Assessment of Geographic Atrophy Progression in the FILLY Study

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Financial Disclosures

AC:

<u>Consultant</u>: Apellis, Genentech, Orbit Biomedical - Gyroscope <u>Grant Support</u>: Apellis, Genentech, Regeneron

DL:

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Summary



 Consistent with the overall results, proportion of patients with relatively smaller change in GA lesion size was higher in the APL-2 treatment arms compared to the sham control group, suggestive of APL-2's effect over reducing disease progression

-Quartile evaluation within treatment groups further supports these findings

 In general, foveal lesions had slower GA progression compared to extrafoveal lesions across all treatment groups



Disclaimer

• Pegcetacoplan (APL-2) is an investigational product

• The safety and effectiveness of pegcetacoplan have not been determined, nor has pegcetacoplan been approved by the FDA or any other regulatory authority

Pegcetacoplan (APL-2): C3 Inhibitor



Phase 2 Trial Design





[#] Not counting the 3 satellite sites

Liao, D et al. Ophthalmology. 2019. pii: S0161-6420(18)33132-4. [Epub ahead of print] Protocol study number, POT-CP121614 (FILLY); NCT02503332

Pegcetacoplan (APL-2) Slows GA Lesion* Growth



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Adverse Event Profile



Adverse Event n (%) of subjects with events	APL-2 Monthly N=86	APL-2 EOM N=79	Sham Pooled N=81	
Ocular SAEs in study eye*	4 (4.7%)	2 (2.5%)	1 (1.2%)	
Systemic SAEs	19 (22.1%)	24 (30.4%)	23 (28.4%)	
Treatment related ocular AEs in the study eye	22 (25.6%)	11 (13.9%)	0	
Treatment related systemic AEs	0	0	0	
Ocular SAEs	APL-2 Monthly N=86	APL-2 EOM N=79	Sham Pooled N=81	
Endophthalmitis*	2 (2.3%)	1 (1.3%)	0	
IOP increased	1 (1.2%) [†]	1 (1.3%)	0	
Retinal detachment	1 (1.2%)	0	0	

*2 culture positive for coagulase-negative Staphylococcus. 1 culture negative in the monthly group. †2 events in a subject Liao, D et al. Ophthalmology. 2019. pl: 50161-6420(16)33132-4. [Epub ahead of print Protocol study number, POT-CP121614 (FILLY); NCT02503332





To further assess progression of geographic atrophy (GA) by categories of change in GA lesion size in eyes receiving treatment with pegcetacoplan (APL-2) or sham



Post hoc Analysis: Methods



GA progression: Change in square root lesion size from baseline to Month 12

- -GA progression by quartiles assessed in:
 - Overall patient population
 - By treatment group:
 - Pegcetacoplan monthly (M)
 - -Pegcetacoplan every-other month (EOM)

-Sham

Only patients with observed data at Month 12 were included (n=192)



Mean Change in GA Lesion Size Overall

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FILLY



Observed Data (n=192)



Data on File Observed Data (n=192)



Data on File Observed Data (n=192)

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Quartile Distribution (GA Lesion Growth) By Treatment Group



Shift in the APL-2 groups compared to sham group indicates slower progression

5)

Data on File Observed Data (n=192)

Baseline Characteristics by Quartiles Overall



	Q1 (<0.13mm)	Q2 (0.13 - <0.27mm)	Q3 (0.27 - <0.41mm)	Q4 (<u>></u> 0.41 mm)
Mean Lesion Size, mm ²	8.55	9.11	8.03	7.51
Lesion Focality, n (%)				
Unifocal	18 (37.5%)	14 (29.2%)	19 (39.6%)	14 (29.2%)
Multifocal	30 (62.5%)	34 (70.8%)	29 (60.4%)	34 (70.8%)
Lesion Location, n (%)				
Foveal	36 (75.0%)	33 (68.8%)	28 (58.3%)	18 (37.5%)
Extrafoveal	12 (25.0%)	15 (31.3%)	20 (41.7%)	30 (62.5%)



Baseline Characteristics by Quartiles Within Treatment Groups



9 (39.1%)

14 (60.9%)

))

	Q1 (<0.13mm)			Q2 (0.13 - <0.27mm)		
	M (n=18)	EOM (n=20)	Sham (n=10)	M (n=20)	EOM (n=16)	Sham (n=12)
Mean Lesion Size, mm ²	8.32	9.00	8.04	8.95	8.88	9.67
Lesion Focality, n (%)						
Unifocal	5 (27.8%)	9 (45.0%)	4 (40.0%)	5 (25.0%)	7 (43.8%)	2 (16.7%)
Multifocal	13 (72.2%)	11 (55.0%)	6 (60.0%)	15 (75.0%)	9 (56.3%)	10 (83.3%)
Lesion Location, n (%)						
Foveal	13 (72.2%)	15 (75.0%)	8 (80.0%)	13 (65.0%)	13 (81.3%)	7 (58.3%)
Extrafoveal	5 (27.8%)	5 (25.0%)	2 (20.0%)	7 (35.0%)	3 (18.8%)	5 (41.7%)
	Q3 (0.27 - <0.41mm)			Q4 (<u>></u> 0.41 mm)		
	M (n=16)	EOM (n=10)	Sham (n=22)	M (n=13)	EOM (n=12)	Sham (n=23)
Mean Lesion Size, mm ²	7.60	9.83	7.53	6.45	6.58	8.61
Lesion Focality, n (%)						
Unifocal	6 (37.5%)	4 (40.0%)	9 (40.9%)	3 (23.1%)	2 (16.7%)	9 (39.1%)
Multifocal	10 (62.5%)	6 (60.0%)	13 (59.1%)	10 (76.9%)	10 (83.3%)	14 (60.9%)
Lesion Location. n (%)						

Consistent with overall population, foveal lesions progressed slowly within all treatment groups

13 (59.1%)

9 (40.9%)

4 (30.8%)

9 (69.2%)

5 (41.7%)

7 (58.3%)

5 (50.0%)

5 (50.0%)

10 (62.5%)

6 (37.5%)

Data on File; Observed Data (n=192)

Foveal

Extrafoveal

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 Consistent with the overall results, proportion of patients with relatively smaller change in GA lesion size was higher in the APL-2 treatment arms compared to the sham control group, suggestive of APL-2's effect over reducing disease progression

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Global Phase 3 Program





