Case 71: SP13-1607

Dodd Sledge, Jennifer Lamoureux

Michigan State University
Diagnostic Center for Population and Animal Health

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Clinical History

• 7.5-year-old FS Labrador Retriever
• Initial presentation OS:
  – Buphthalmia
  – Hyphema
  – IOP 53mmHg
• Aqueous fluid drained and treated topically and systemically
• Recheck 7 days later
  – IOP 53mmHG
  – No dazzle response
  – No direct PLR
  – Enucleation elected

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Diagnoses

• Morphologic Diagnoses:
  – Iridociliary adenoma, uveo-invasive
  – Preiridal fibrovascular membrane with circumferential peripheral anterior synechia
  – Ectropion uvea
  – Mild hemophthalmos
  – Mild lymphoplasmacytic anterior uveitis
  – Mild segmental inner retinal atrophy and mild optic nerve cupping
  – Mild mid stromal corneal neovascularization

• Bottom Line
  – Iridociliary adenoma with secondary neovascular glaucoma

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Iridociliary tumors

• Origin

• Types
  – Adenoma
  – Uveo-invasive adenoma
  – Carcinoma

• Immunohistochemistry
  – Vimentin
  – Cytokeratin
  – NSE
  – Collagen IV
Neovascular Glaucoma

- PIFM with peripheral anterior synechia
- Common sequelae to
  - Intraocular tumors
  - Intraocular inflammation
  - Trauma
  - Retinal ischemia
- Due to intraocular production of angiogenic factors (VEGF)

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Questions?

Thanks to DCPAH
Histology

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References