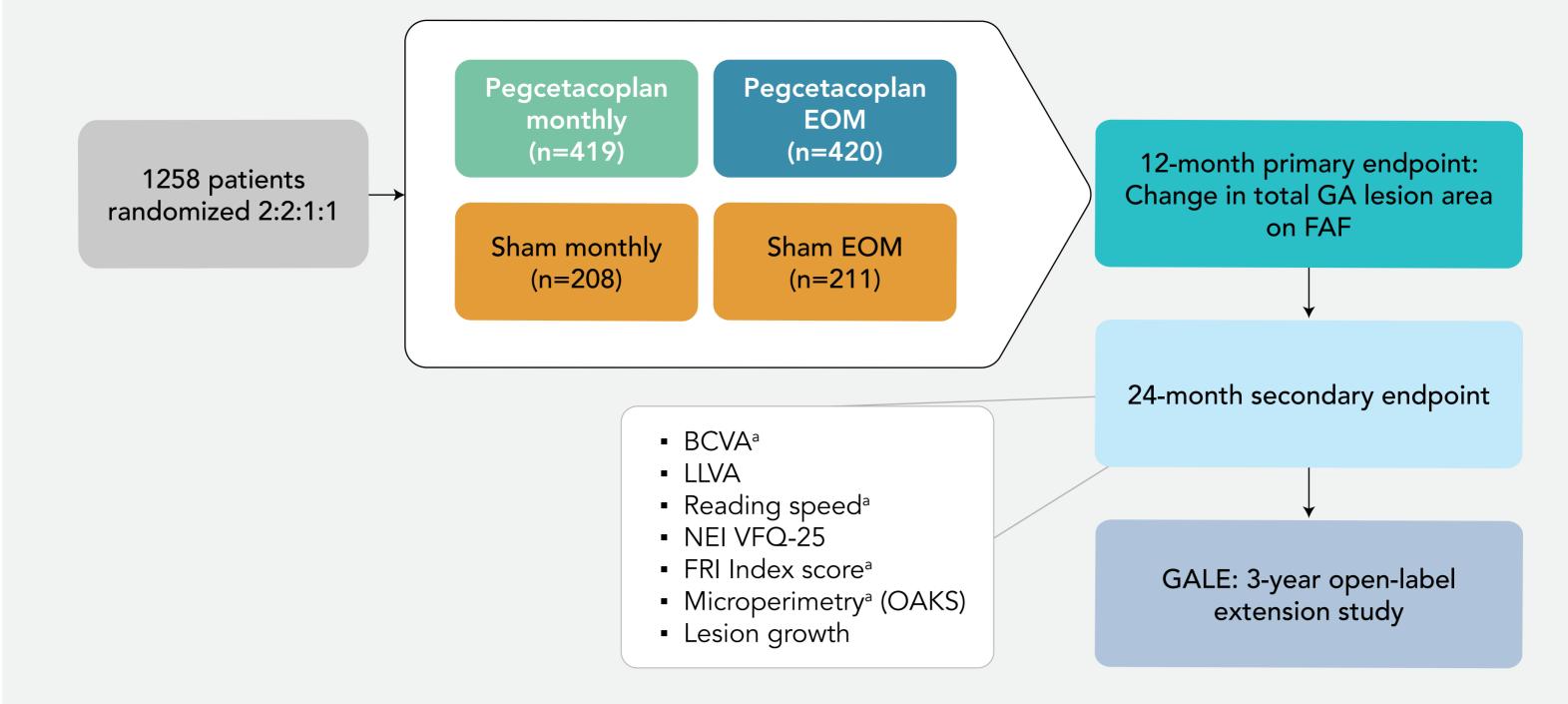
## Assessment of geographic atrophy progression in the phase 3 OAKS and DERBY trials

Components of the complement system, including C3, have been detected in drusen and age-related macular degeneration (AMD) lesions. The Phase 3 OAKS and DERBY trials demonstrate the safety and efficacy of pegcetacoplan, which targets C3, in reducing geographic atrophy (GA) lesion growth.

Chiang A, et al. Presented at the Annual Meeting for the Association for Research in Vision and Ophthalmology; April 23-27, 2023; New Orleans, LA.



Patients with geographic atrophy (GA) secondary to age-related macular degeneration (AMD) were randomized across 232 sites.



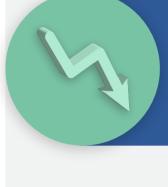


## **Inclusion criteria**

- Age ≥60 years • BCVA ≥24 letters ETDRS (20/320 Snellen
- equivalent) • GA lesion requirements:
- Total size:  $\geq 2.5$  and  $\leq 17.5$  mm<sup>2</sup>; if multifocal, at least one focal lesion must be ≥1.25 mm<sup>2</sup> (0.5 DA)Presence of perilesional
- hyperautofluorescence GA lesions with or without subfoveal involvement allowed
- <sup>a</sup>Key secondary endpoints.

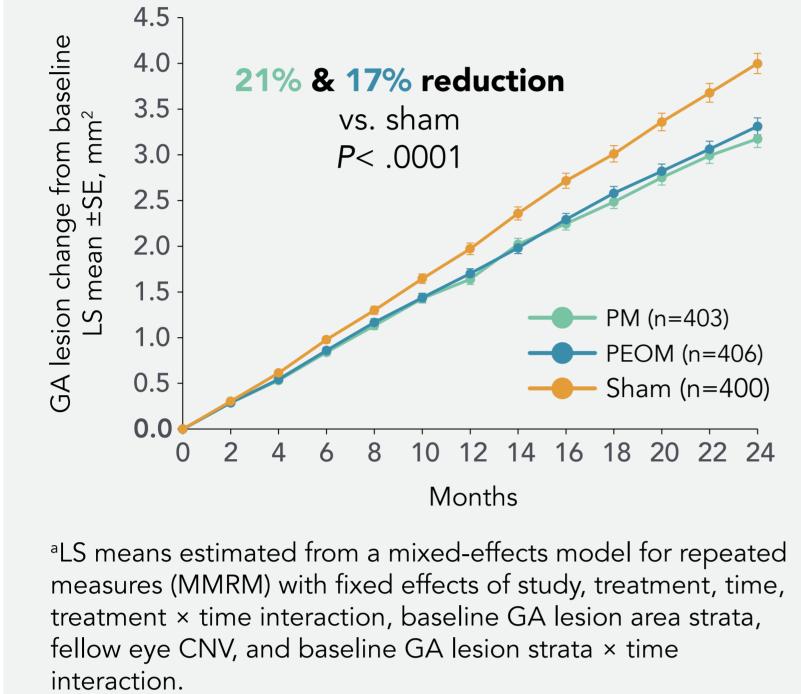
OAKS, DERBY, GALE CT.gov identifiers: NCT03525613, NCT03525600, NCT04770545, respectively. AMD = age-related macular degeneration; BCVA = best-corrected visual acuity; CNV = choroidal neovascularization; DA =

disc area; EOM = every other month; ETDRS = Early Treatment Diabetic Retinopathy Study; FAF = fundus autofluorescence; FRI = Functional Reading Independence; GA = geographic atrophy; LL = low luminance; NEI-VFQ = National Eye Institute Visual Function Questionnaire; RPE = retinal pigment epithelium.



4.5

Pegcetacoplan reduced GA lesion growth in OAKS & DERBY combined.



MMRM analysis

(primary)<sup>a</sup>

Analysis performed on mITT population, defined as all randomized patients who received at least 1 injection of pegcetacoplan or sham and have baseline and at least 1 postbaseline study eye GA lesion area value. Includes 1 patient in each of OAKS Sham, DERBY Pegcetacoplan EOM, and DERBY Sham groups and had their first postbaseline GA lesion assessment after month 12.

effect over time.

PM (n=403)

PEOM (n=406)

Sham (n=402)

**Exudative AMD\*** 

\*Includes adverse events reported by the

(~35% of overall population)

26% & 22% reduction

vs. sham

P<.0001

## 20% & 17% reduction vs. sham

Piecewise linear slope analysis

(post hoc)b

**Exclusion criteria** 

GA secondary to a condition other than AMD,

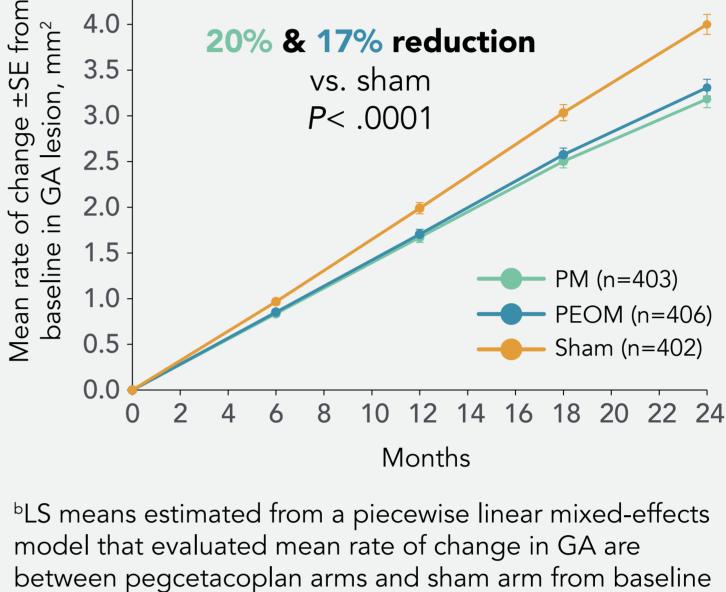
including presence of RPE tear (assessed by

CNV in the fellow eye was NOT exclusionary

such as Stargardt disease, in either eye

reading center)

• CNV in the study eye (active or history of),

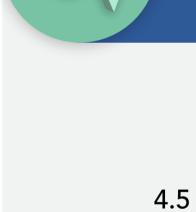


the slope to be linear over each of the 6-month segments but to differ between segments (piecewise slope analysis). EOM = every other month; GA = geographic atrophy; LS = least squares; mITT = modified intent to treat; PM = pegcetacoplan

24%

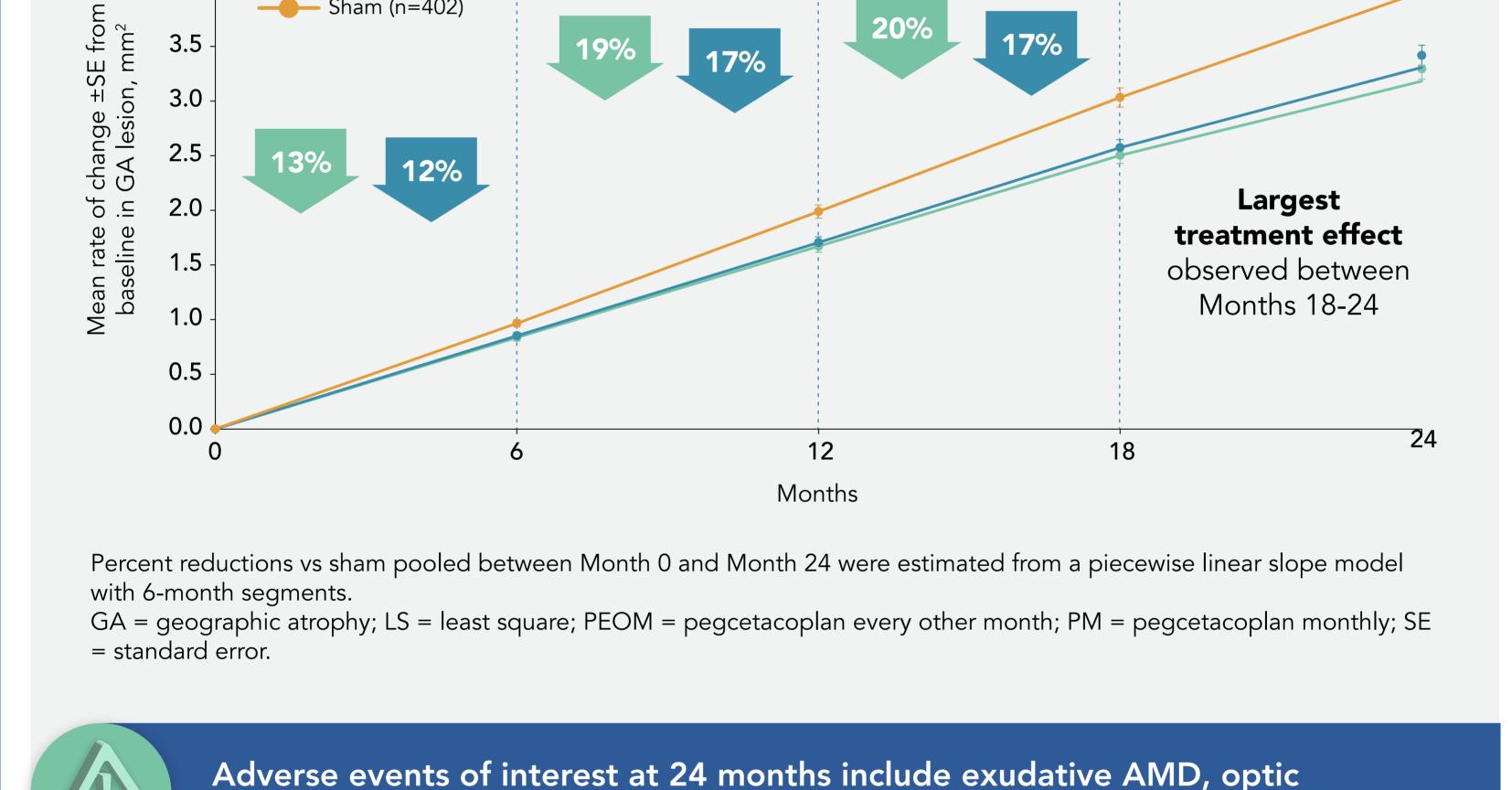
to Month 24, with knots at Months 6, 12 & 18 allowing for

monthly; PEOM = pegcetacoplan every other month. Pegcetacoplan reduced mean rate of GA growth with increasing treatment



4.0

30%



PM **PEOM** Sham

(n=420)

7%

(n=417)

3%

(~65% of overall population)

PM (n=245)

8 10 12 14 16 18 20 22 24

Months

PEOM (n=251)

Sham (n=269)

19% & 16% reduction

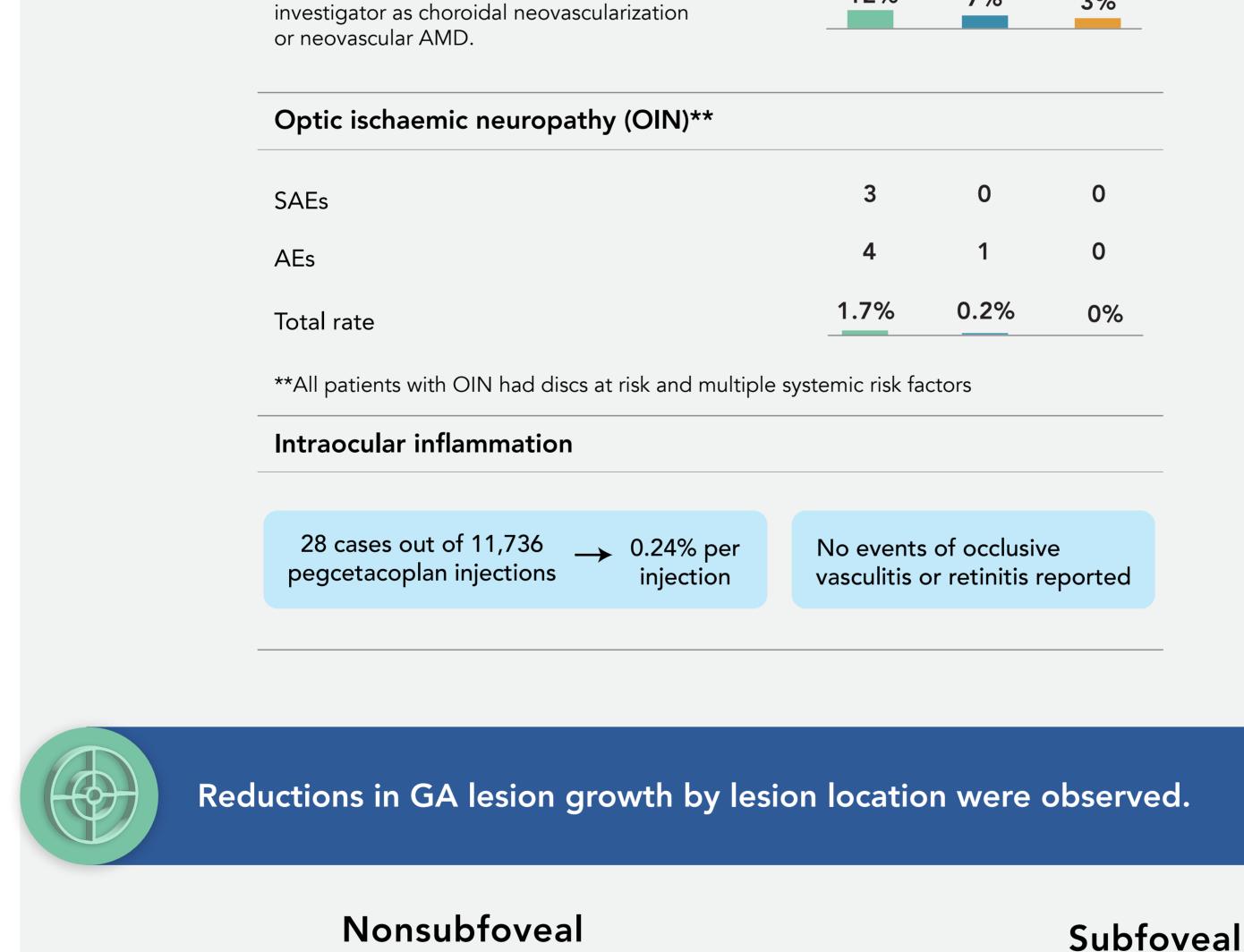
vs. sham

P<.0001 (PM)

(n=419)

12%

ischaemic neuropathy, and intraocular inflammation.





6.0

5.5

2.0

baseline in GA lesion (mm²) ±SE from P = .0003 (PEOM)4.0 2.5 3.5 LS mean change 3.0 2.0

4.0

3.5

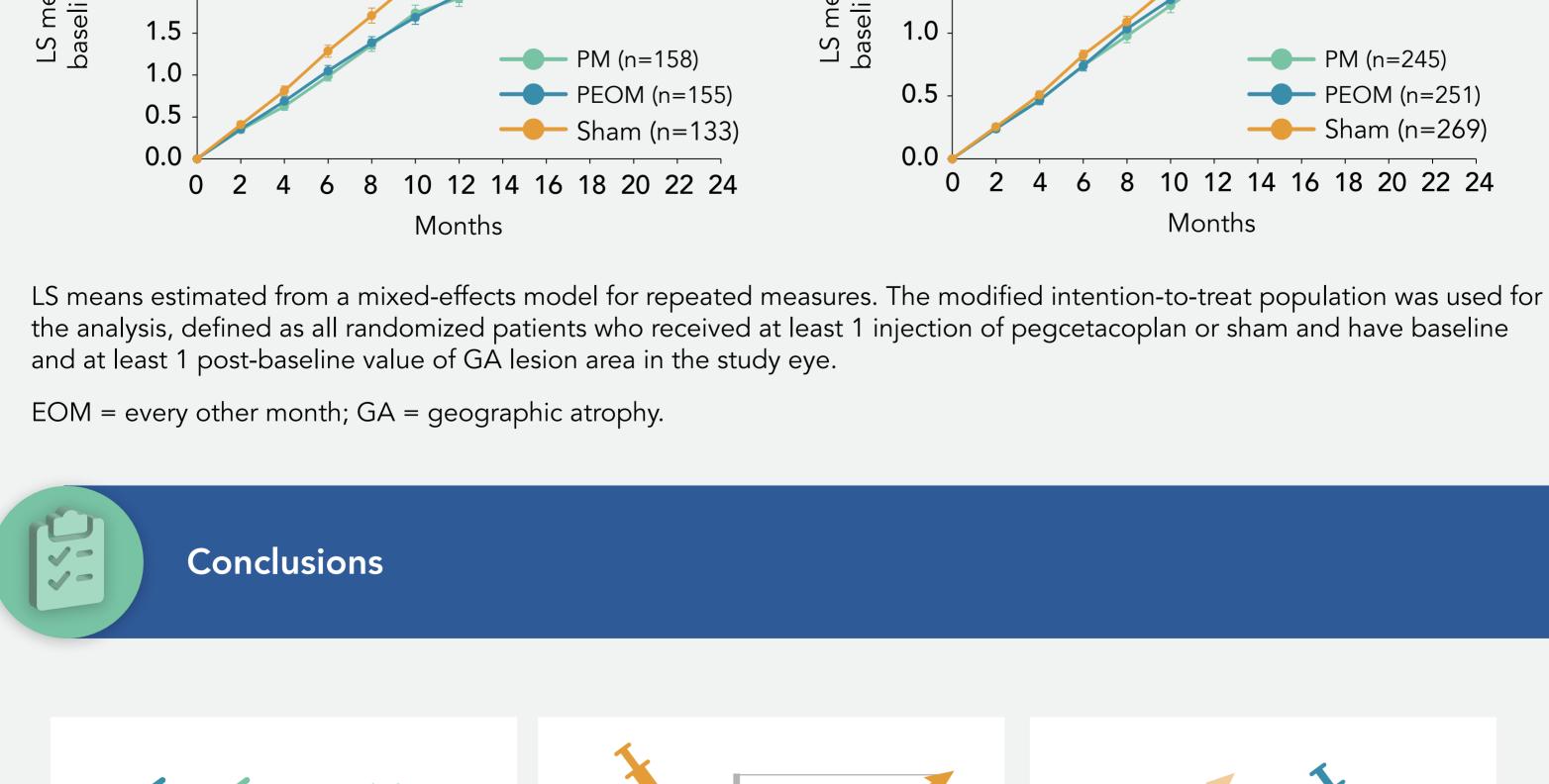
3.0

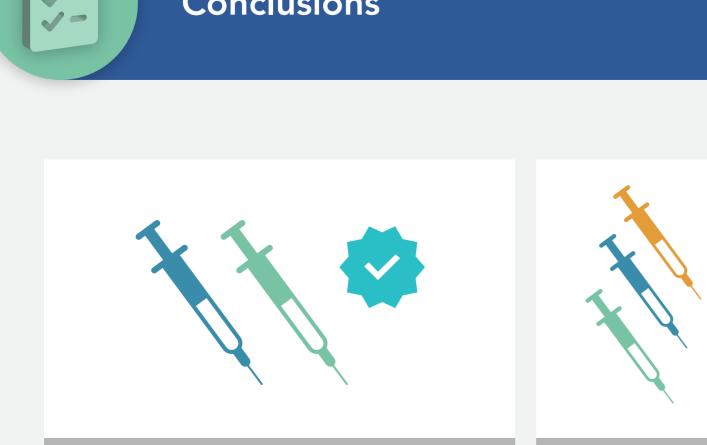
1.5

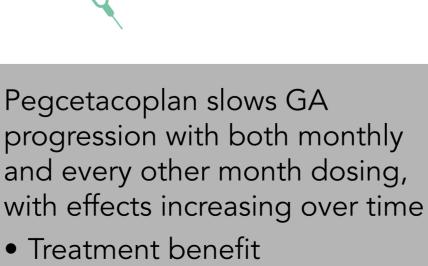
1.0

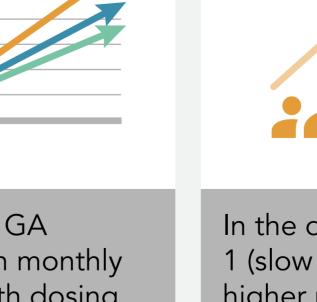
0.5

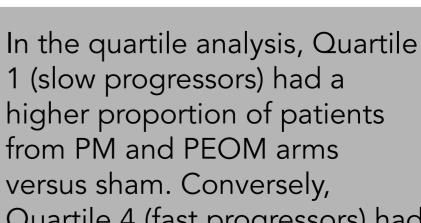
0.0

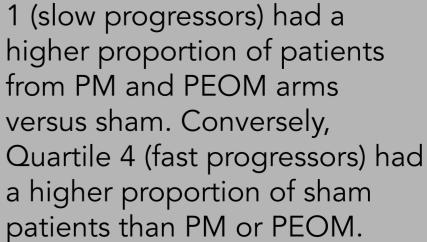








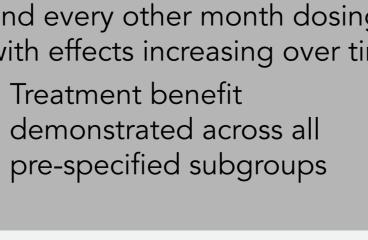




Pegcetacoplan is the first and

GA secondary to AMD.

only FDA-approved treatment for





Based on the area of retinal tissue preserved, between 3500-10,000 RPE are saved with lesions further from the with 2 years of treatment, which corresponds with a much larger fovea.

number of PR cells saved.

**RPE** 

