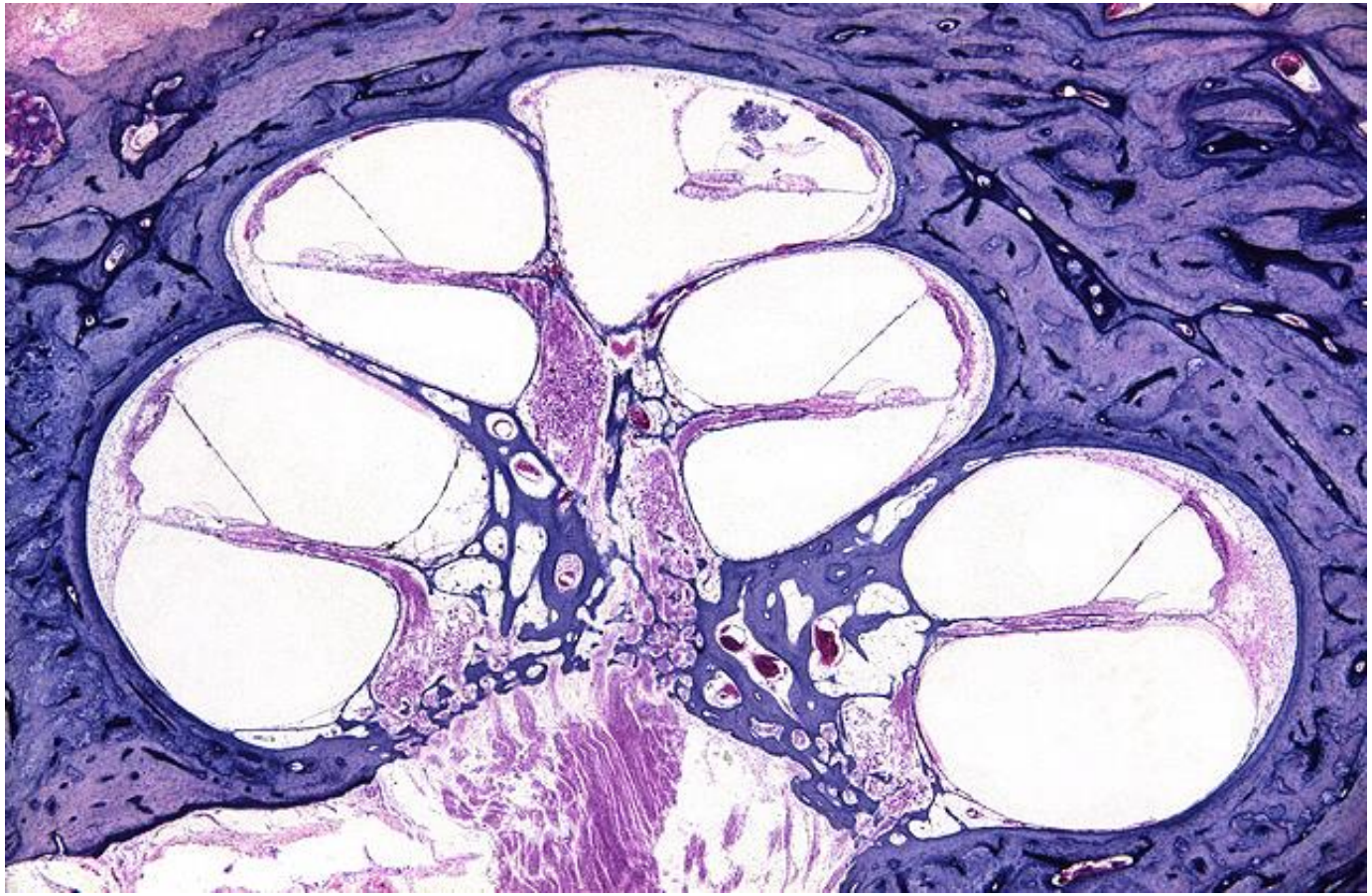
TB Case Number: 415

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Lymphoma infiltrates, soft tissues and fluid space of inner ears, severe, bilateral
2. Hemorrhages on the perilymphatic spaces, bilateral, most severe on the right
3. Atrophy of the organ of Corti with severe loss of hair cells, bilateral
4. Degeneration



Furosemide Ototoxicity, R-181

Title: Furosemide Ototoxicity, R-181

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

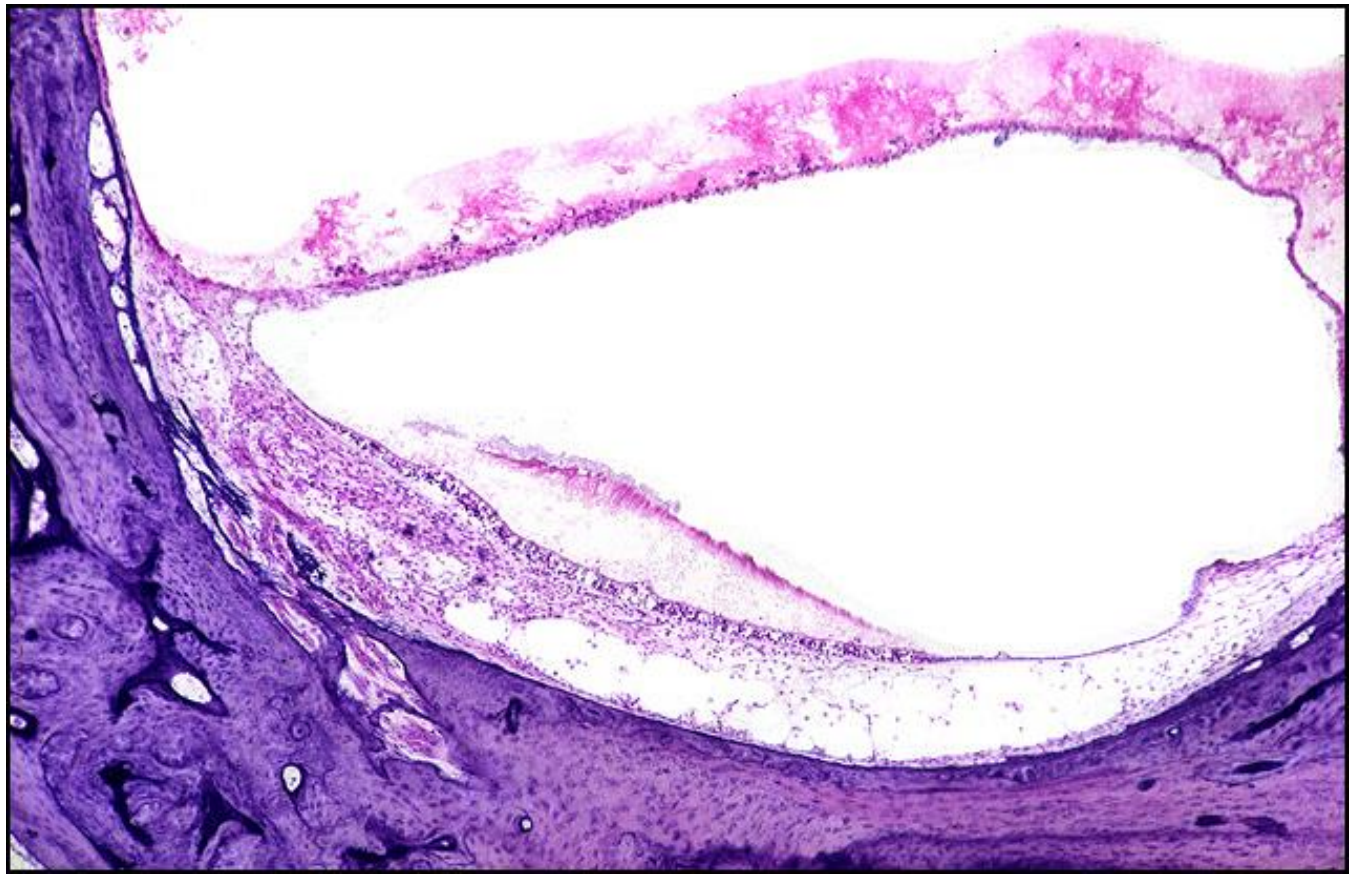
TB Case Number: 415

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Lymphoma infiltrates, soft tissues and fluid space of inner ears, severe, bilateral
2. Hemorrhages on the perilymphatic spaces, bilateral, most severe on the right
3. Atrophy of the organ of Corti with severe loss of hair cells, bilateral
4. Degeneration



Furosemide Ototoxicity, R-231

Title: Furosemide Ototoxicity, R-231

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

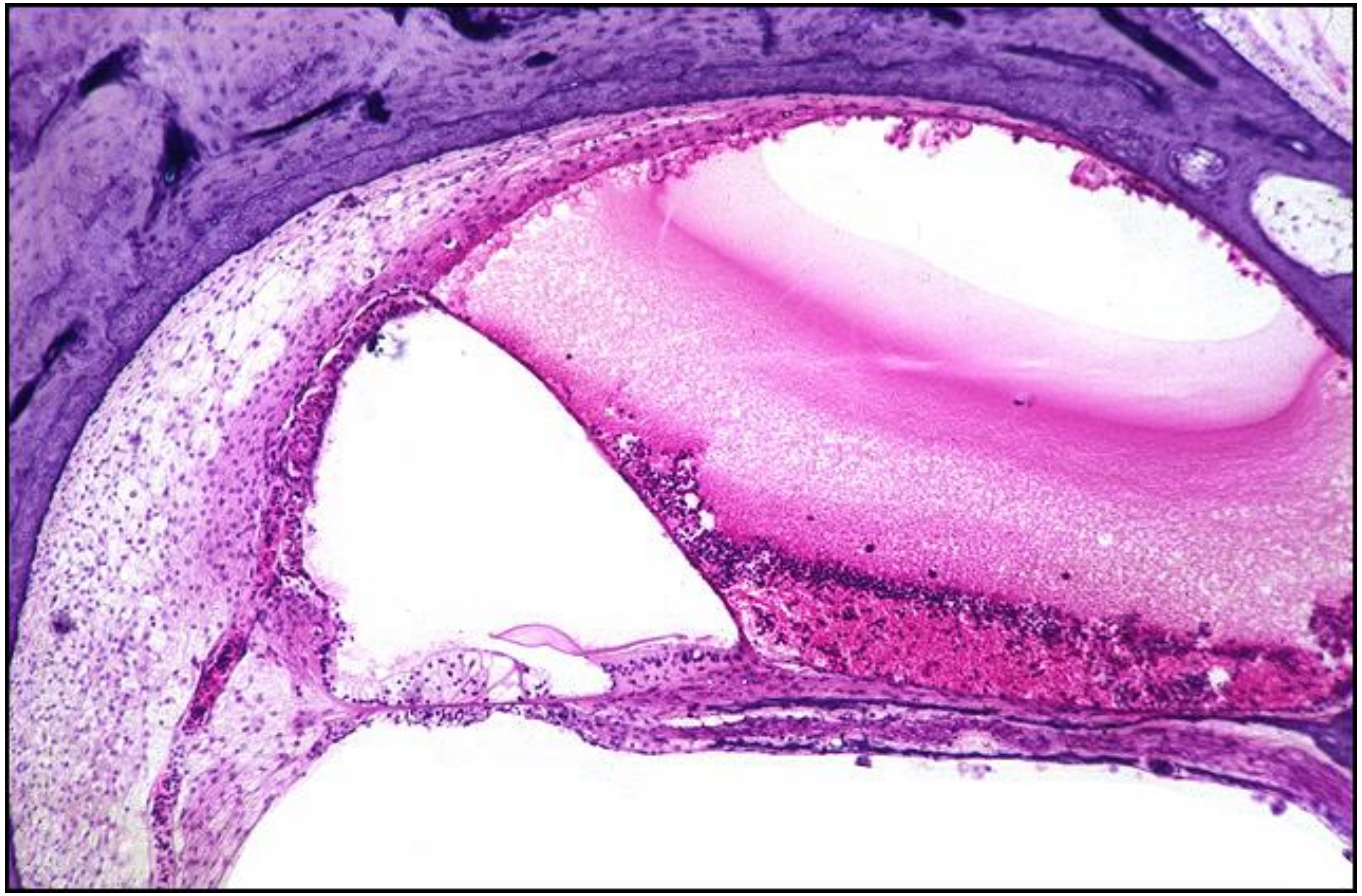
TB Case Number: 415

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Lymphoma infiltrates, soft tissues and fluid space of inner ears, severe, bilateral
2. Hemorrhages on the perilymphatic spaces, bilateral, most severe on the right
3. Atrophy of the organ of Corti with severe loss of hair cells, bilateral
4. Degeneration



Furosemide Ototoxicity, R-231

Title: Furosemide Ototoxicity, R-231

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

TB Case Number: 415

Gender: Male

Age (yrs.): 59

Otologic Diagnosis:

1. Lymphoma infiltrates, soft tissues and fluid space of inner ears, severe, bilateral
2. Hemorrhages on the perilymphatic spaces, bilateral, most severe on the right
3. Atrophy of the organ of Corti with severe loss of hair cells, bilateral
4. Degeneration

Furosemide Ototoxicity, L-242

Title: Furosemide Ototoxicity, L-242

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

TB Case Number: 655

Gender: Female

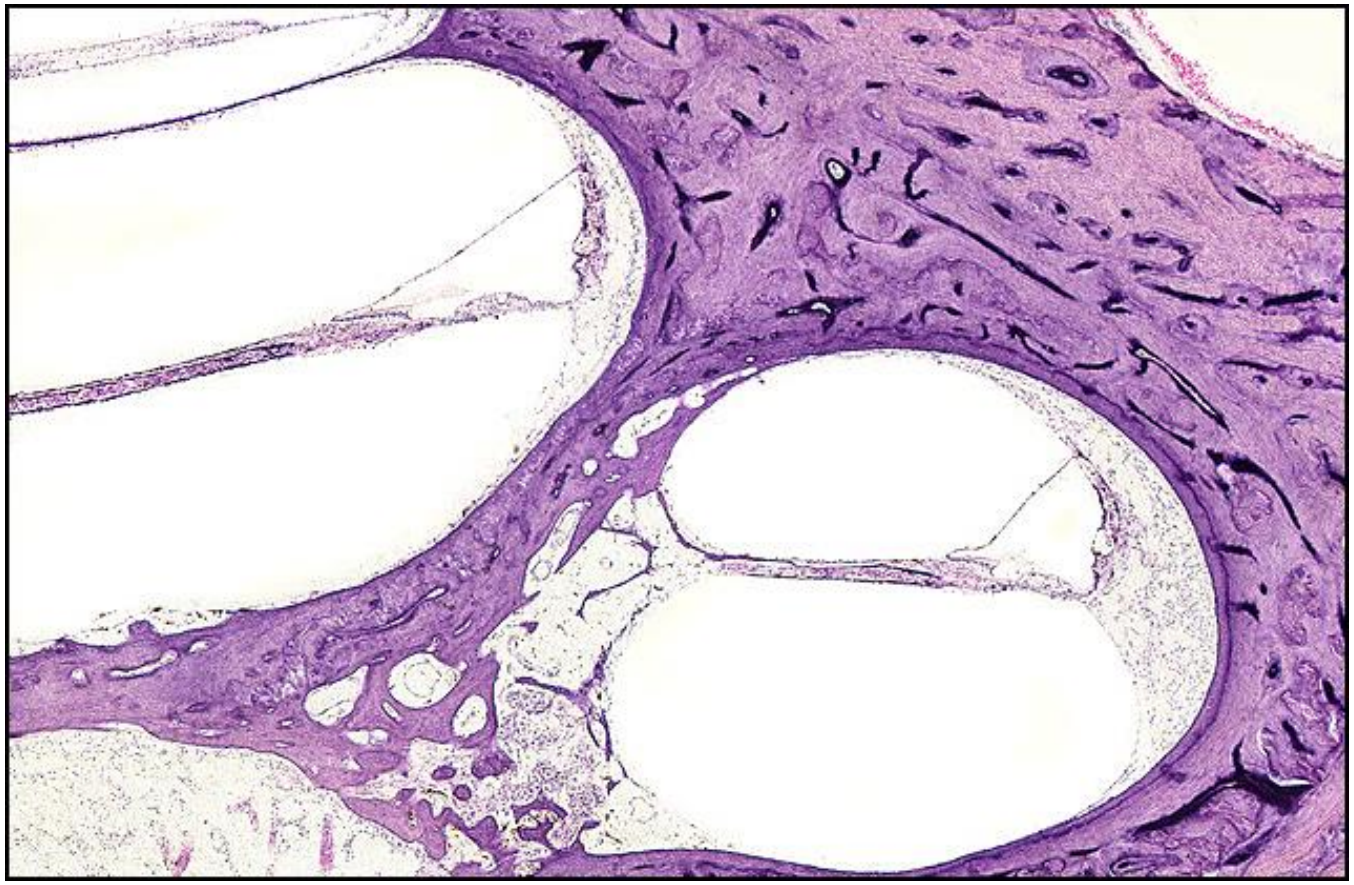
Age (yrs.): 65

Otologic Diagnosis:

Lasix ototoxicity manifested by:

a) Edema of the intermediate cell layer of the stria vascularis, all turns of the cochlea

b) Cystic degeneration, stria vascularis, marginal, adjacent to the spiral prominence, all turns of the cochlea



Furosemide Ototoxicity, L-242

Title: Furosemide Ototoxicity, L-242

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

TB Case Number: 655

Gender: Female

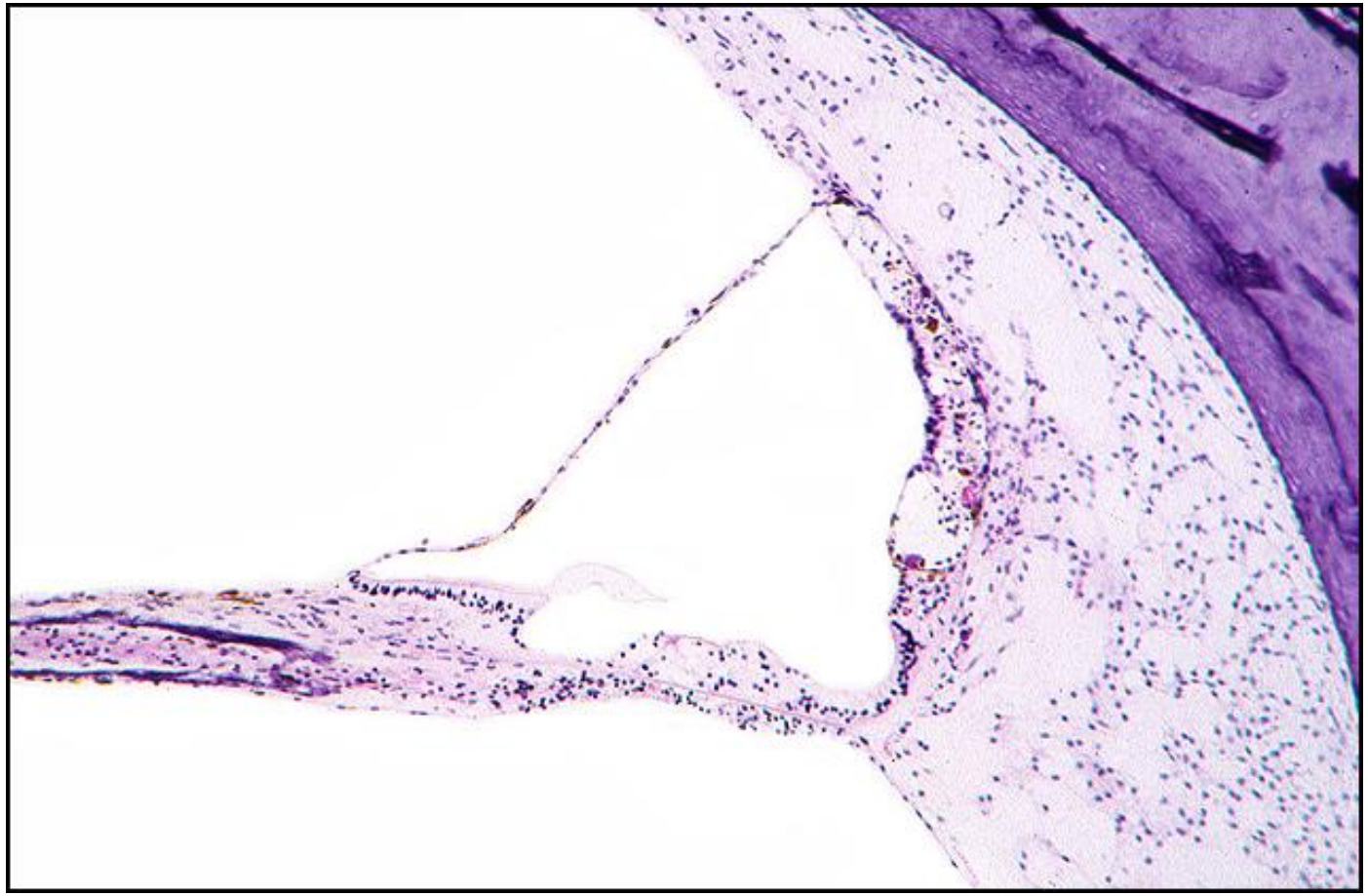
Age (yrs.): 65

Otologic Diagnosis:

Lasix ototoxicity manifested by:

a) Edema of the intermediate cell layer of the stria vascularis, all turns of the cochlea

b) Cystic degeneration, stria vascularis, marginal, adjacent to the spiral prominence, all turns of the cochlea



Furosemide Ototoxicity, L-251

Title: Furosemide Ototoxicity, L-251

Chapter: Intoxication

Chapter Section: Furosemide (Lasix)

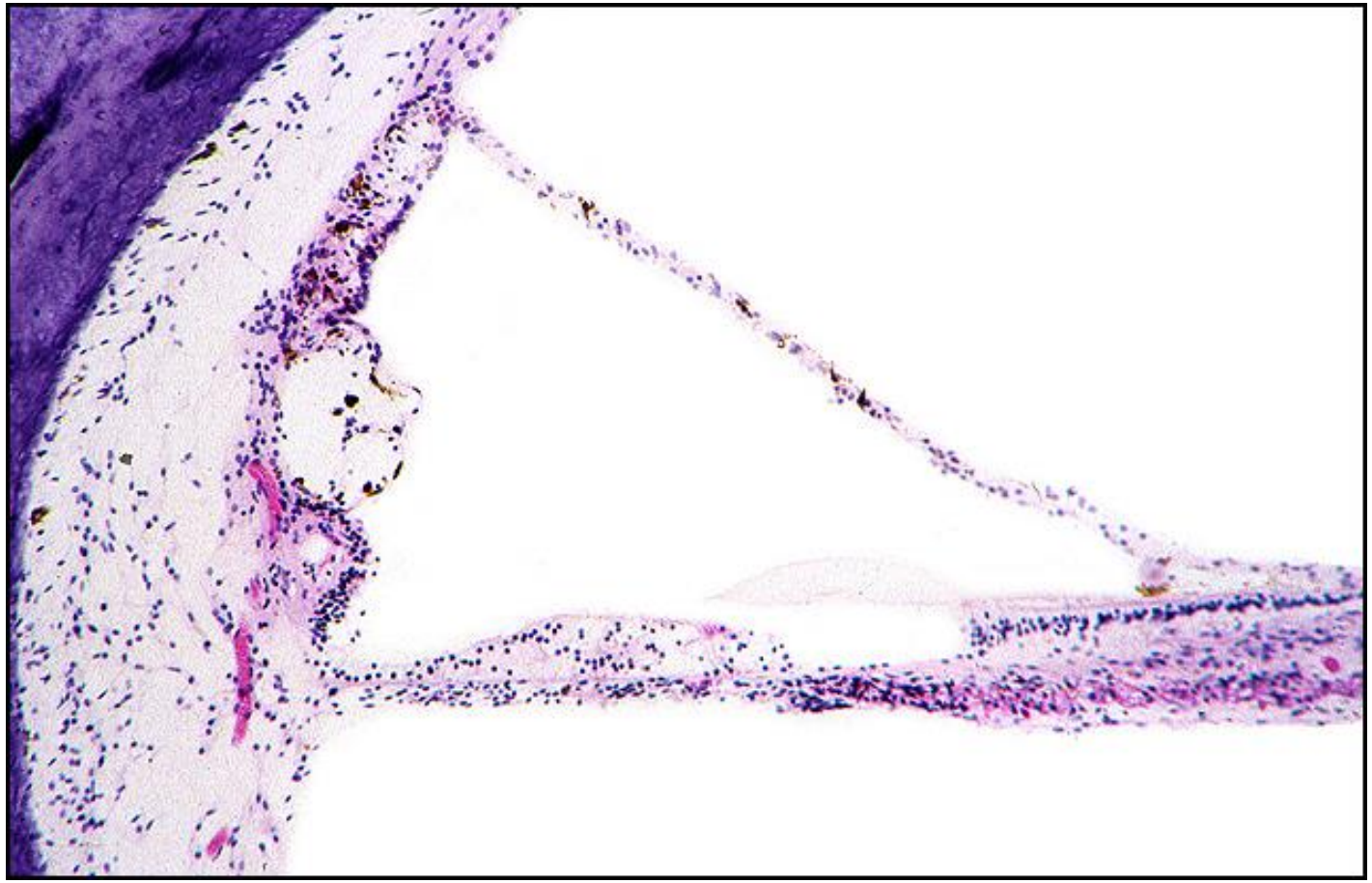
TB Case Number: 655

Gender: Female

Age (yrs.): 65

Otologic Diagnosis:

1. Lasix ototoxicity manifested by:
    a) Edema of the intermediate cell layer of the stria vascularis, all turns of the cochlea
    b) Cystic degeneration, stria vascularis, marginal, adjacent to the spiral prominence, all turns of the cochlea
2. Normal sensory and neural elements



Quinine Ototoxicity, L-241

Title: Quinine Ototoxicity, L-241

Chapter: Intoxication

Chapter Section: Salicylates Quinine

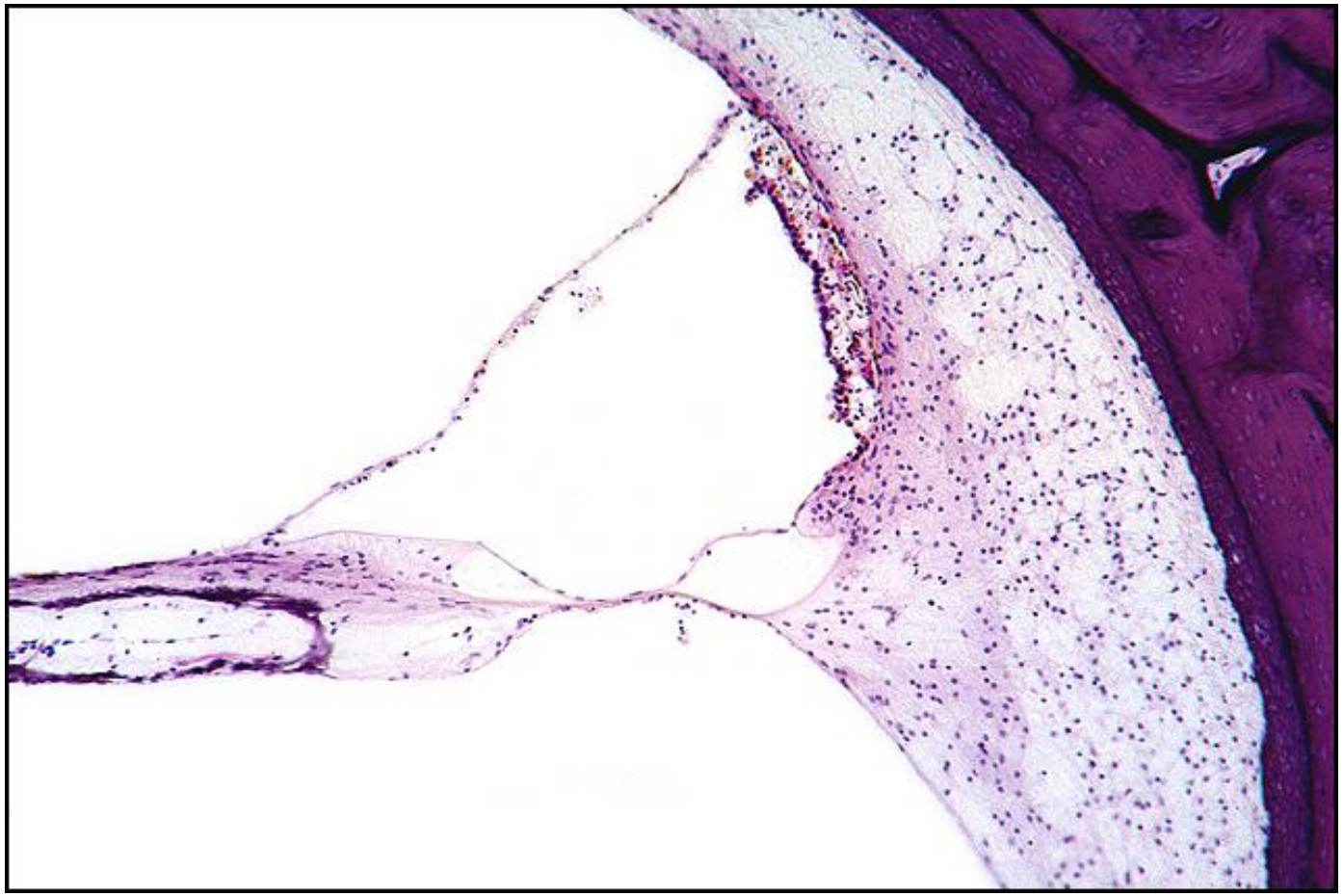
TB Case Number: 944

Gender: Female

Age (yrs.): 77

Otologic Diagnosis:

1. Sensorineural hearing loss, acquired, bilateral, possibly secondary to quinine ototoxicity
2. Loss of organ of Corti, basal and middle turns, bilateral
3. Loss of cochlear neurons, basal turn, severe, bilateral
4. Atrophy of stria vascularis, patchy



Quinine Ototoxicity, L-241

Title: Quinine Ototoxicity, L-241

Chapter: Intoxication

Chapter Section: Salicylates Quinine

TB Case Number: 944

Comments: Multiple tectorial membranes in middle turn

Gender: Female

Age (yrs.): 77

Otologic Diagnosis:

1. Sensorineural hearing loss, acquired, bilateral, possibly secondary to quinine ototoxicity
2. Loss of organ of Corti, basal and middle turns, bilateral
3. Loss of cochlear neurons, basal turn, severe, bilateral
4. Atrophy of stria vascularis, patchy

Quinine Ototoxicity, L-241

Title: Quinine Ototoxicity, L-241

Chapter: Intoxication

Chapter Section: Salicylates Quinine

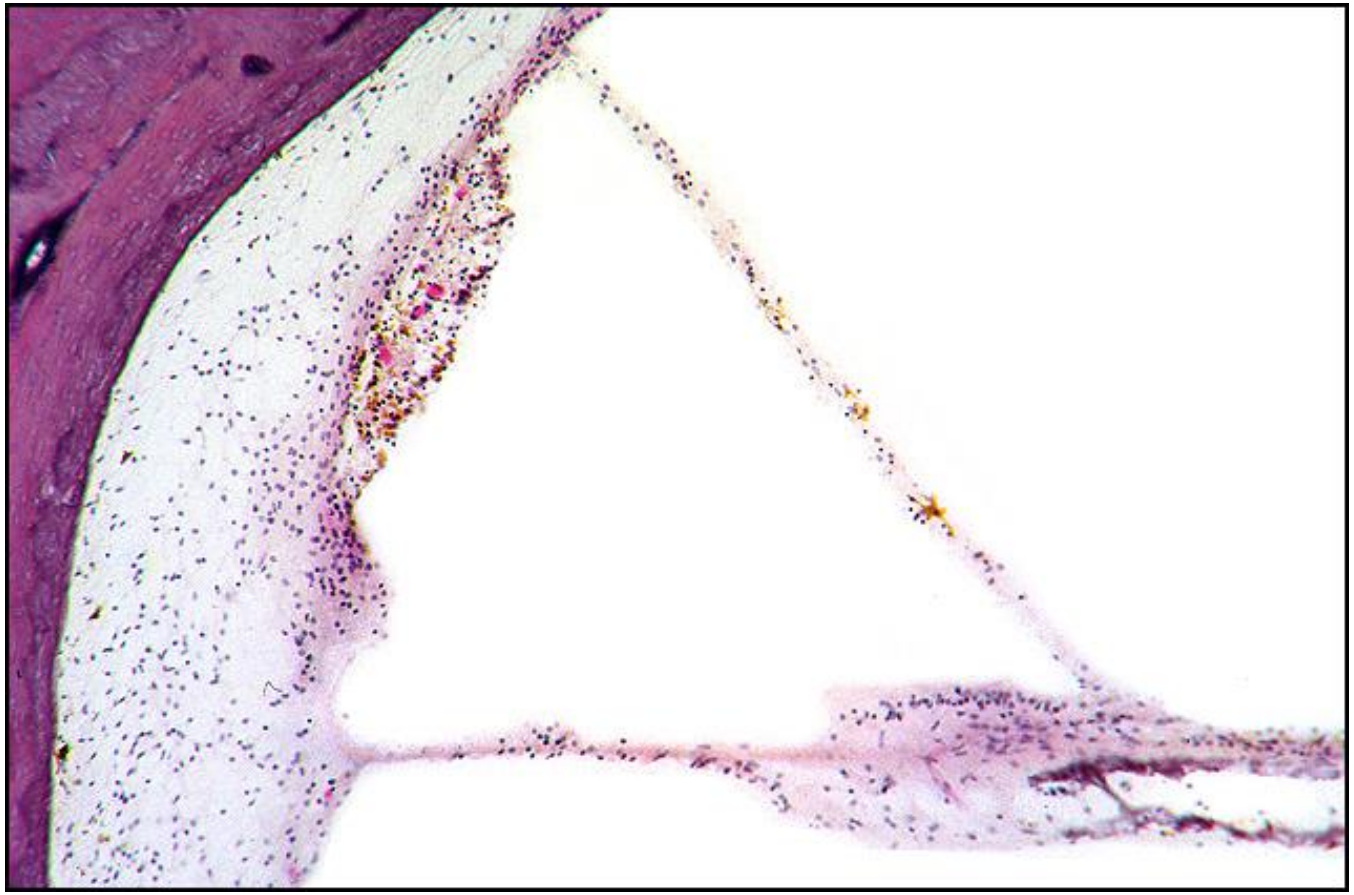
TB Case Number: 944

Gender: Female

Age (yrs.): 77

Otologic Diagnosis:

1. Sensorineural hearing loss, acquired, bilateral, possibly secondary to quinine ototoxicity
2. Loss of organ of Corti, basal and middle turns, bilateral
3. Loss of cochlear neurons, basal turn, severe, bilateral
4. Atrophy of stria vascularis, patchy

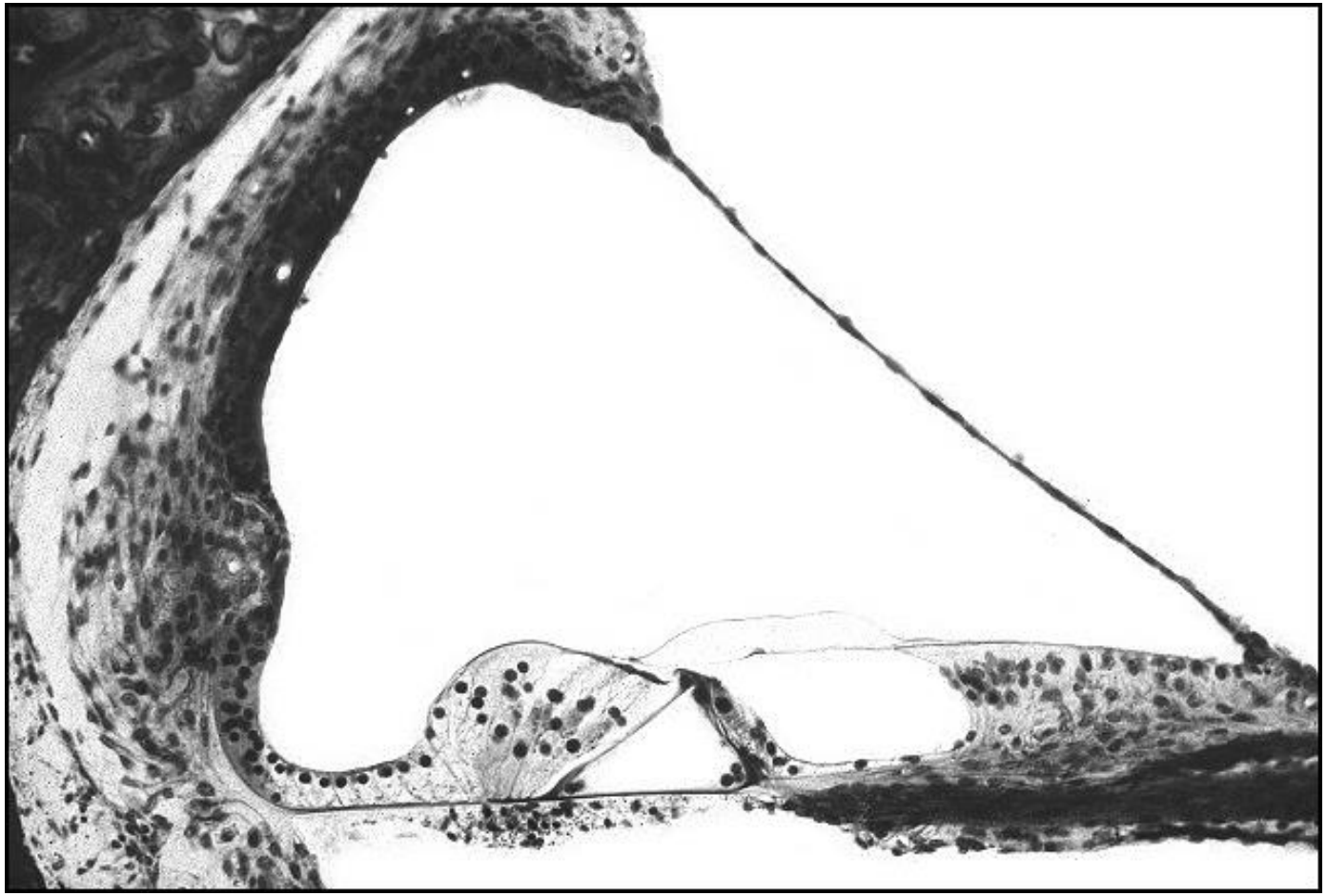


Cat Salicylate Toxicity

Title: Cat Salicylate Toxicity

Chapter: Intoxication

Chapter Section: Salicylates Quinine



Nitrogen Mustard Ototoxicity

Title: Nitrogen Mustard Ototoxicity

Chapter: Intoxication

Chapter Section: Nitrogen Mustard

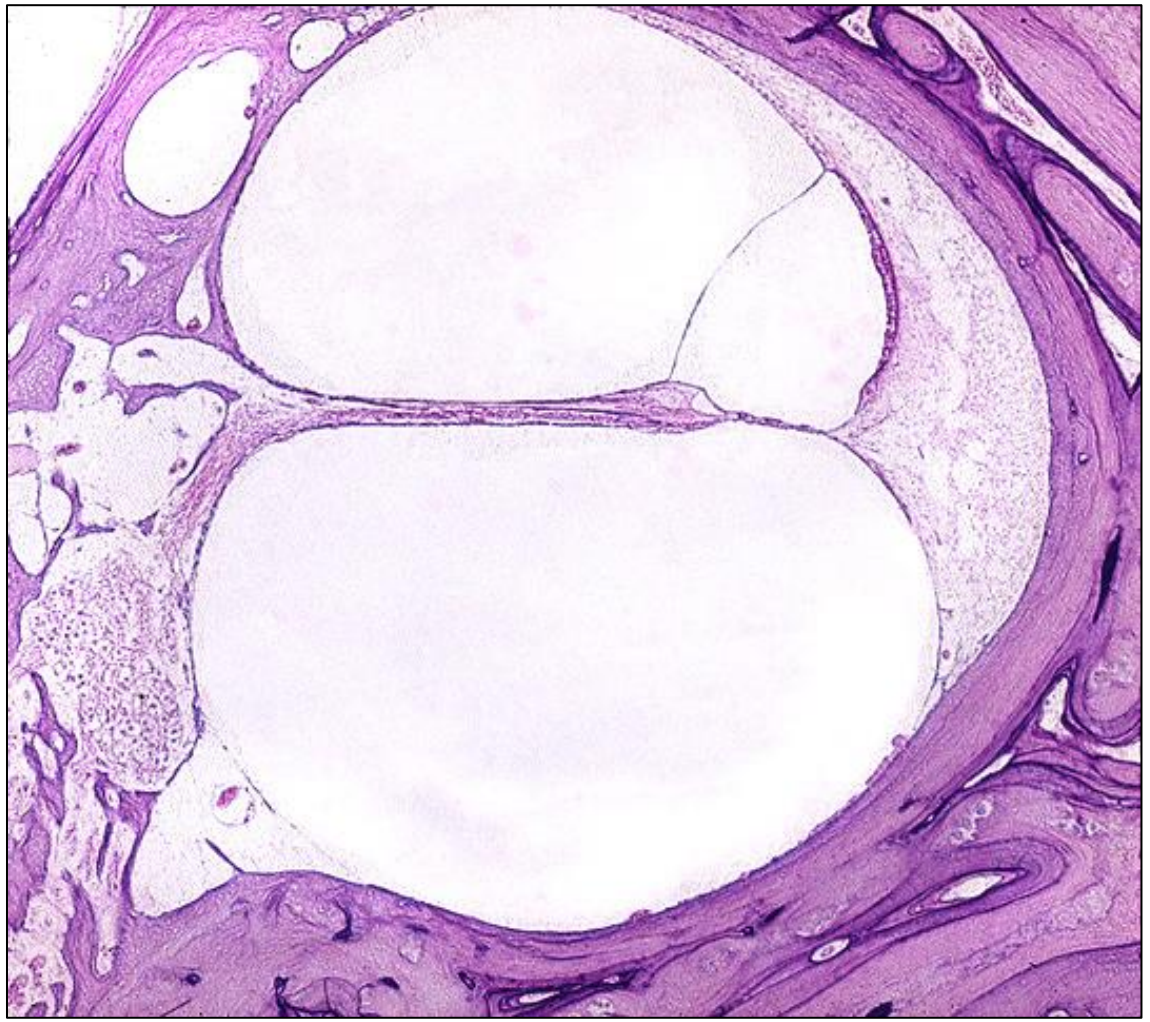
TB Case Number: 753

Gender: Female

Age (yrs.): 30

Otologic Diagnosis:

1. Sensorineural hearing loss caused by ototoxicity of nitrogen mustard
2. Postmortem autolytic changes too severe to permit identification of pathology of ototoxicity



Nitrogen Mustard Ototoxicity, L-125

Title: Nitrogen Mustard Ototoxicity, L-125

Chapter: Intoxication

Chapter Section: Nitrogen Mustard

TB Case Number: 753

Gender: Female

Age (yrs.): 30

Otologic Diagnosis:

1. Sensorineural hearing loss caused by ototoxicity of nitrogen mustard
2. Postmortem autolytic changes too severe to permit identification of pathology of ototoxicity

Hemodialysis, L-301

Title: Hemodialysis, L-301

Chapter: Intoxication

Chapter Section: Hemodialysis

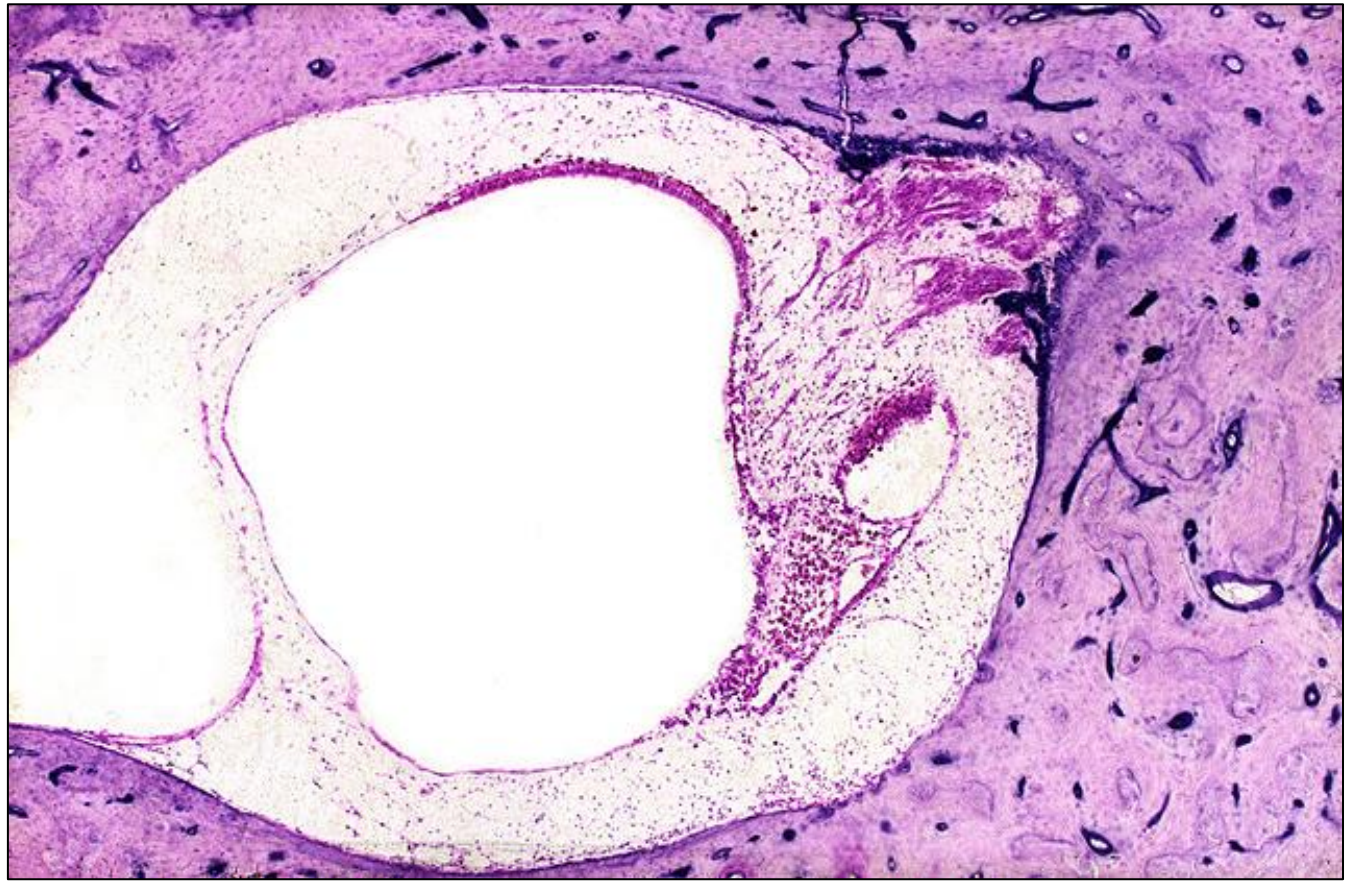
TB Case Number: 503

Gender: Male

Age (yrs.): 48

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Hemodialysis and/or Drug, L-211

Title: Hemodialysis and/or Drug, L-211

Chapter: Intoxication

Chapter Section: Hemodialysis

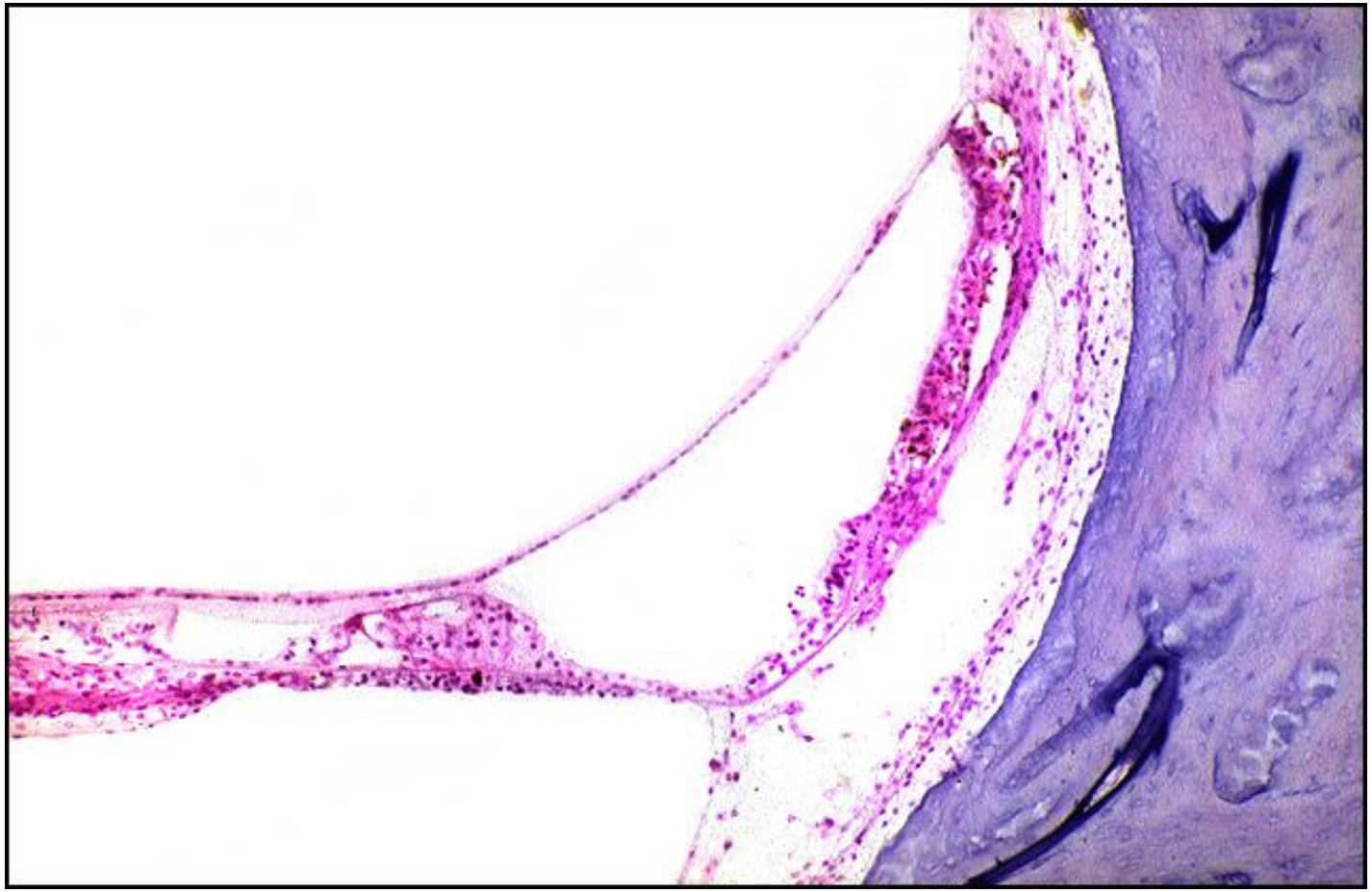
TB Case Number: 336

Gender: Male

Age (yrs.): 62

Otologic Diagnosis:

1. Edema of the stria vascularis involving partially the intermediate and basal cell layers
2. Neural presbycusis, basal turn



Hemodialysis, L-271

Title: Hemodialysis, L-271

Chapter: Intoxication

Chapter Section: Hemodialysis

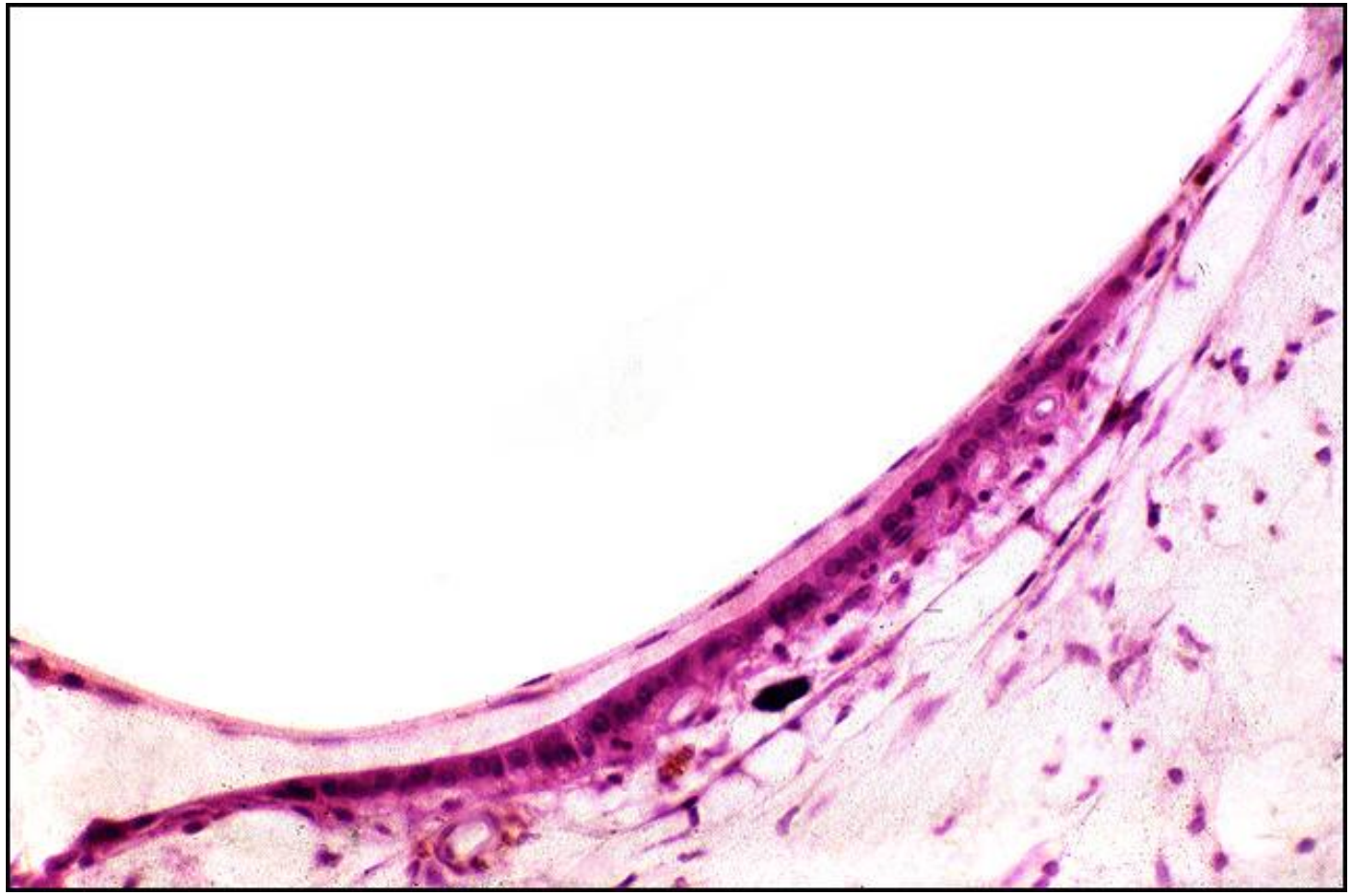
TB Case Number: 503

Gender: Male

Age (yrs.): 48

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Hemodialysis, R-301

Title: Hemodialysis, R-301

Chapter: Intoxication

Chapter Section: Hemodialysis

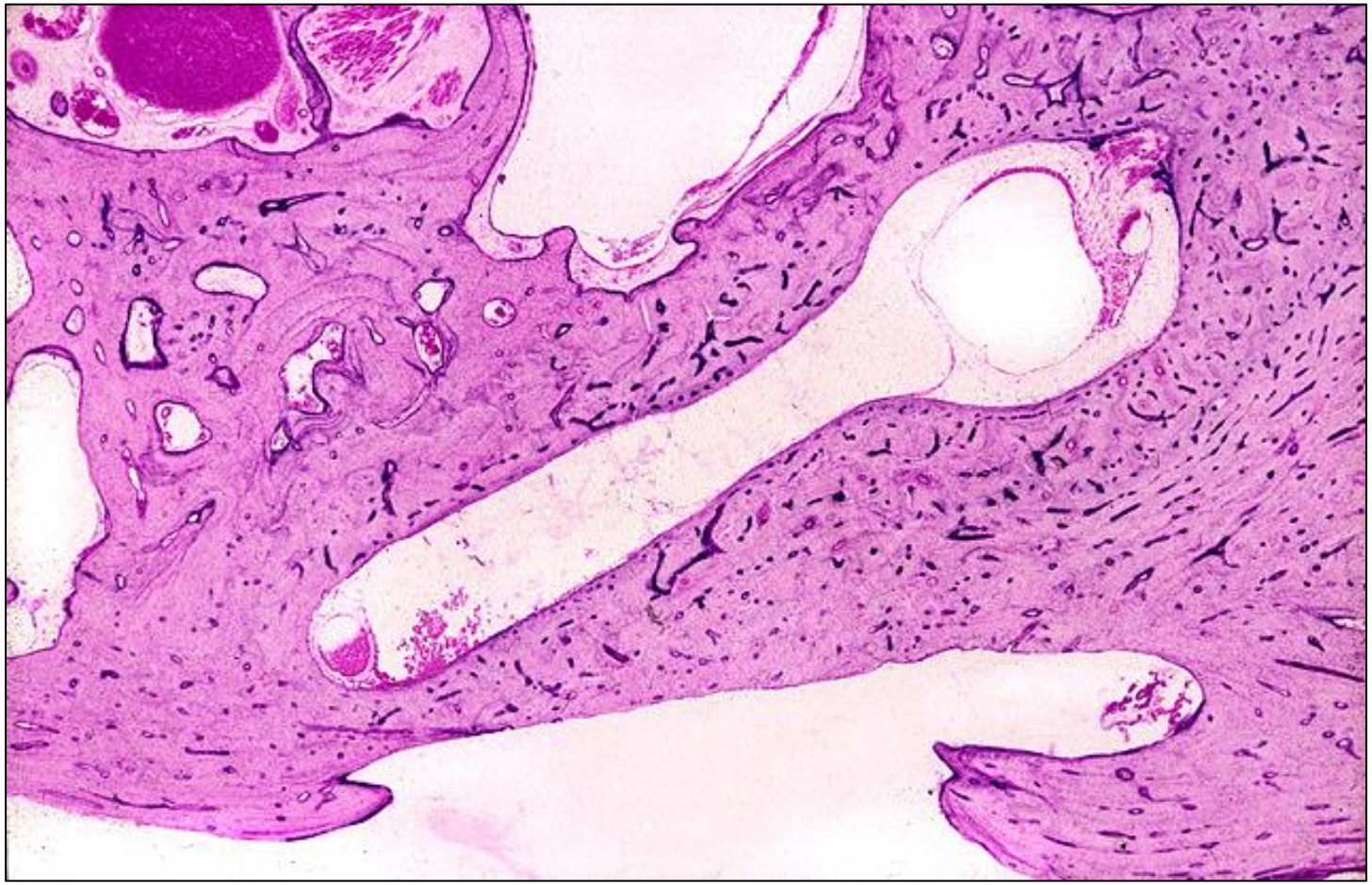
TB Case Number: 503

Gender: Male

Age (yrs.): 48

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Hemodialysis, L-271

Title: Hemodialysis, L-271

Chapter: Intoxication

Chapter Section: Hemodialysis

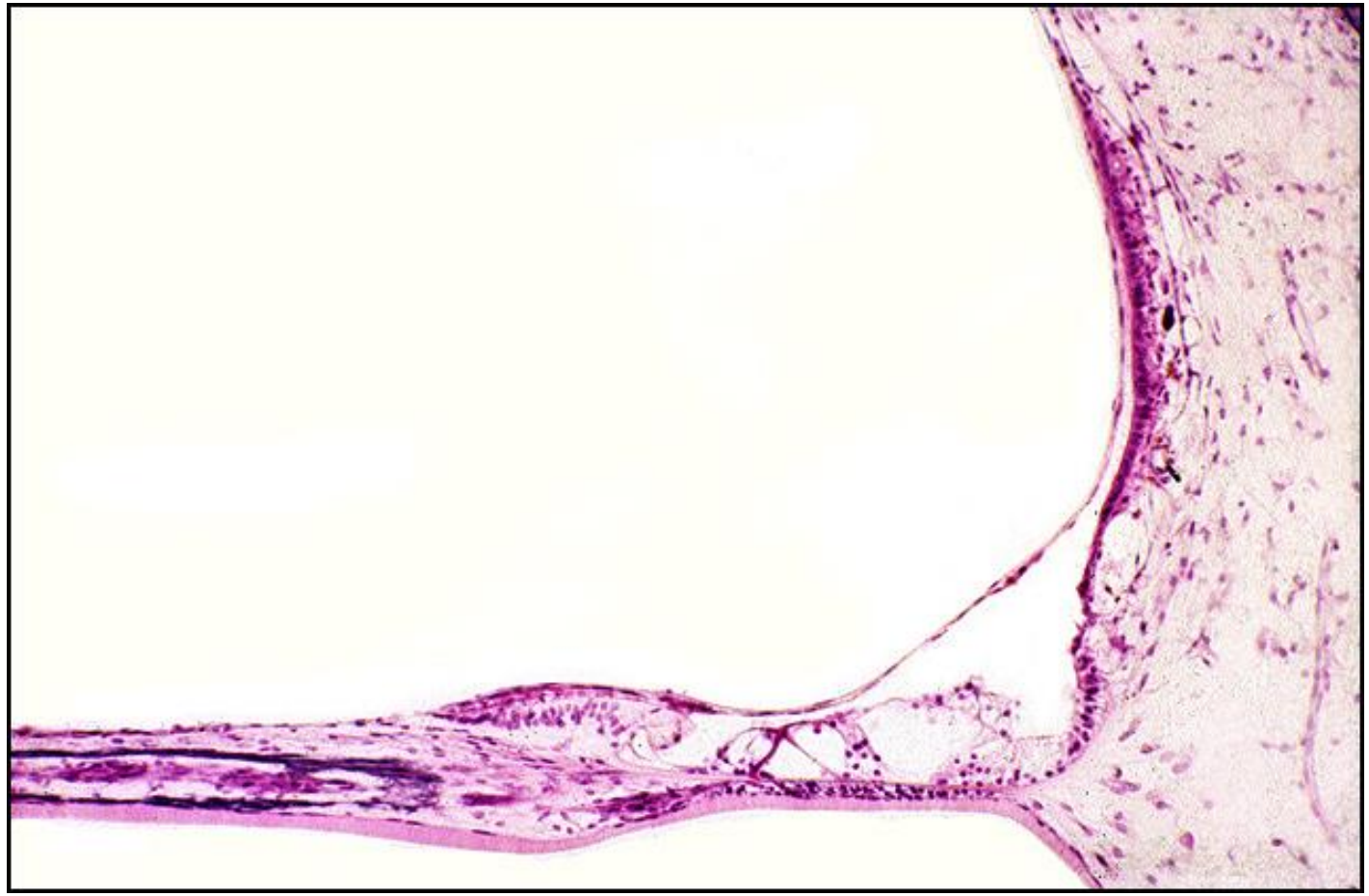
TB Case Number: 503

Gender: Male

Age (yrs.): 48

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Hemodialysis, L-271

Title: Hemodialysis, L-271

Chapter: Intoxication

Chapter Section: Hemodialysis

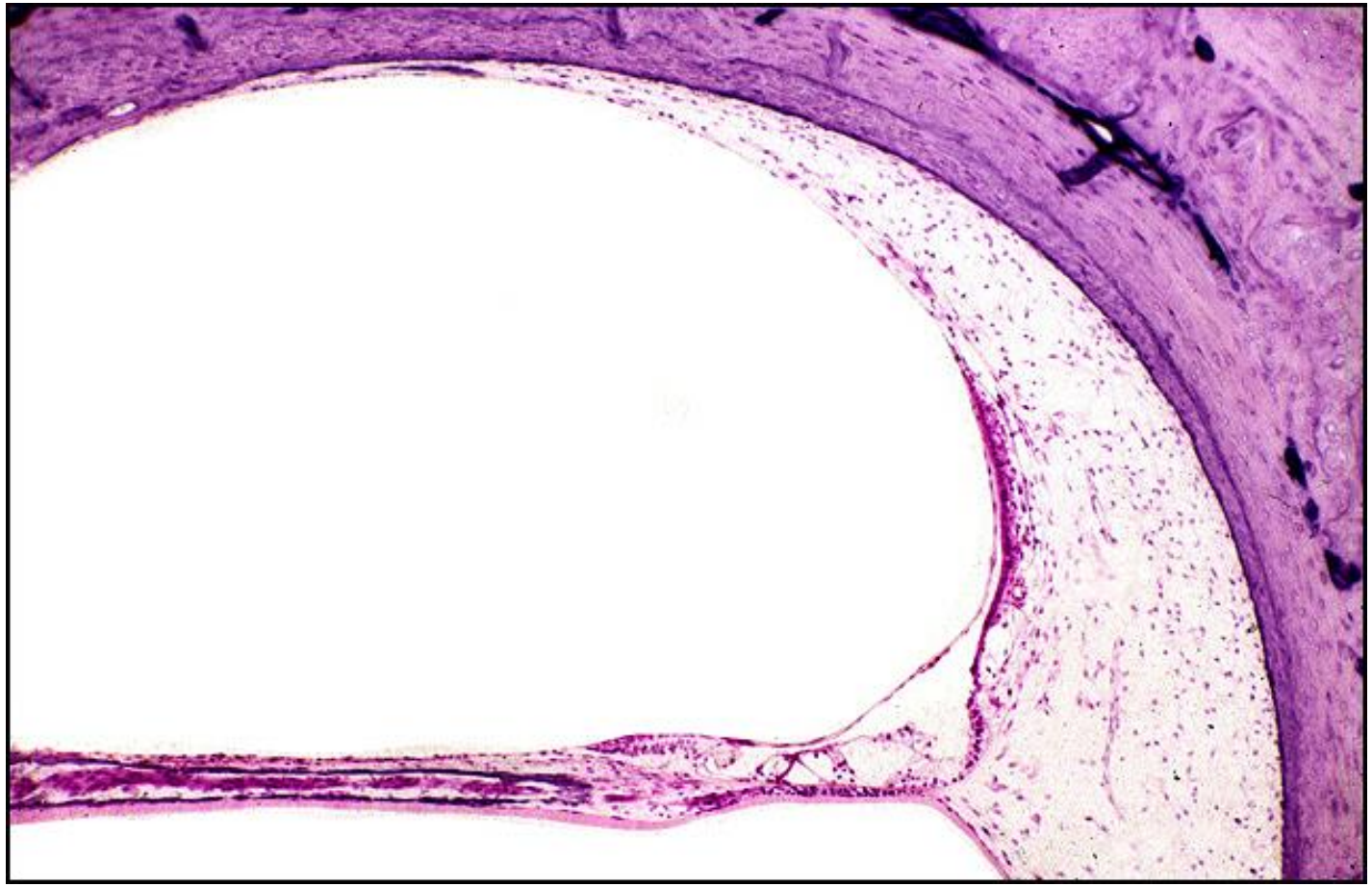
TB Case Number: 503

Gender: Male

Age (yrs.): 48

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Hemodialysis, R-205

Title: Hemodialysis, R-205

Chapter: Intoxication

Chapter Section: Hemodialysis

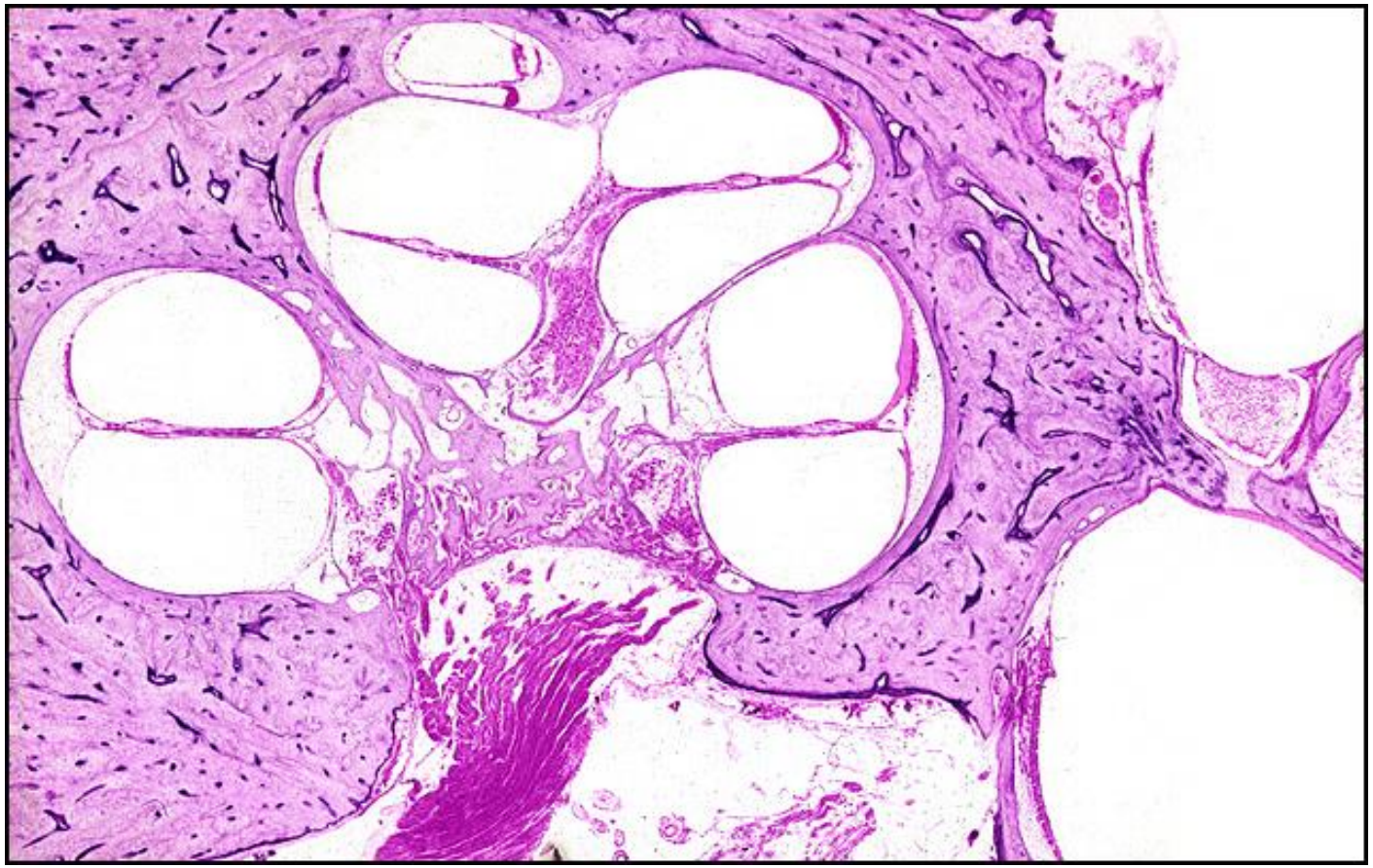
TB Case Number: 503

Gender: Male

Age (yrs.): 48

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Hemodialysis, R-205

Title: Hemodialysis, R-205

Chapter: Intoxication

Chapter Section: Hemodialysis

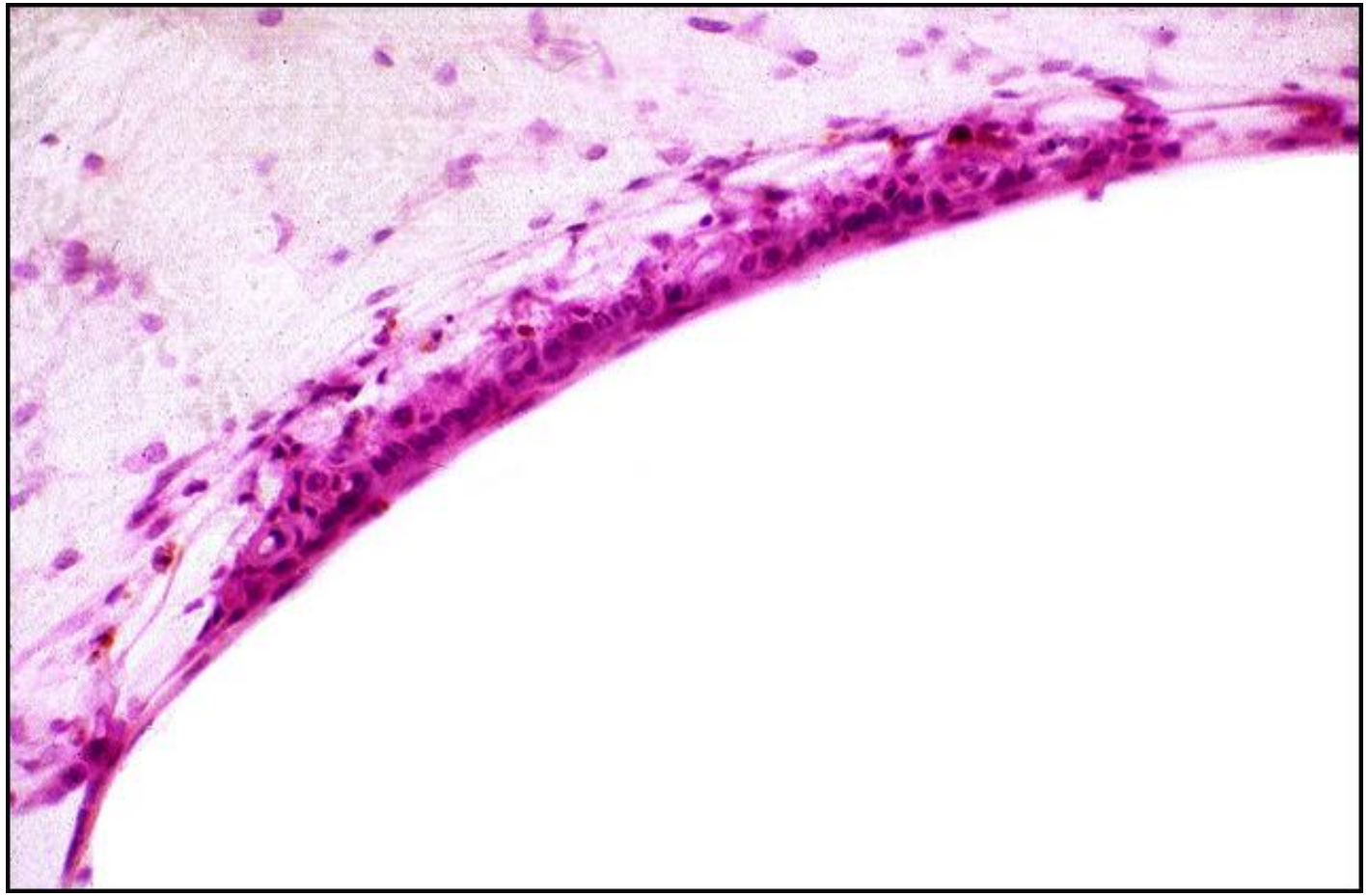
TB Case Number: 503

Gender: Male

Age (yrs.): 48

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Hemodialysis, L-91

Title: Hemodialysis, L-91

Chapter: Intoxication

Chapter Section: Hemodialysis

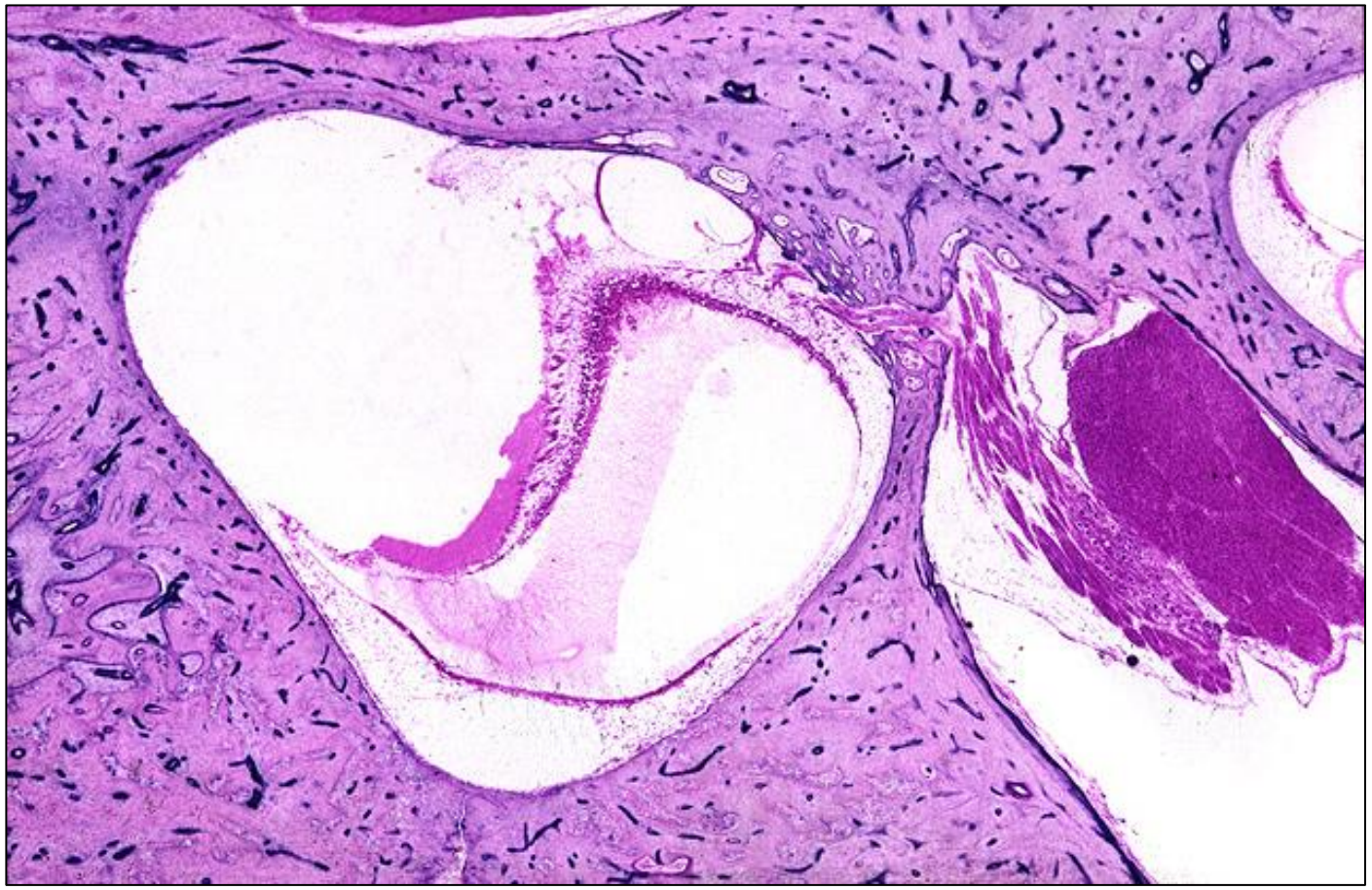
TB Case Number: 503

Gender: Male

Age (yrs.): 48

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Hemodialysis, R-81

Title: Hemodialysis, R-81

Chapter: Intoxication

Chapter Section: Hemodialysis

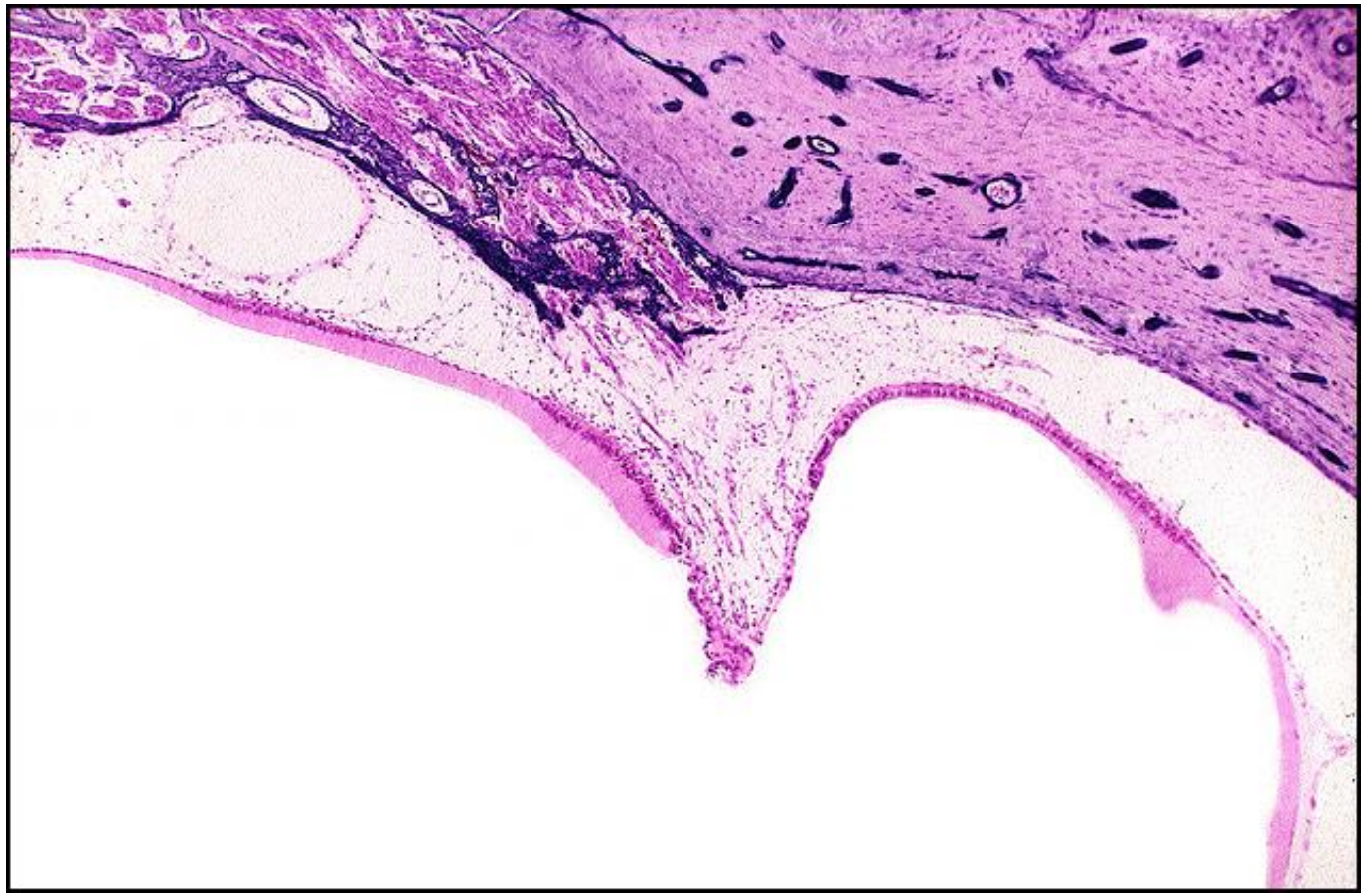
TB Case Number: 503

Gender: Male

Age (yrs.): 48

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Hemodialysis, L-271

Title: Hemodialysis, L-271

Chapter: Intoxication

Chapter Section: Hemodialysis

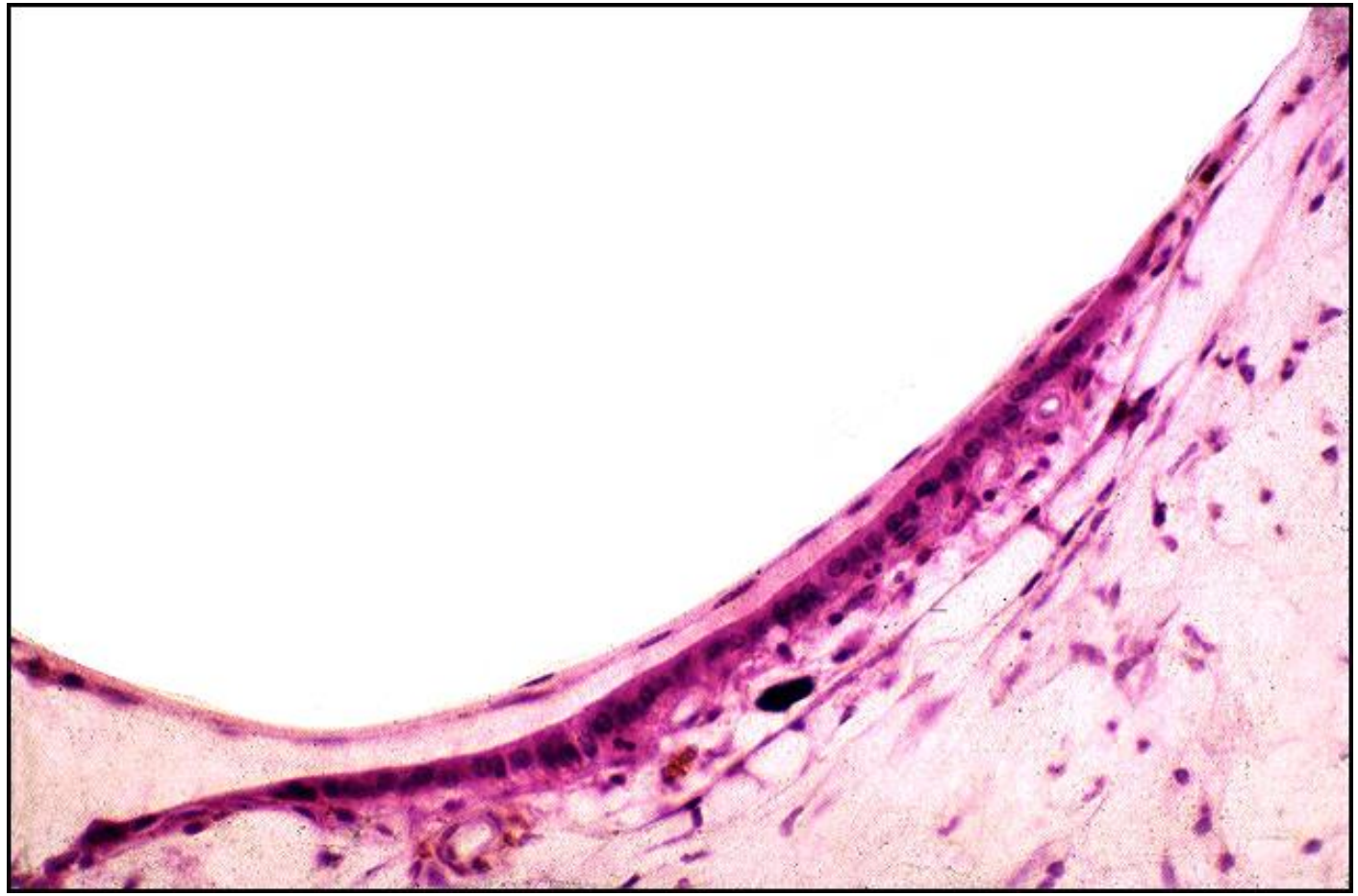
TB Case Number: 503

Gender: Male

Age (yrs.): 48

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Practolol Ototoxicity, L-196

Title: Practolol Ototoxicity, L-196

Chapter: Intoxication

Chapter Section: Practolol

TB Case Number: 836

Gender: Female

Age (yrs.): 79

Otologic Diagnosis:

1. Cochlear sensory and neuronal populations consistent with normal hearing, left
2. SNHL, no explanation, presumably due to practolol toxicity, left
3. Otosclerosis, without stapes fixation, footplate, left
4. Anatomic variant, geniculate ganglion and motor division of facial nerve lie in subdural area in floor of middle cranial fossa

Kanamycin, R-101

Title: Kanamycin, R-101

Chapter: Intoxication

Chapter Section: Aminoglycoside Ototoxicity, Kanamycin Ototoxicity

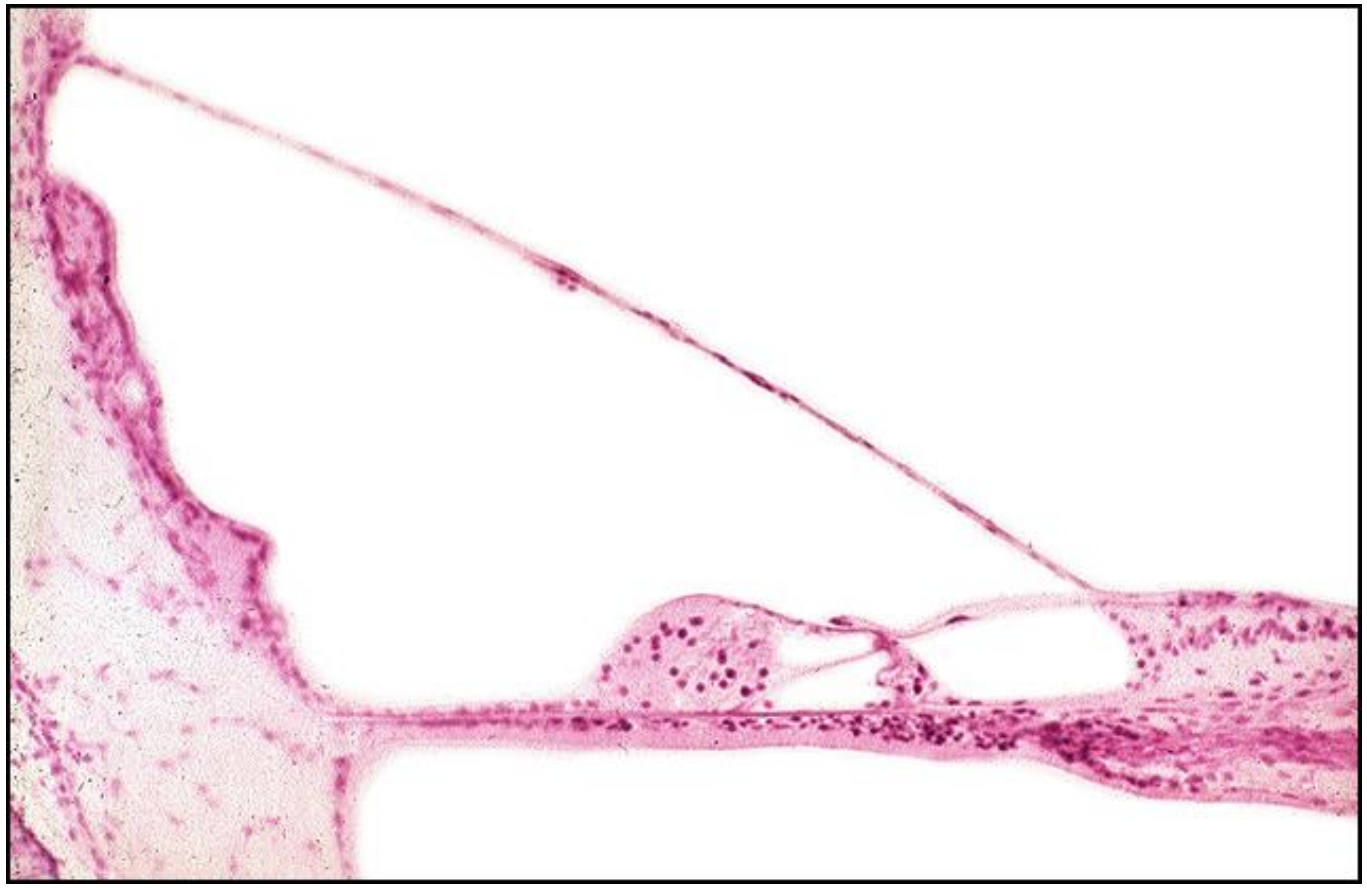
TB Case Number: 174

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Aminoglycoside ototoxicity, kanamycin, severe, bilateral
2. Organ of Corti, hair cell, loss, severe, kanamycin ototoxicity, severe
3. Neurons, cochlear, normal, bilateral
4. Stria vascularis, atrophy, moderate, bilateral
5. Tympanomastoiditis, acute, terminal, bilateral
6. Artifact, preparation, compression, moderate, left



Kanamycin, R-221

Title: Kanamycin, R-221

Chapter: Intoxication

Chapter Section: Aminoglycoside Ototoxicity, Kanamycin Ototoxicity

TB Case Number: 174

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Aminoglycoside ototoxicity, kanamycin, severe, bilateral
2. Organ of Corti, hair cell, loss, severe, kanamycin ototoxicity, severe
3. Neurons, cochlear, normal, bilateral
4. Stria vascularis, atrophy, moderate, bilateral
5. Tympanomastoiditis, acute, terminal, bilateral
6. Artifact, preparation, compression, moderate, left

Kanamycin, R-221

Title: Kanamycin, R-221

Chapter: Intoxication

Chapter Section: Aminoglycoside Ototoxicity, Kanamycin Ototoxicity

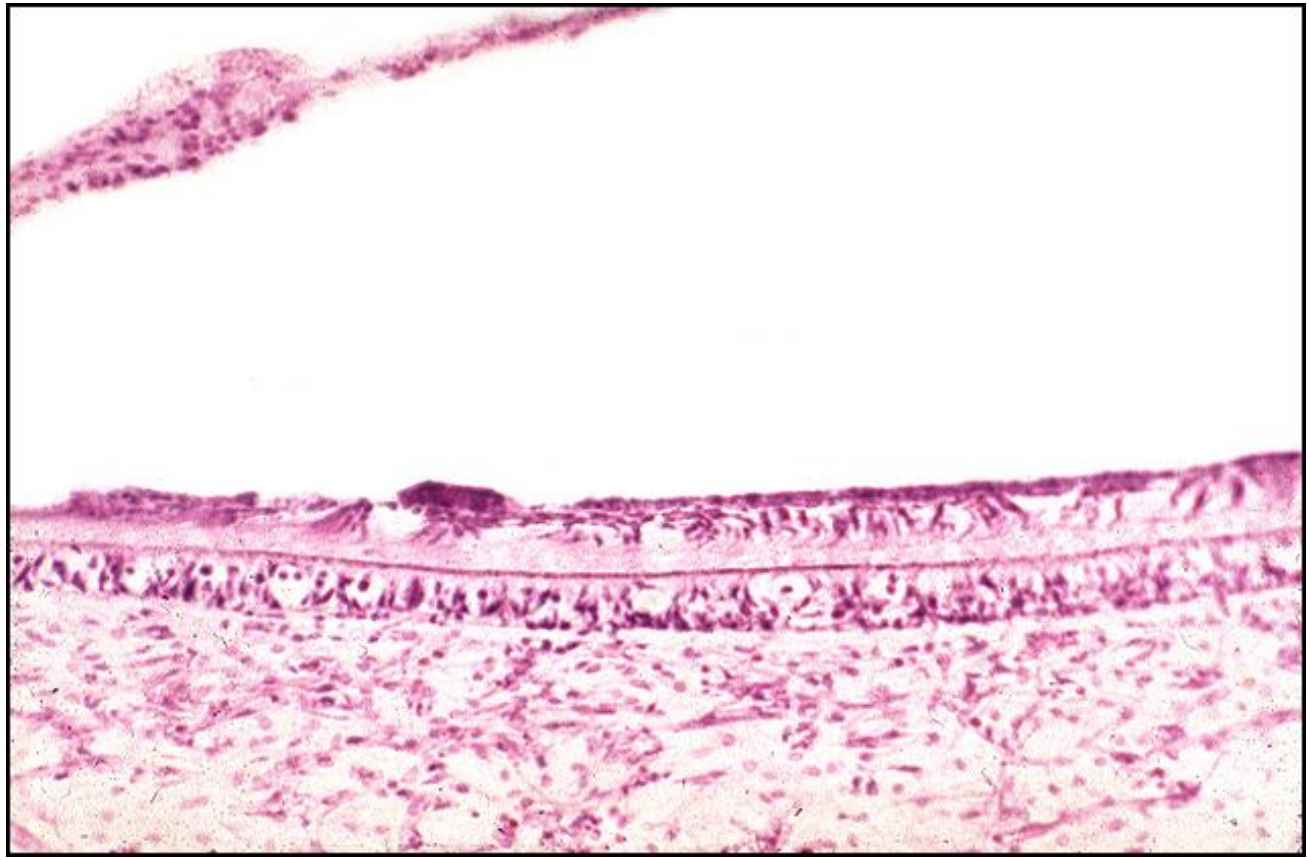
TB Case Number: 174

Gender: Female

Age (yrs.): 50

Otologic Diagnosis:

1. Aminoglycoside ototoxicity, kanamycin, severe, bilateral
2. Organ of Corti, hair cell, loss, severe, kanamycin ototoxicity, severe
3. Neurons, cochlear, normal, bilateral
4. Stria vascularis, atrophy, moderate, bilateral
5. Tympanomastoiditis, acute, terminal, bilateral
6. Artifact, preparation, compression, moderate, left



Gentamycin, L-480

Title: Gentamycin, L-480

Chapter: Intoxication

Chapter Section: Aminoglycoside Ototoxicity, Kanamycin Ototoxicity

TB Case Number: 571

Gender: Female

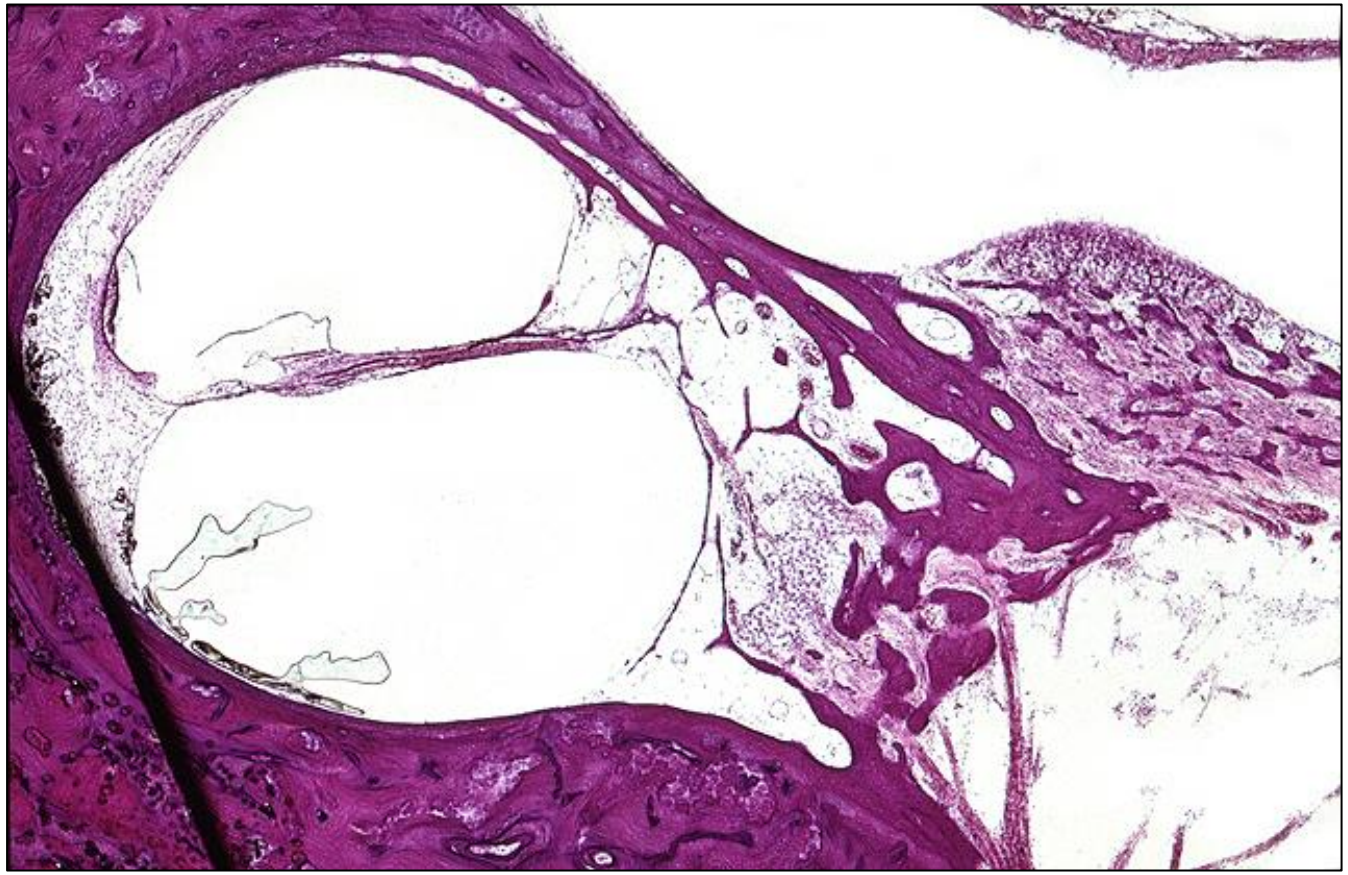
Age (yrs.): 48

Otologic Diagnosis:

Gentamicin ototoxicity, characterized by:

a) Severe loss of cochlear hair cells

b) Severe loss of hair cells of the cristae (maculae normal



Neomycin, R-200

Title: Neomycin, R-200

Chapter: Intoxication

Chapter Section: Aminoglycoside Ototoxicity, Neomycin

TB Case Number: 751

Gender: Female

Age (yrs.): 54

Otologic Diagnosis:

1. Neomycin ototoxicity, cochlear
2. Hemorrhage, subarachnoid, extension of blood into the cochleae

Cisplatin, R-200

Title: Cisplatin, R-200

Chapter: Intoxication

Chapter Section: Other Drug Ototoxicities

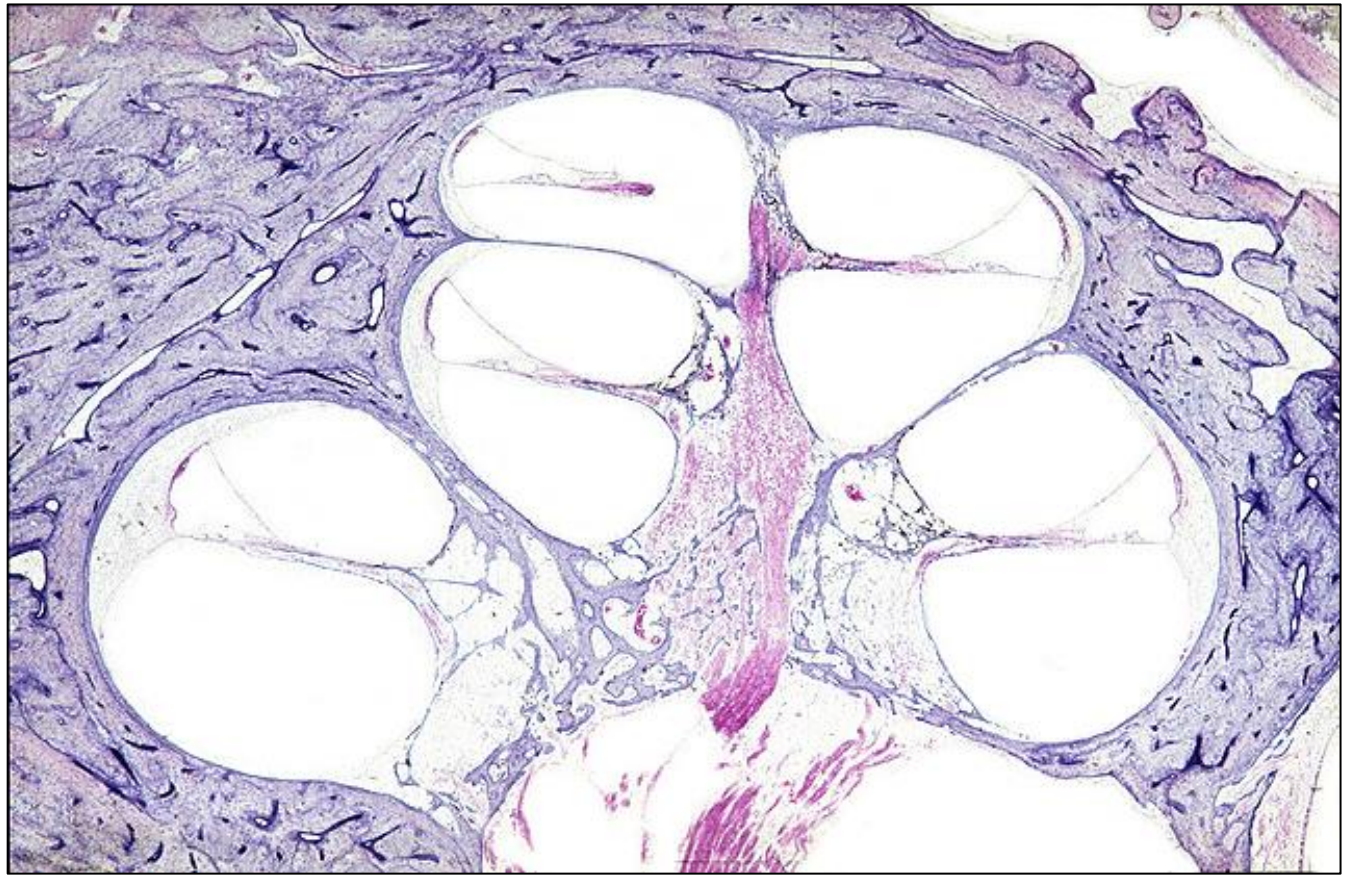
TB Case Number: 152

Gender: Male

Age (yrs.): 14

Otologic Diagnosis:

1. Cisplatin ototoxicity, cochlea, right
2. Organ of Corti, loss of hair cells, cisplatin ototoxicity, right
3. Neurons, cochlear, atrophy, basal turn, right
4. Tympanomastoiditis, serous, in vacuo, agonal, right
5. Artifact, removal, amputation, external canal, tympanic membrane, ossicles, semicircular canals, right
6. Irradiation injury, resorptive osteitis, epitympanic trabeculae and bony labyrinth, mild, right



Cisplatin, R-221

Title: Cisplatin, R-221

Chapter: Intoxication

Chapter Section: Other Drug Ototoxicities

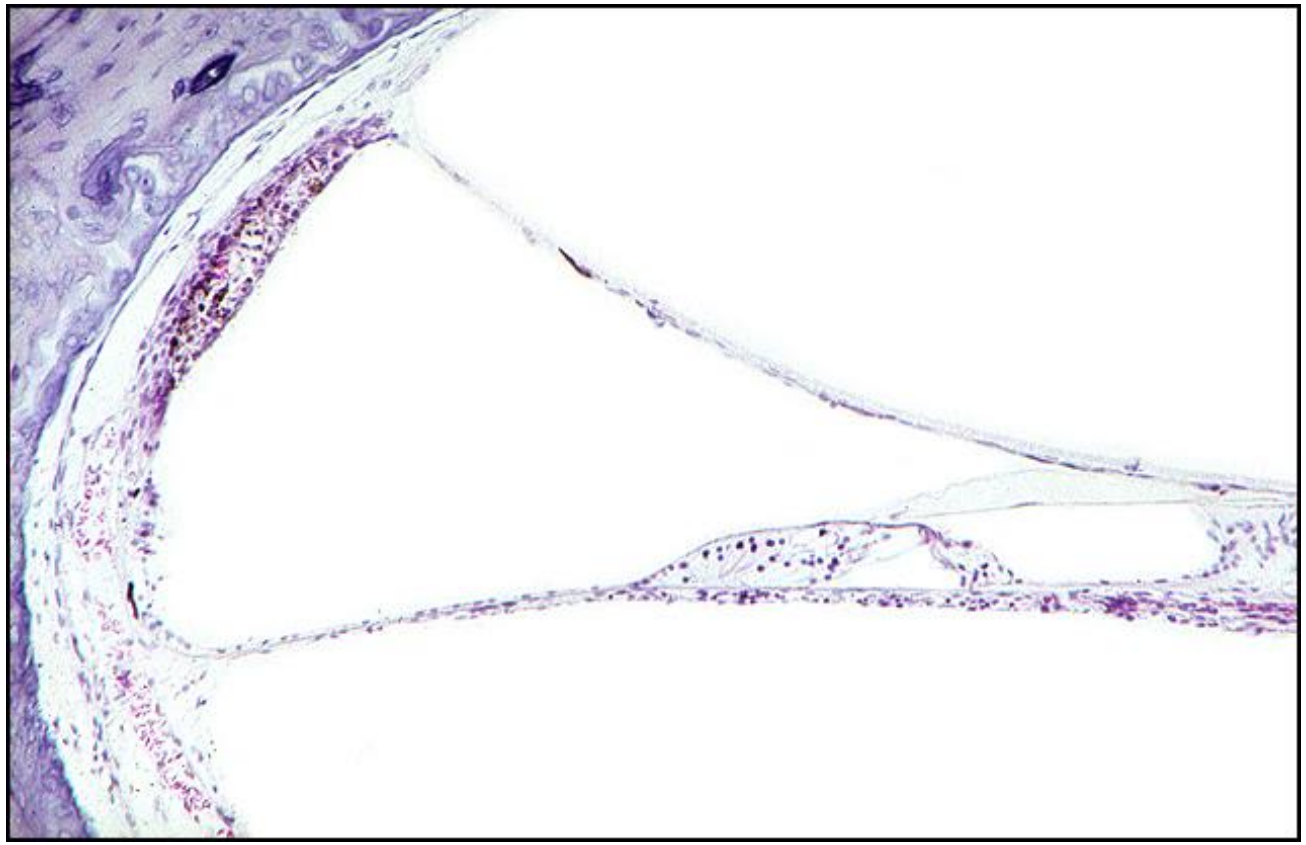
TB Case Number: 152

Gender: Male

Age (yrs.): 14

Otologic Diagnosis:

1. Cisplatin ototoxicity, cochlea, right
2. Organ of Corti, loss of hair cells, cisplatin ototoxicity, right
3. Neurons, cochlear, atrophy, basal turn, right
4. Tympanomastoiditis, serous, in vacuo, agonal, right
5. Artifact, removal, amputation, external canal, tympanic membrane, ossicles, semicircular canals, right
6. Irradiation injury, resorptive osteitis, epitympanic trabeculae and bony labyrinth, mild, right



Cisplatin, R-221

Title: Cisplatin, R-221

Chapter: Intoxication

Chapter Section: Other Drug Ototoxicities

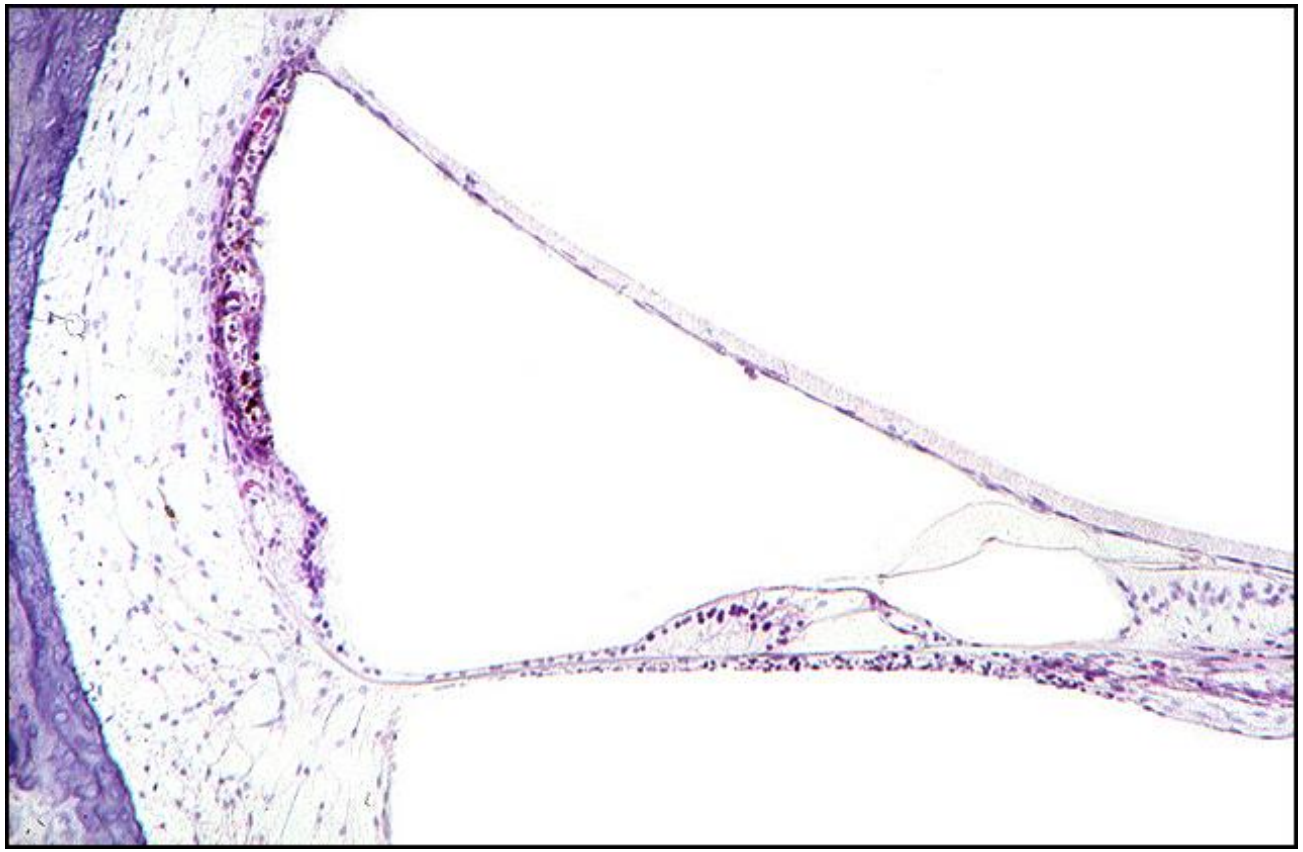
TB Case Number: 152

Gender: Male

Age (yrs.): 14

Otologic Diagnosis:

1. Cisplatin ototoxicity, cochlea, right
2. Organ of Corti, loss of hair cells, cisplatin ototoxicity, right
3. Neurons, cochlear, atrophy, basal turn, right
4. Tympanomastoiditis, serous, in vacuo, agonal, right
5. Artifact, removal, amputation, external canal, tympanic membrane, ossicles, semicircular canals, right
6. Irradiation injury, resorptive osteitis, epitympanic trabeculae and bony labyrinth, mild, right



Cisplatin, R-221

Title: Cisplatin, R-221

Chapter: Intoxication

Chapter Section: Other Drug Ototoxicities

TB Case Number: 152

Gender: Male

Age (yrs.): 14

Otologic Diagnosis:

1. Cisplatin ototoxicity, cochlea, right
2. Organ of Corti, loss of hair cells, cisplatin ototoxicity, right
3. Neurons, cochlear, atrophy, basal turn, right
4. Tympanomastoiditis, serous, in vacuo, agonal, right
5. Artifact, removal, amputation, external canal, tympanic membrane, ossicles, semicircular canals, right
6. Irradiation injury, resorptive osteitis, epitympanic trabeculae and bony labyrinth, mild, right

Cisplatin, R-221

Title: Cisplatin, R-221

Chapter: Intoxication

Chapter Section: Other Drug Ototoxicities

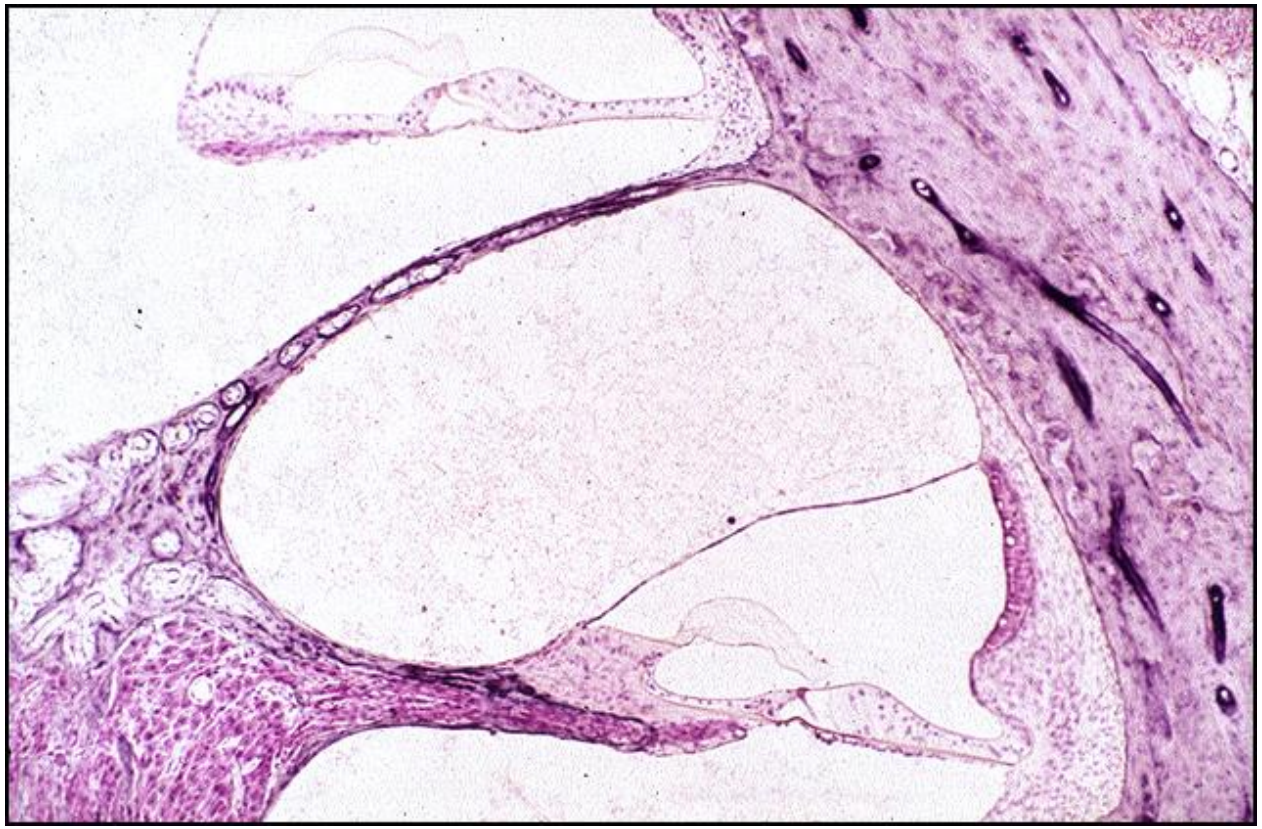
TB Case Number: 152

Gender: Male

Age (yrs.): 14

Otologic Diagnosis:

1. Cisplatin ototoxicity, cochlea, right
2. Organ of Corti, loss of hair cells, cisplatin ototoxicity, right
3. Neurons, cochlear, atrophy, basal turn, right
4. Tympanomastoiditis, serous, in vacuo, agonal, right
5. Artifact, removal, amputation, external canal, tympanic membrane, ossicles, semicircular canals, right
6. Irradiation injury, resorptive osteitis, epitympanic trabeculae and bony labyrinth, mild, right



Loop Diuretic, L-261

Title: Loop Diuretic, L-261

Chapter: Intoxication

Chapter Section: Loop Diuretic Ototoxicity

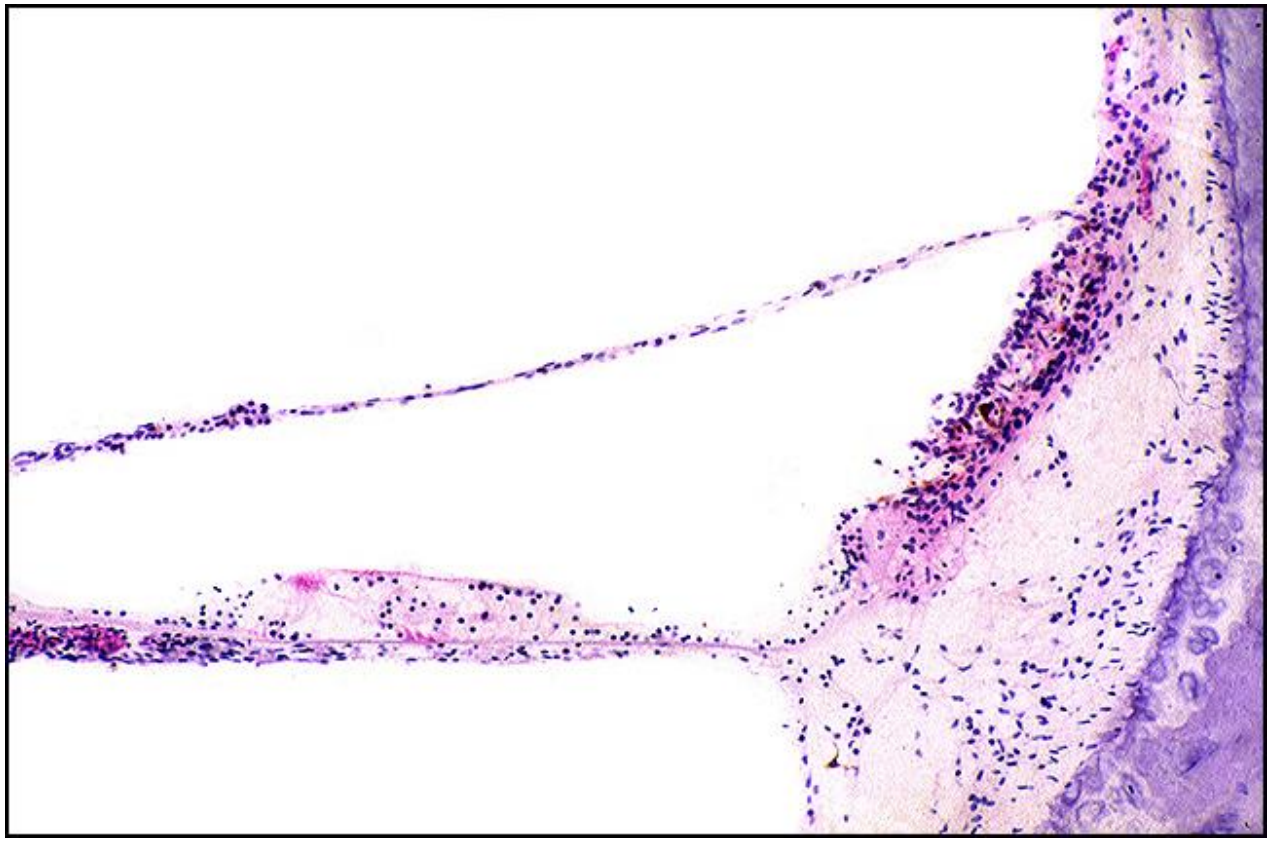
TB Case Number: 836

Gender: Female

Age (yrs.): 79

Otologic Diagnosis:

1. Cochlear sensory and neuronal populations consistent with normal hearing, left
2. SNHL, no explanation, presumably due to practolol toxicity, left
3. Otosclerosis, without stapes fixation, footplate, left
4. Anatomic variant, geniculate ganlgion and motor division of facial nerve lie in subdural area in floor of middle cranial fossa



Erythromycin, R-131

Title: Erythromycin, R-131

Chapter: Intoxication

Chapter Section: Erythromycin Ototoxicity

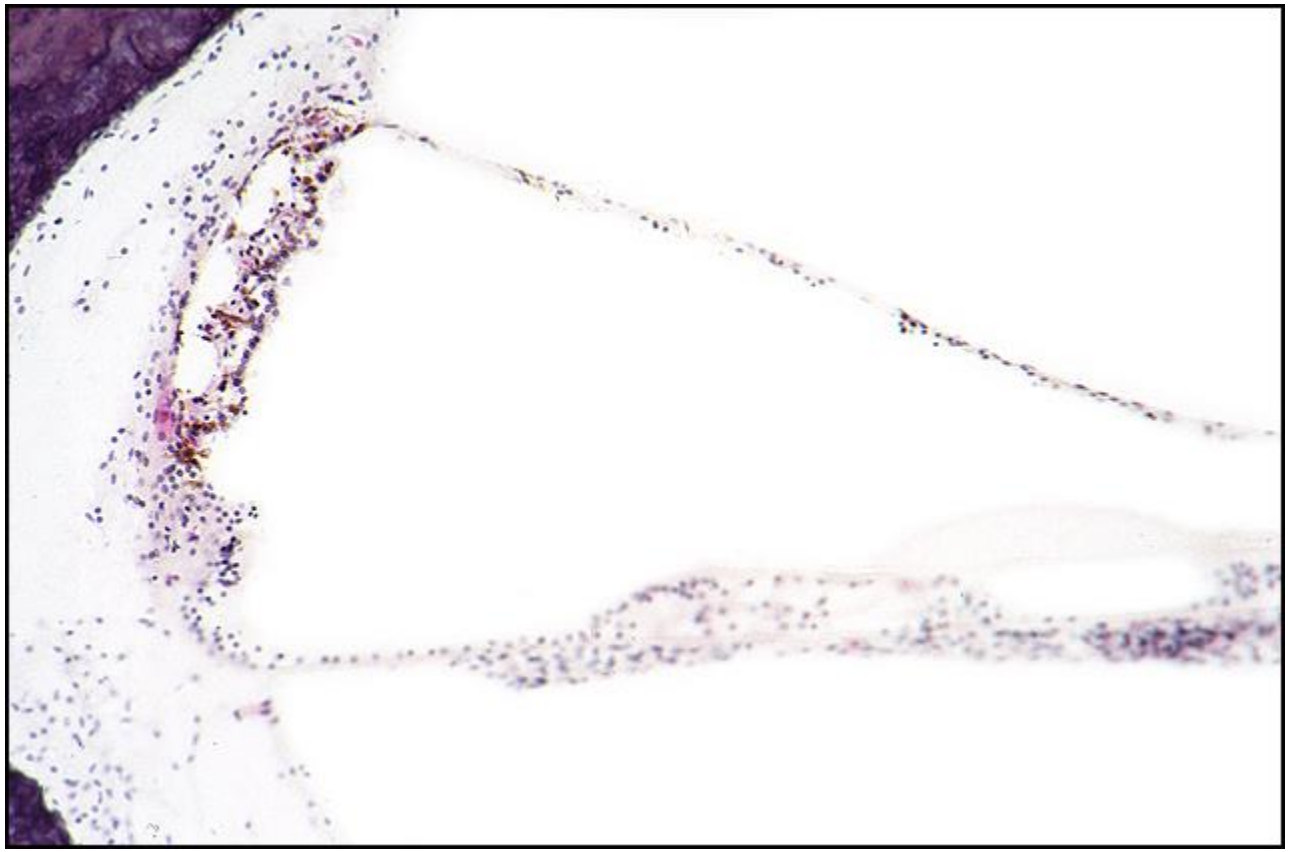
TB Case Number: 911

Gender: Female

Age (yrs.): 57

Otologic Diagnosis:

1. Sensorineural hearing loss, moderate, symmetric, bilateral, presumed secondary to erythromycin ototoxicity
2. Stria vascularis edema, pathologic, bilateral, presumed secondary to erythromycin ototoxicity



Hemodialysis Diuretic, R-205

Title: Hemodialysis Diuretic, R-205

Chapter: Intoxication

Chapter Section: Loop Diuretic Ototoxicity

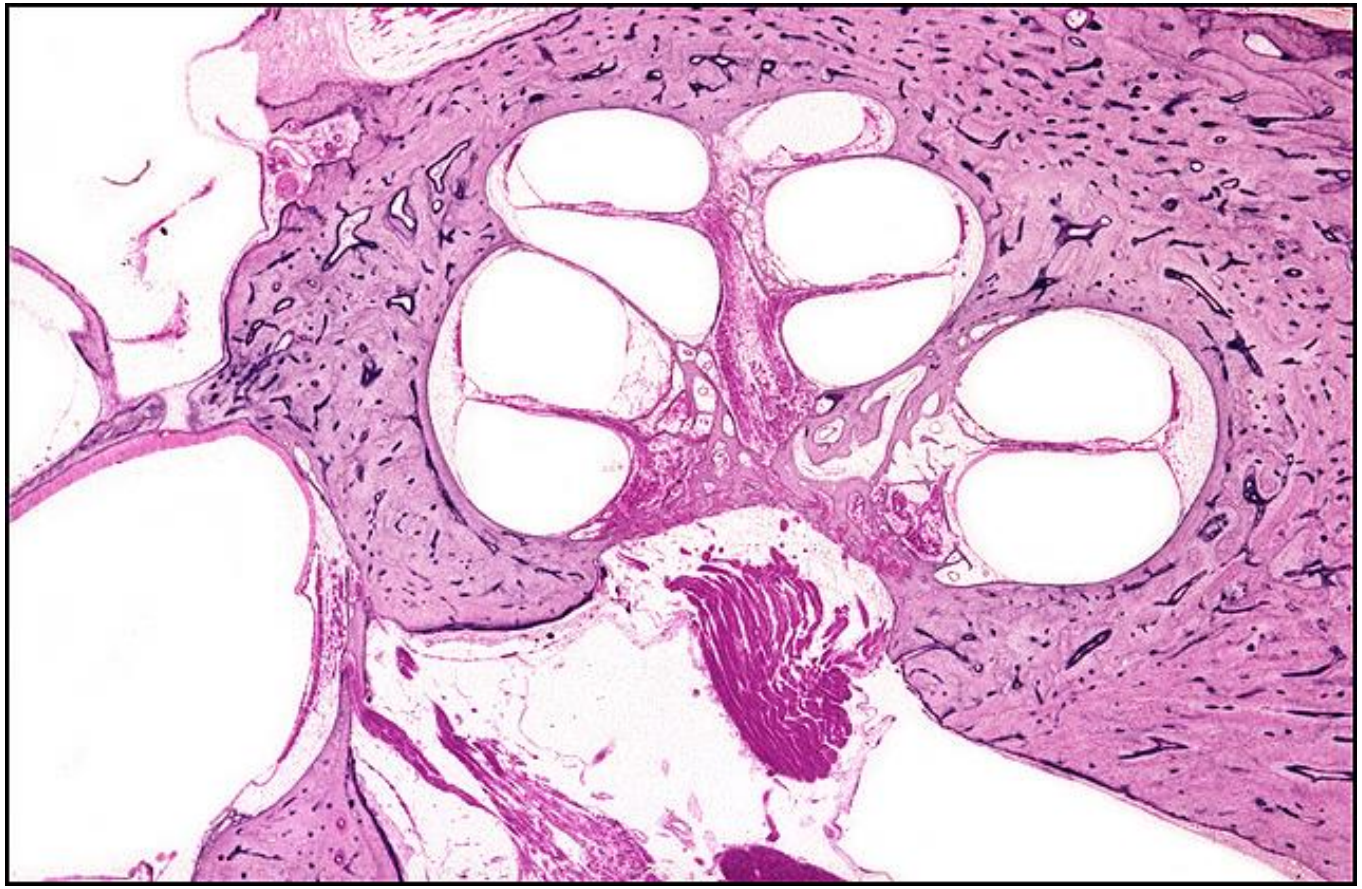
TB Case Number: 503

Gender: Male

Age (yrs.): 47

Otologic Diagnosis:

1. Membranous labyrinth, ototoxic degeneration, secondary to hemodialysis and antidiuretic therapy, bilateral
2. Ototoxicity, aminoglycoside, possible atrophic changes, bilateral



Loop Diuretic, R-270

Title: Loop Diuretic, R-270

Chapter: Intoxication

Chapter Section: Loop Diuretic Ototoxicity

TB Case Number: 12

Gender: Male

Age (yrs.): 32

Otologic Diagnosis:

1. Atrophy of organ of corti, caused by over-hydration
2. Atrophy of saccular macula, partial, secondary to collapsed wall

Mass General Brigham

Mass Eye and Ear