

AVACINCAPTAD PEGOL, A NOVEL C5 INHIBITOR, DEMONSTRATES A CONTINUED REDUCTION IN THE MEAN RATE OF GEOGRAPHIC ATROPHY GROWTH 18-MONTH RESULTS FROM THE GATHER1 CLINICAL TRIAL

CARL J. DANZIG, MD

Rand Eye Institute, Deerfield Beach, FL

Co-authors: Arshad M. Khanani, MD; David A. Eichenbaum, MD; Charles C. Wykoff, MD, PhD; Jason Hsu, MD; David R. Lally, MD; Veeral Sheth, MD; Jeffrey S. Heier, MD; Sunil S. Patel, MD, PhD; Jared S. Nielsen, MD

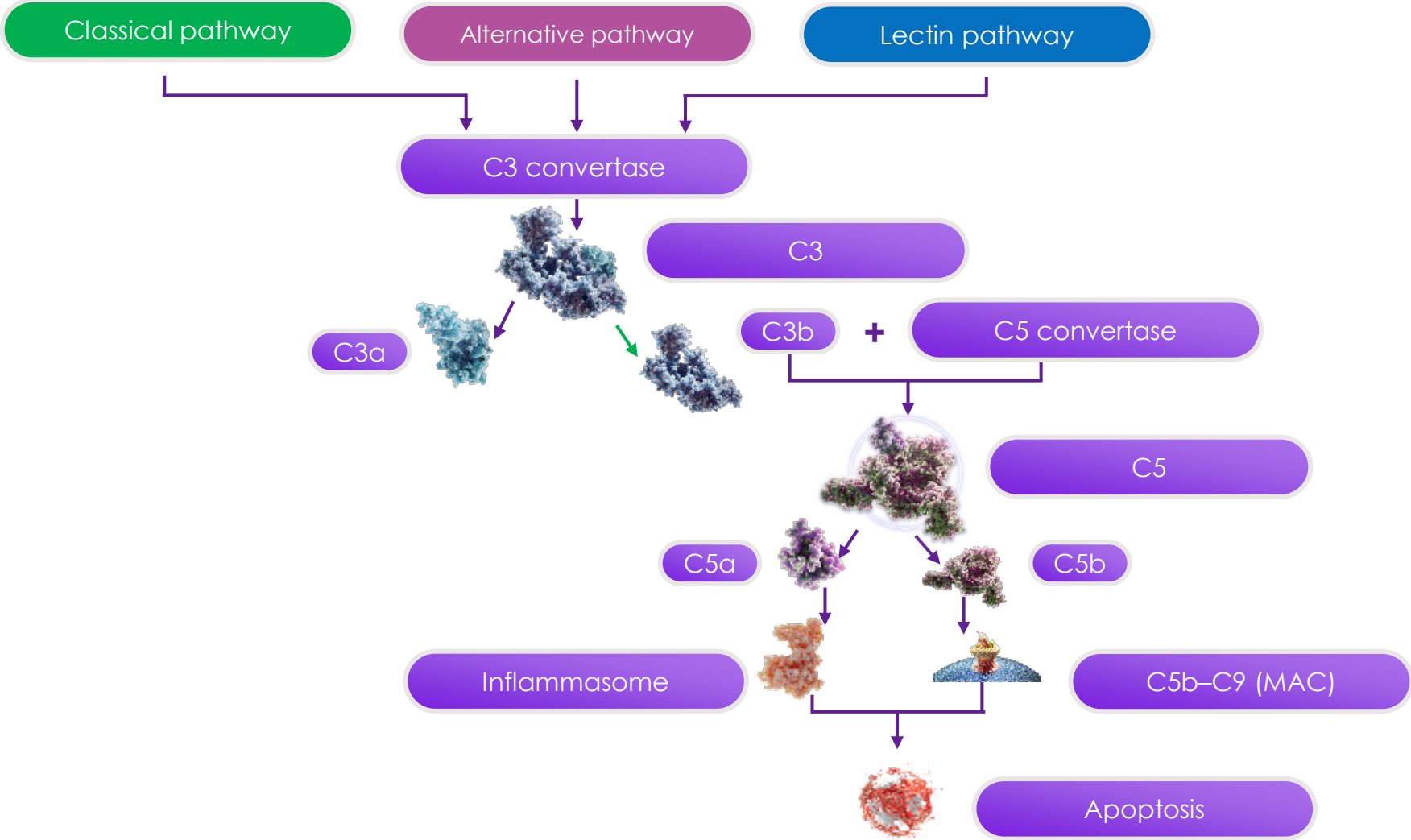
Carl J. Danzig Financial disclosures

Speaker: Novartis

Consultant: DORC, Iveric Bio, Genentech, Novartis, Regeneron

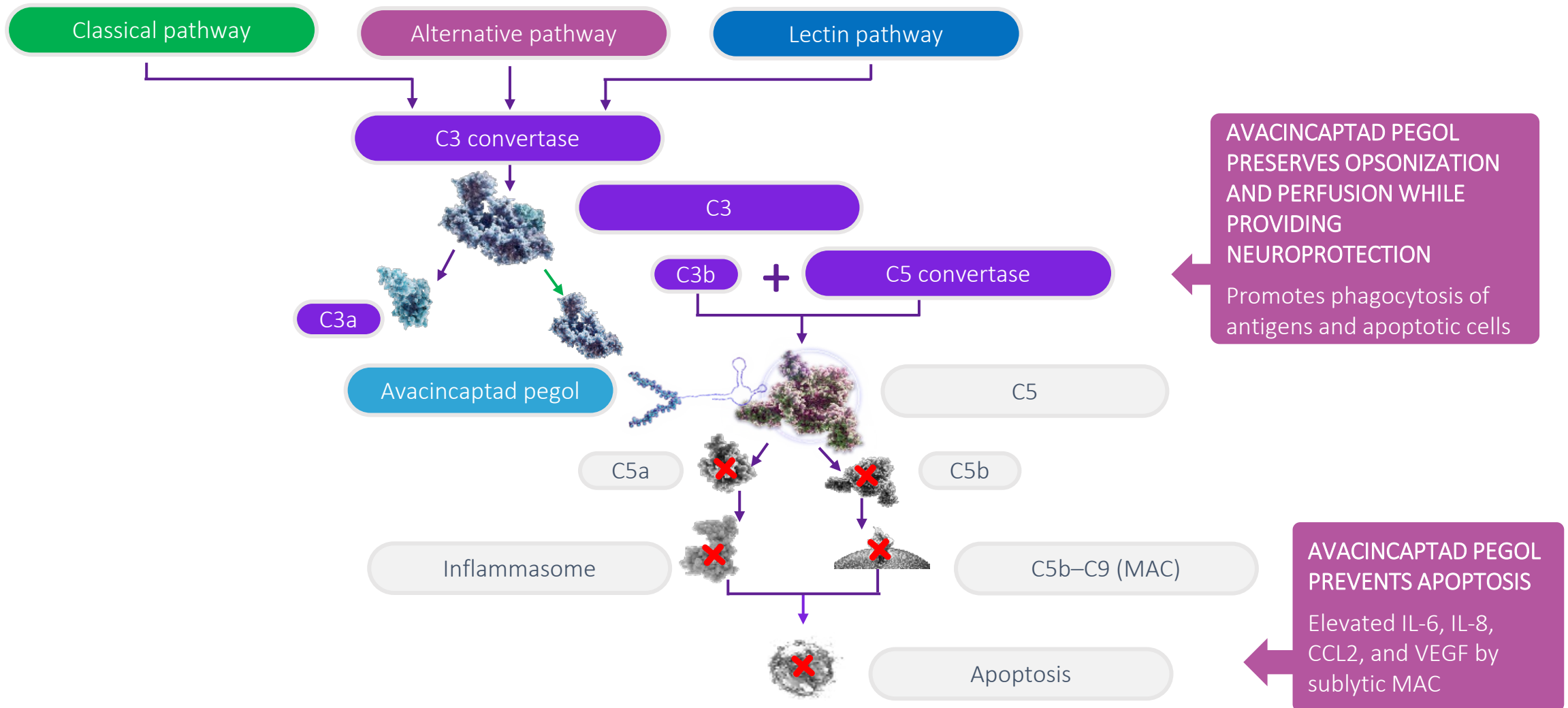
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The complement pathway is directly involved in the pathogenesis of geographic atrophy



Xu H, Chen M. Targeting the complement system for the management of retinal inflammatory and degenerative diseases. *Eur J Pharmacol.* 2016;787:94-104.

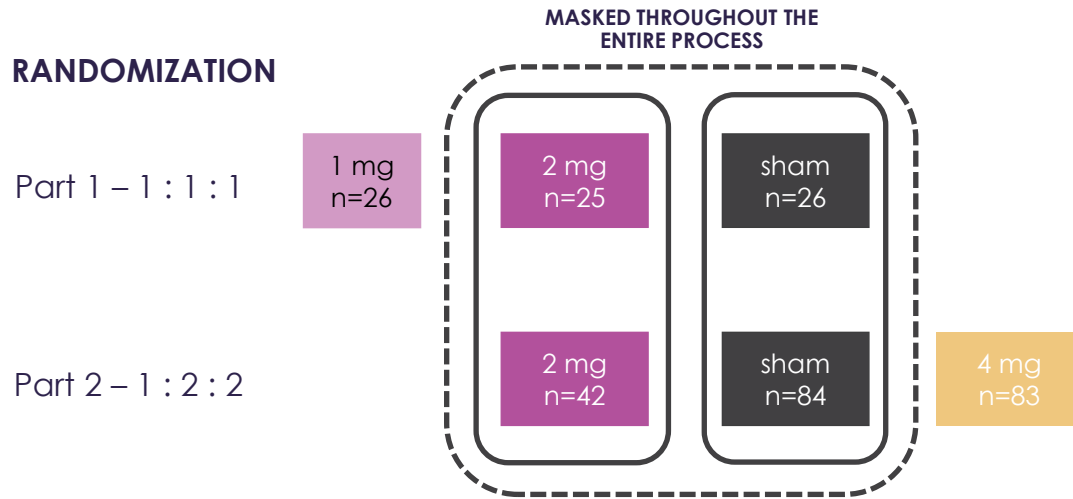
Avacincaptad pegol inhibits the complement cascade by targeting C5



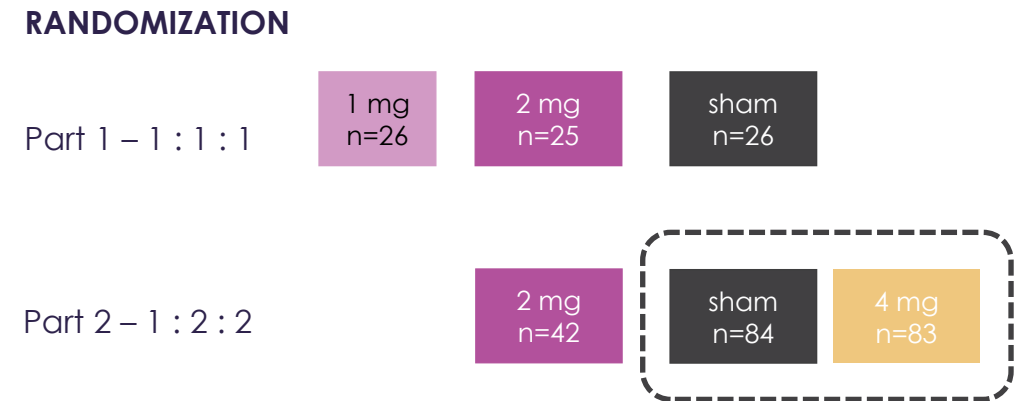
Randomization and trial design

PRIMARY EFFICACY ENDPOINT: Mean rate of change in GA over 12 months measured by fundus autofluorescence (FAF) at 3 timepoints: baseline, month 6, and month 12.

Avacincaptad pegol 2 mg vs sham



Avacincaptad pegol 4 mg vs sham



EFFICACY EVALUATION BASED ON PRESPECIFIED STATISTICAL ANALYSIS PLAN (SAP)

Avacincaptad pegol 2 mg vs sham: Subjects randomized from Part 1 were combined with subjects randomized from Part 2, where the analysis included a regression factor by part

Avacincaptad pegol 4 mg vs sham: Only based on subjects randomized in Part 2

Avacincaptad pegol was well tolerated over 18 months

✓ Avacincaptad pegol was well tolerated after 18 months of continuous administration

✓ No reported avacincaptad pegol-related inflammation

✓ The most frequently reported ocular adverse events were related to the injection procedure*

✓ Incidence of study eye CNV:

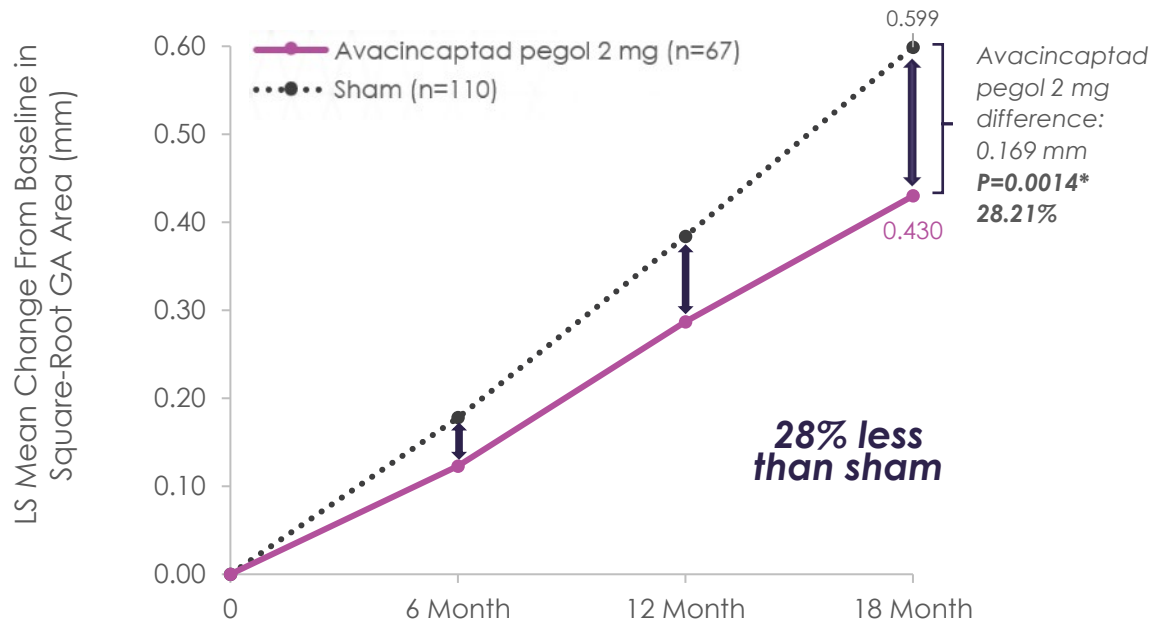
| | n (%) | 18 months |
|-------------------------|--------------|------------------|
| Sham | | 3 (2.7%) |
| Avacincaptad pegol 1 mg | | 2 (7.7%) |
| Avacincaptad pegol 2 mg | | 8 (11.9%) |
| Avacincaptad pegol 4 mg | | 13 (15.7%) |

*Based on investigator-reported safety events.

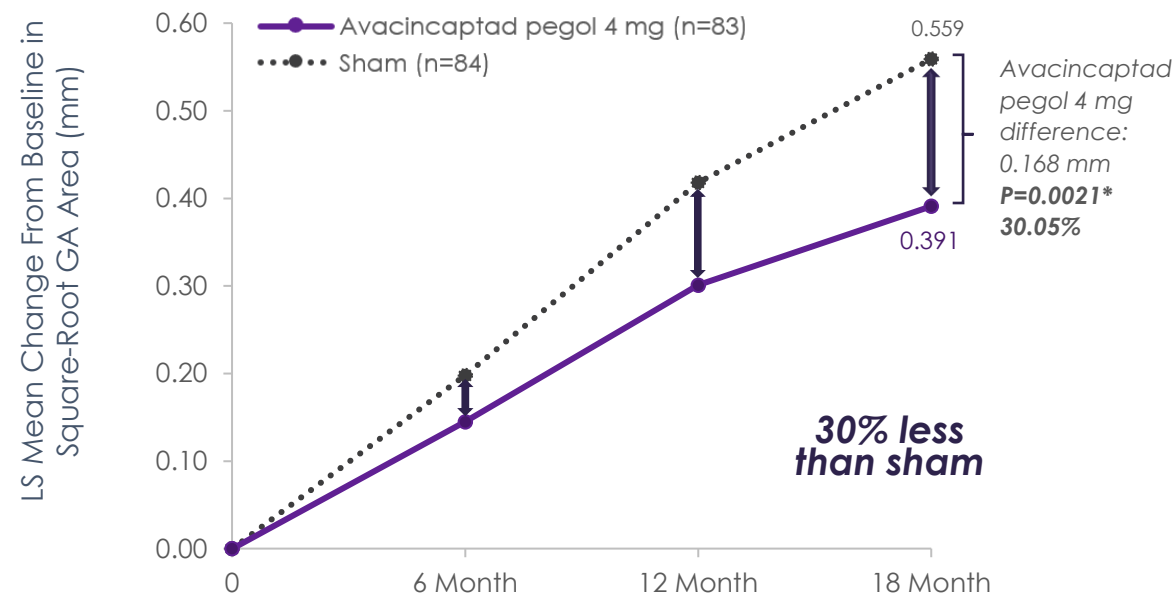
Avacincaptad pegol treatment reduces GA progression through 18 months

MEAN CHANGE FROM BASELINE IN SQUARE-ROOT GA LESION AREA OVER 18 MONTHS

Avacincaptad pegol 2 mg vs sham



Avacincaptad pegol 4 mg vs sham

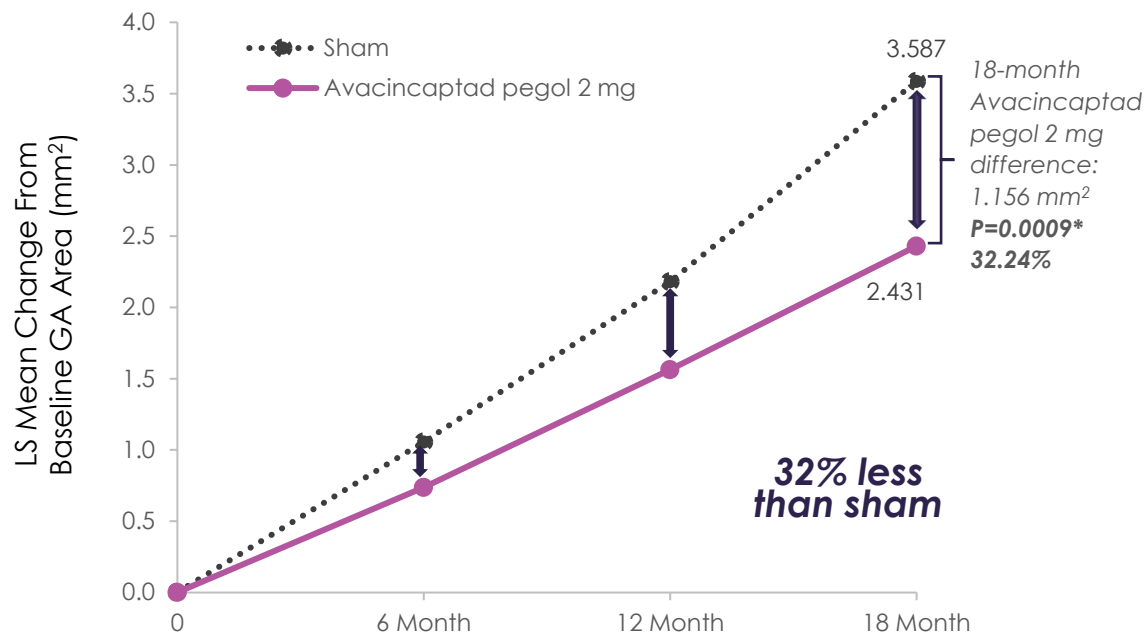


Based on LSMEANS from MRM model; ITT population Hochberg procedure was used for significance testing; prespecified and descriptive analysis. These least squares means are estimates of the MRM model, drawing on all available data, including data from groups with different randomization ratios in Part 1 and Part 2, and should not be interpreted as directly observed data. *18-month P values are descriptive in nature.

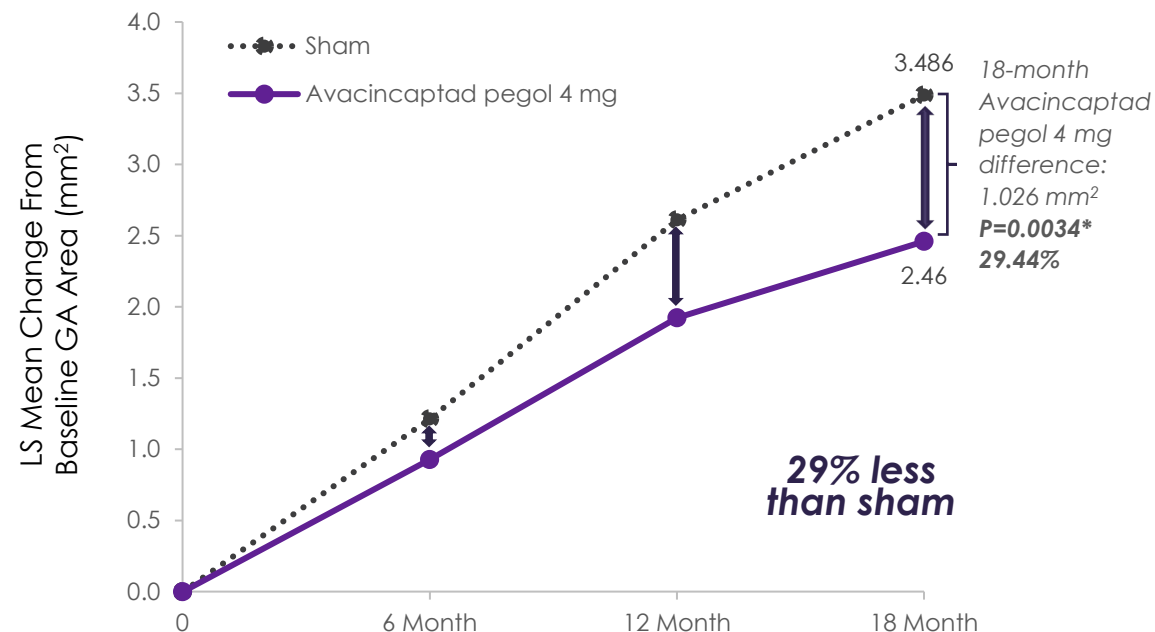
18-month results remain consistent, irrespective of analysis methodology (non-square-root analysis)

MEAN CHANGE FROM BASELINE IN NON-SQUARE-ROOT GA LESION AREA OVER 18 MONTHS

Avacincaptad pegol 2 mg vs sham



Avacincaptad pegol 4 mg vs sham



Based on LSMEANS from MRM model; ITT population Hochberg procedure was used for significance testing; prespecified and descriptive analysis. These least squares means are estimates of the MRM model, drawing on all available data, including data from groups with different randomization ratios in Part 1 and Part 2, and should not be interpreted as directly observed data. *18-month P values are descriptive in nature.

Conclusions

- ✓ Avacincaptad pegol was generally well tolerated over 18 months.
- ✓ Intravitreal avacincaptad pegol resulted in a decrease in the rate of GA lesion growth over 18 months of treatment vs sham injection.
- ✓ Avacincaptad pegol treatment reduced GA growth at 18 months for both 2-mg and 4-mg doses ($P = 0.0014$ and 0.0021 , respectively).
- ✓ This is the only phase 2/3 trial with results from continuous treatment over 18 months, ~28% reduction in rate of GA growth.
- ✓ Based on the promising safety and efficacy results from GATHER1, a Phase 3 trial, GATHER2, is currently in progress with enrollment already completed.

THANK YOU

