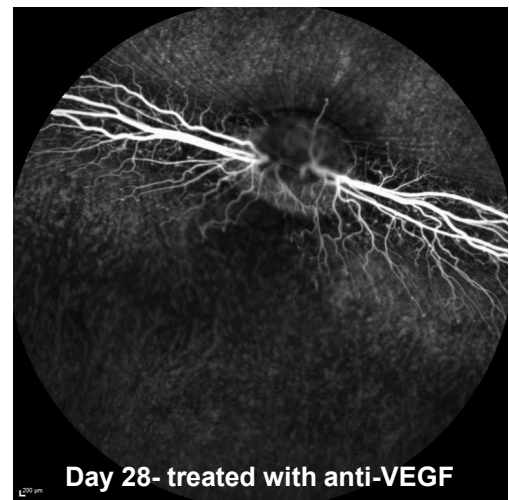
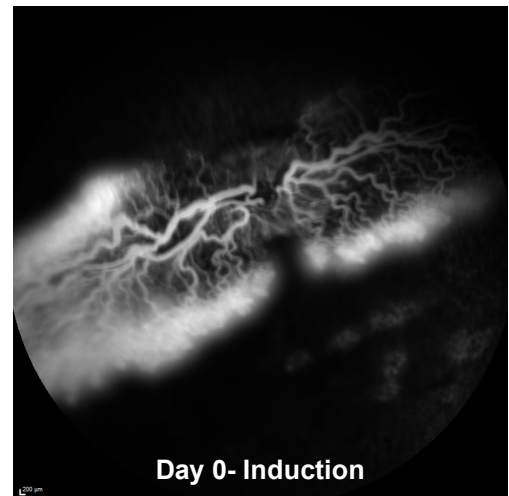


## AAA-Induced RNV in Rabbits

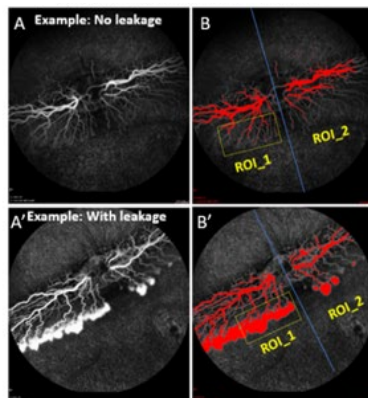
The  $\alpha$ -amino adipic acid (AAA) model of retinal neovascularization (RNV) in Dutch belted rabbits can be used to evaluate therapeutic efficacy of test articles through the quantification of vascular leakage.

### AAA Model:

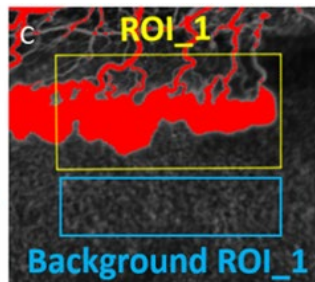
- ✓ Retinal neovascularization (RNV) induced via IVT injection of AAA
- ✓ Evaluate therapeutic efficacy of test article via inhibition of vascular leakage
- ✓ Chronic model allows for assessment of durability as well as efficacy
- ✓ Fluorescein angiography used for quantification of vascular leakage via corrected total region fluorescence (CTRF)



Data Extraction Using Image J



Quantification of Vascular Leakage



Corrected total region fluorescence:

$$CTRF = \text{Integrated Density}^{RED} - (\text{Mean}^{BACKGROUND} \times \text{Area}^{RED})$$

### Our Team

Studies are led by our specialized team with decades of experience-

Dr. David Culp, Director of Research, and Dr. Brian Gilger, Board-Certified Veterinary Ophthalmologist

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