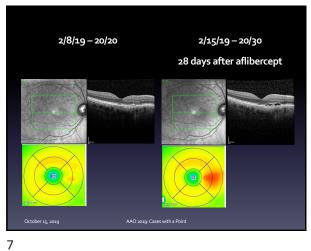
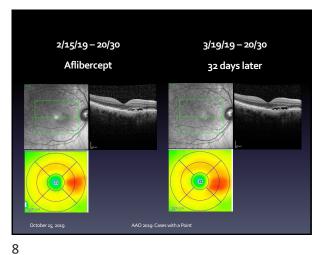
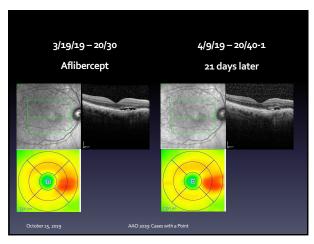
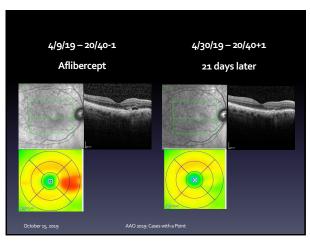


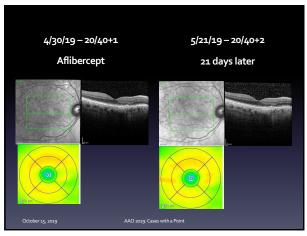
10/6/19

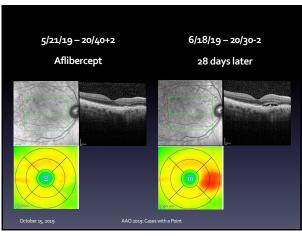


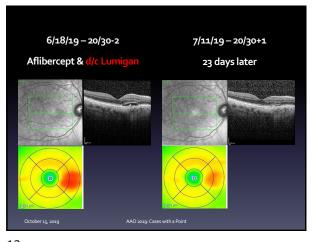


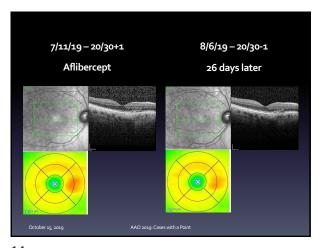




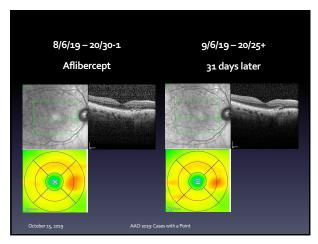


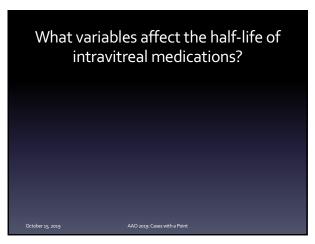






13 14



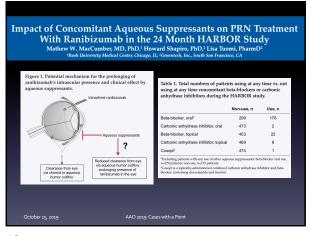


15 16

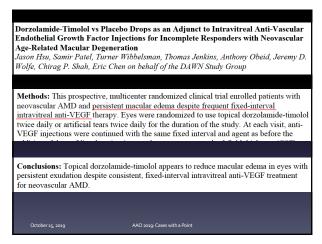
Gaudreault J, Fei D, Beyer JC et al. Pharmacokinetics and retinal distribution of ranibizumab, a humanized antibody fragment directed against VEGF-A, following intravitreal administration in rabbits. Retina 2007;27:1260-1266.

• Autoradiographic findings showed rapid and persistent diffuse distribution of radiolabeled ranibizumab through all.

Autoradiographic findings showed rapid and persistent
diffuse distribution of radiolabeled ranibizumab through all
retinal layers, including the retinal pigment epithelial cell
layer. Localization of radiolabeled ranibizumab was also
observed in the ganglion cell layer, the inner and outer
nuclear layers, and photoreceptor, with penetrations to the
choroids. Other sites of distribution included the optic
nerve head and optic nerve, cliary body epithelium and
stroma, and comeal endothelium.



18 19



What variables affect the half-life of intravitreal medications?

Figure 1. Potential mechanism for the prolonging of ranibizumab's intravultar presence and clinical effect by aqueous suppressants

| Produced dose such form of the prolonging of ranibizumab | 1 s aqueous production & 1's uveoscleral outflow |

Timolol | 1's aqueous production | 1's aqueous production | 1's aqueous production | 1's RPE pump | 1's aqueous production | 1's aqueou

20 21

In incomplete anti-VEGF responders → consider stopping prostaglandin analogs?