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Extending Treatment Durability With Next-Generation Neovascular AMD Therapies

Enduring CME News Broadcast Video

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Measures of Disease Activity: *Challenges in Real-World Practice*

Structural OCT Imaging^{1,2}

- Well established measure of disease activity
- Used to determine change in macular fluid
- Need to be aware that some biomarkers measured by OCT have robust evidence base, whereas other biomarkers have less evidence supporting their use
- Presence of IRF
 - Important to distinguish IRF associated with atrophy and tubulation from IRF associated with worsening nAMD

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Macular Hemorrhage

- New macular hemorrhage secondary to nAMD is important marker of disease activity
- Can be measured by clinical examination, color fundus photography, OCT imaging

1. Patel PJ et al. Ophthalmol Ther. 2023;12:2323-2346. 2. Flaxel CJ et al. Ophthalmology. 2020;127(1):P1-P65.











Brolucizumab Efficacy, Safety, Durability at 96 Wk HAWK/HARRIER

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• Efficacy

- BCVA change
 - HAWK +5.9 (6 mg) and +5.6 (3 mg) letters
 - HARRIER +6.1 (6 mg) letters
- CST
 - HAWK -174.8 um (6 mg)
 - HARRIER -197.7 um (6 mg)

- Durability
 - At 92 wk (last DAA), a 45.4% (HAWK) and 38.6% (HARRIER) probability was observed for brolucizumab 6 mg with patients maintaining q12w treatment regimen
- Safety

AE, % (n)	Brolucizumab n=1088
Any IOI	4.6 (50)
Retinal vasculitis	3.3 (36)
Retinal vasculitis with vascular occlusion	2.1 (23)
Retinal vasculitis and ≥3-line vision loss	22 (8/36)
Retinal vasculitis and ≥6-line vision loss	14 (5/36)

AE, adverse event; IOI, intraocular inflammation Dugel PU et al. *Ophthalmology*. 2021;128:89-99.



Faricimab Clinical Trial Treatment Paradigm Y 1 TENAYA/LUCERNE

- Main outcome measures: Mean BCVA change from baseline averaged over wk 40, 44, 48
- Disease activity assessments: BCVA, CST status, macular hemorrhage, clinical judgment

Khanani AM et al. *Ophthalmol Sci.* 2021;1:100076. Heier JS et al. *Lancet.* 2022;399:729-740.

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Aflibercept 8 mg Safety PUI SAR

Most Frequent Ocular AEs Through Wk 48 ¹	Aflibercept 2 mg q8w (n=336)	Aflibercept 8 mg q12w (n=335)	Aflibercept 8 mg q16w (n=338)	Aflibercept 8 mg pooled (n=673)
ny ocular TEAE, %	38.7	38.5	37.6	38.0
ataract, %	3.0	3.6	3.6	3.6
RF, %	3.3	3.0	1.5	2.2
0P increased, %	2.1	3.3	2.7	3.0
A reduced, %	6.0	3.6	5.3	4.5
etinal hemorrhage, %	4.2	3.3	3.0	3.1
itreous floaters, %	3.3	1.2	3.6	2.4
Most Frequent Ocular AEs Through Wk 48 ²	Aflibercept 2 mg q8wª		Aflibercept 8 mg pooled ^a	
atients with ≥1 IOI AE, %	2.1		1.3	

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