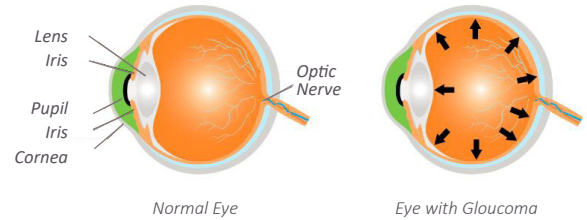


Study Purpose

Evaluate efficacy of pharmaceuticals and drug-eluting devices designed to reduce intraocular pressure.



Species

- ✓ New Zealand White Rabbits
- ✓ Dutch Belted Rabbits
- ✓ Canines

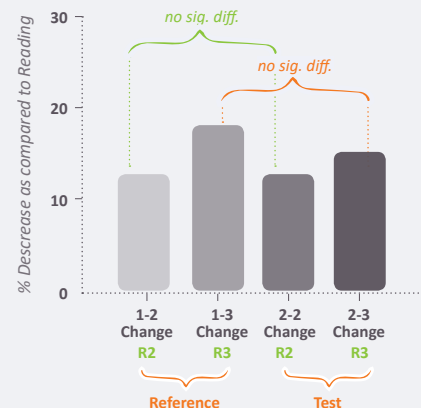
Deliverables

- ✓ Clinical ophthalmic examinations (slit lamp biomicroscopy and fluorescein imaging) using a modified McDonald-Shadduck scoring system
- ✓ IOP measurements
- ✓ Histopathological analysis

Model Description

- ✓ Steroid induced hypertensive model
 - Model induction time: 2-3 weeks
- ✓ Normotensive Model
 - IOP reduction from baseline values
- ✓ IOP measurements (AM & PM) at baseline, during induction, and at customized time points
- ✓ Clinical Ophthalmic Examinations at customized time points

READING 2 AND 3 ON DAY 3 (DAY 24)



Benefits

- ✓ Animals` acclimation to IOP measurement procedures
- ✓ Trained scientists for consistent and accurate measurements
- ✓ Advanced ocular equipment and expertise in-house

Clinical Drug	Human Response	Rabbit Response
β-Blockers: D-Timolol	>-5 mmHg (2 hrs)	-5 mmHg(2 hrs)
Topical CAIs: Dorzolamide	-5 mmHg	-4 to-6 mmHg
Prostaglandins: Latanoprost	-3 mmHg	-5 mmHg
Selective α2, Adrenergic Agonists: Brimonidine	-6 mmHg	-6 mmHg



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