# SPECTRUM: Early global real-world results with aflibercept 8 mg in patients with previously treated neovascular age-related macular degeneration

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### **Disclosures**

- Louise Downey: Honoraria from AbbVie, Alimera Sciences, Bayer, Novartis, and Roche; and has served on advisory boards for AbbVie, Alimera, Bayer, Biogen, Novartis, and Roche.
- **CB:** Received honoraria from Alimera Sciences, Apellis, Bayer, and Roche; and has served on advisory boards for Apellis, Bayer, Boehringer Ingelheim, Janssen, and Roche CL: Receives honoraria from Apellis, Bayer, Biogen, and Novartis. **VC:** Consulting fees from EyePoint; receives grants from Bayer, Novartis, Roche; and serves on advisory boards for Alcon, Apellis, Bayer, Boehringer Ingelheim, Novartis, and Roche. PL: Consultant for Aerie Pharmaceuticals, Allergan, Annexon, Apellis, Bausch + Lomb, Bayer, Biogen, Boehringer Ingelheim, Eyepoint, Genentech, I-Care, Novartis, Ocular Therapeutix, Outlook Therapeutics, and Roche. HO: Consultant for AbbVie, Bayer, Novartis, and Roche. MK and TM: Employees of Bayer AG. HA, XZ, and ZH: Employees of Bayer Consumer Care AG. MRM: Consulting fees from AbbVie, Allergan, Apellis, Aviceda Therapeutics, Bayer, Boehringer Ingelheim, Dandelion, EyePoint, Gensight, Isarna Therapeutics, Iveric Bio, Kubota, Lumithera, Novartis, Ocuterra, Oculis, Ocular Therapeutix, RetinAI, Roche, and Zeiss
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## SPECTRUM: Global real-world study of aflibercept 8 mg

#### A 24-month, non-interventional country and global cohort study planned in 18 countries



#### 2 indications, 4 patient cohorts

Treatment-naïve **nAMD** and previously treated **nAMD**Treatment-naïve **DME** and previously treated **DME** 



#### Primary endpoint: Change in VA from BL to Month 12

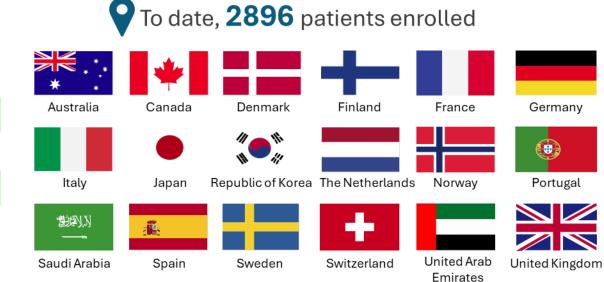
#### Secondary endpoints include:



Change in VA and CRT from BL to Month 6



Number of injections, visits, and safety from BL to Month 6



#### **SPECTRUM** inclusion criteria



**Population** 

nAMD cohorts

Aged ≥50 years

DME cohorts

Aged ≥18 years with type 1 or type 2 diabetes mellitus



**Diagnosis** 

A diagnosis of nAMD

A diagnosis of DME



**Treatment** 

Patients across all cohorts had to have been prescribed aflibercept 8 mg as part of routine clinical practice

#### All patients were categorized as being either:

#### Treatment-naïve

Never been exposed to any medical treatment for nAMD/DME

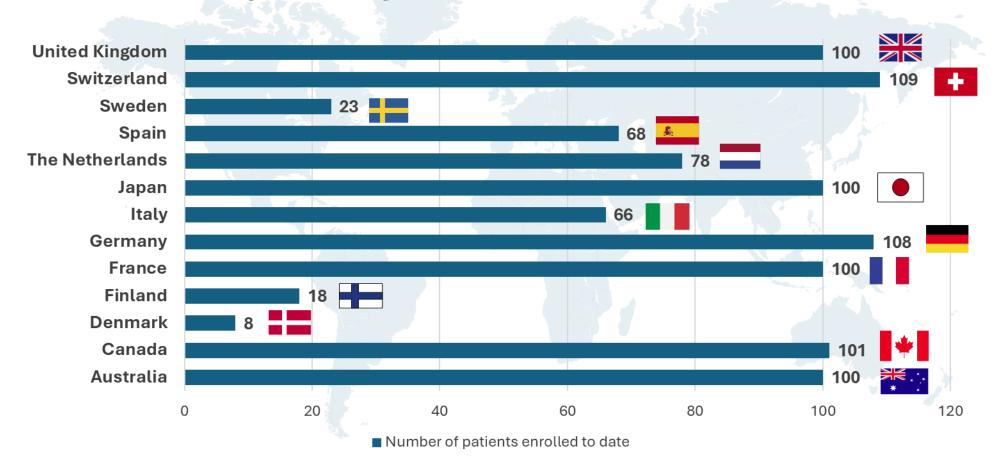
#### Previously treated

Received prior treatment, including other anti-VEGFs, up to prespecified timepoints before study start

# **M** Enrollment overview



To date, **979** out of **1110 (88%)** planned patients have been enrolled in the **previously treated nAMD** cohort (as of May 30, 2025)



# Early outcomes in the first ~100 patients with previously treated nAMD who had a visit and VA assessment at <a href="Week 4">Week 4</a>



## R Baseline characteristics: Previously treated nAMD

#### Analysis of patients with a VA assessment at Week 4a

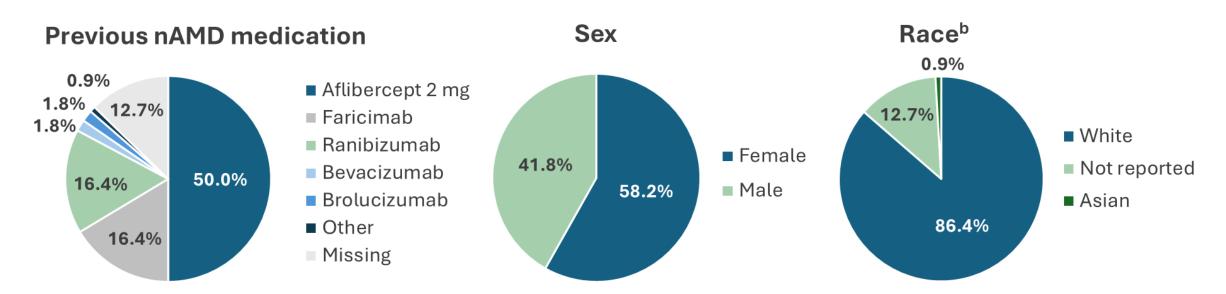
Total: 110 patients

**Mean age:** 80.2 ± 8.1 years

Median (min, max) time from nAMD diagnosis: 31.5 (1.3, 178.7) months

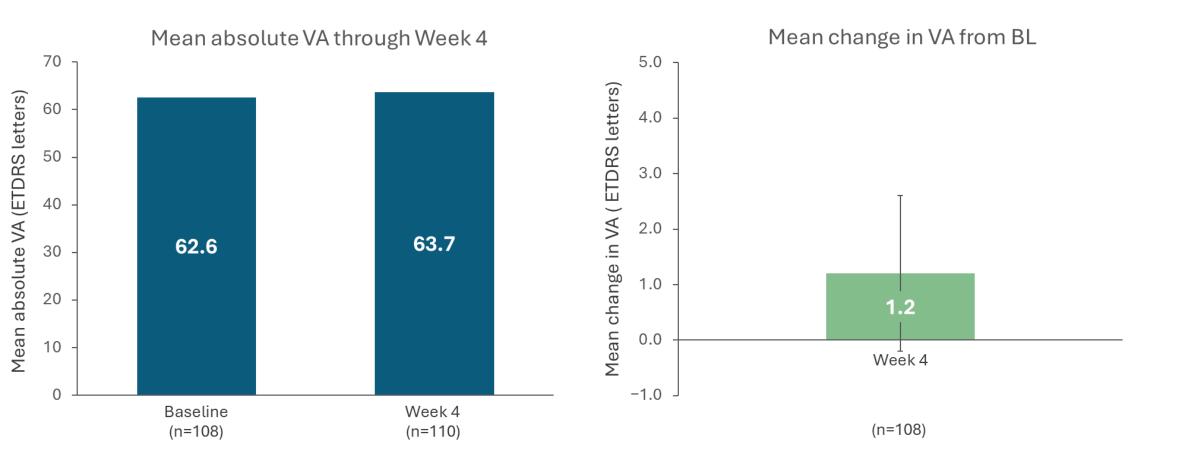
Mean baseline VA: 62.6 ± 19.3 ETDRS letters

**Mean baseline CRT:** 321 ± 102 μm

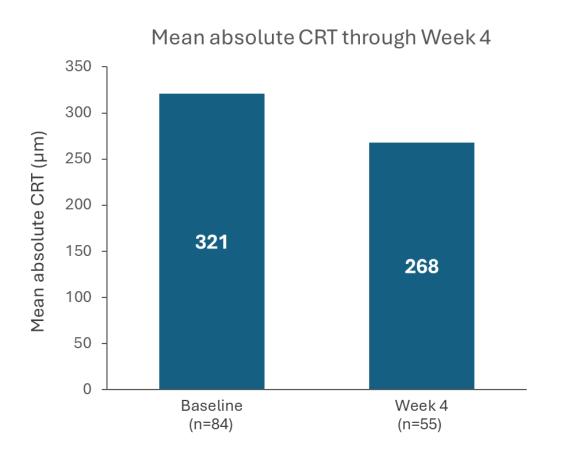


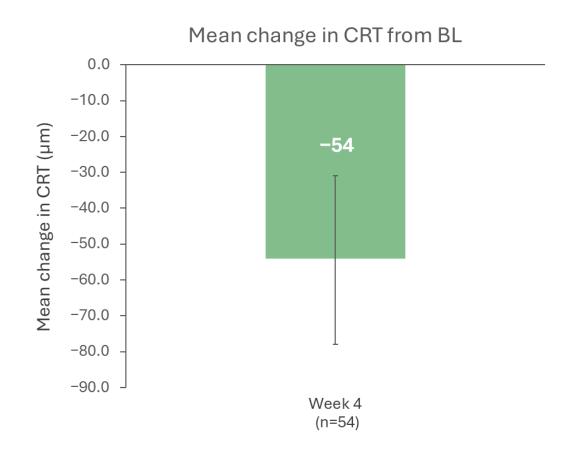
FAS. Percentages may not add up to 100 due to rounding.

# Key endpoint: VA through Week 4



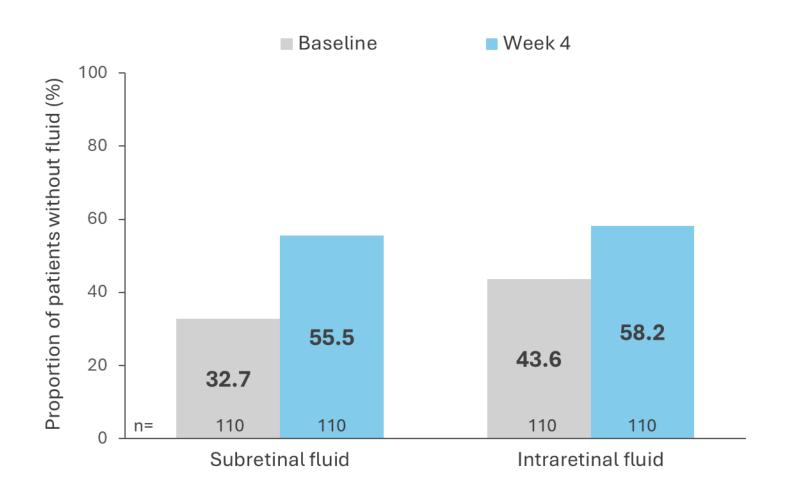
# CRT through Week 4







# Proportion of patients without fluid through Week 4



# Safety overview: Adverse events

Ocular safety in the study eye	Total (N=110)
Ocular TEAEs, n (%)	6 (5.5)
Serious ocular TEAEs, n (%)	1 (0.9)



No non-ocular TEAEs were reported

# Early outcomes in the first ~100 patients with previously treated nAMD who had a visit and VA assessment at <a href="Week 8">Week 8</a>



## R Baseline characteristics: Previously treated nAMD

#### Analysis of patients with a VA assessment at Week 8a

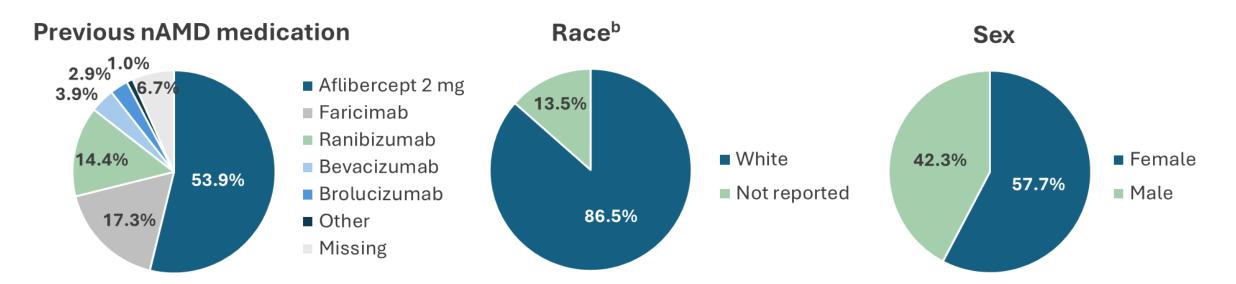
**Total:** 104 patients

**Mean age:** 79.5 ± 7.3 years

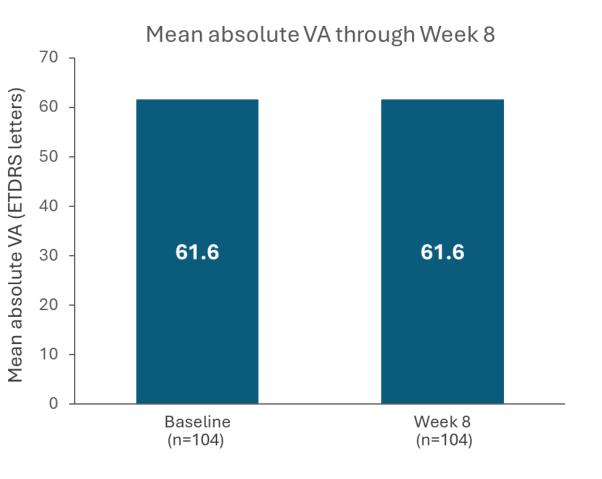
Median (min, max) time from nAMD diagnosis: 36.9 (1.4, 178.9) months

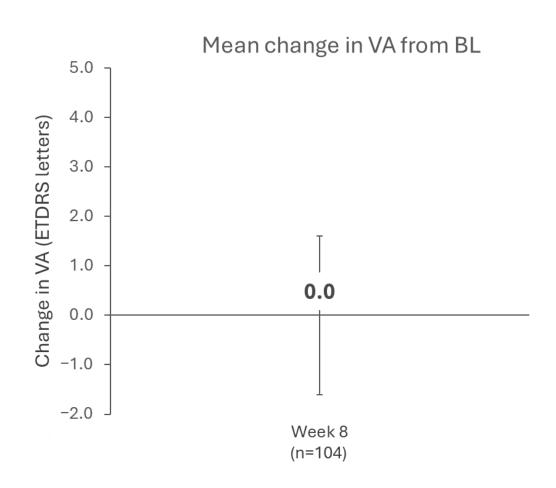
Mean baseline VA: 61.6 ± 19.4 ETDRS letters

**Mean baseline CRT:** 316 ± 102 μm

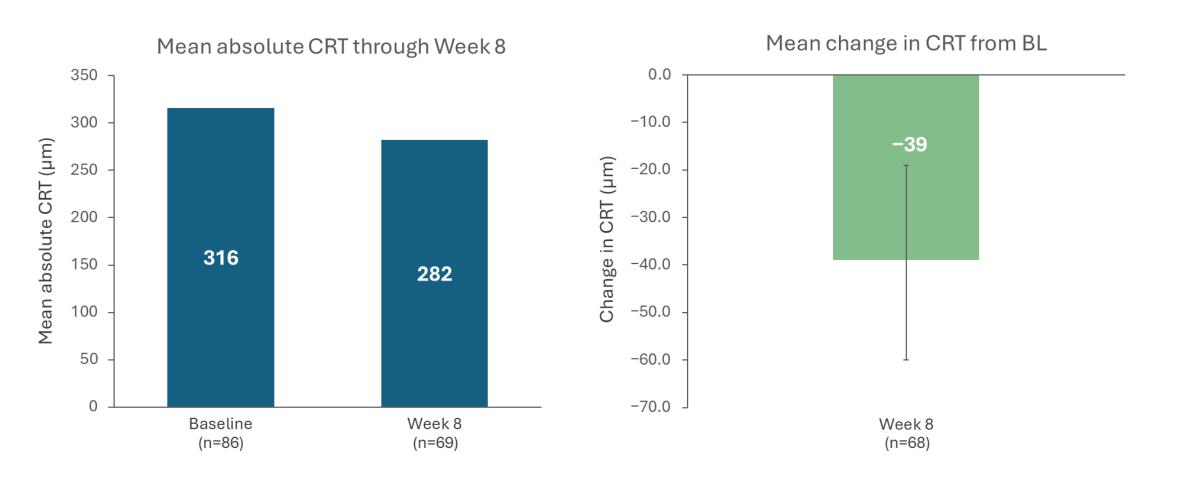


# Key endpoint: VA through Week 8



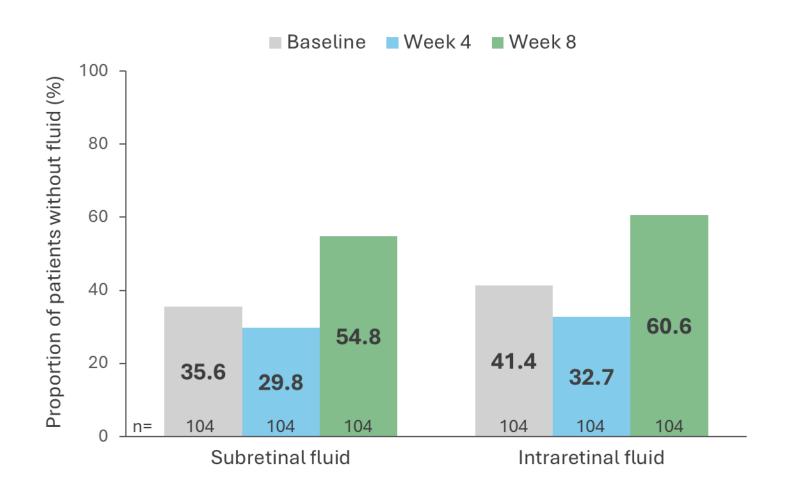


# **CRT through Week 8**





# Proportion of patients without fluid through Week 8



Total (N=104)	Ocular safety in the study eye
4 (3.9)	Ocular TEAEs, n (%)
0	Serious ocular TEAEs, n (%)



No non-ocular TEAEs were reported

Data are from the SAF.

# Early findings from SPECTRUM support the real-world effectiveness and safety of aflibercept 8 mg in the treatment of previously treated nAMD



More than **2800** patients enrolled in SPECTRUM across **17 countries** to date



More than 900 patients enrolled in the previously treated nAMD cohort across 13 countries to date



#### Early clinical outcomes at Week 4/Week 8

 Stable VA and reduced CRT following switch to aflibercept 8 mg



#### Safety outcomes at Week 4/Week 8

No new safety signals identified



As the **first global real-world study of aflibercept 8 mg**, early findings from SPECTRUM will help **inform clinical management** of previously treated nAMD in patients receiving aflibercept 8 mg

Month 6 data will be presented in 2025, with Month 12 and Month 24 analyses on track