



# **SPECTRUM: Early clinical experience from the first global real-world study of aflibercept 8 mg in patients with previously treated diabetic macular edema**

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# SPECTRUM

## Disclosures

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

A 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** and **visits**, and **safety** through Month 6

To date, **2149** patients enrolled



Australia



Canada



Denmark



Finland



France



Germany



Italy



Japan



Republic of Korea



Netherlands



Norway



Portugal



Saudi Arabia



Spain



Sweden



Switzerland



United Arab  
Emirates



United Kingdom

BL, baseline; CRT, central retinal thickness; DME, diabetic macular edema; nAMD, neovascular age-related macular degeneration; VA, visual acuity.




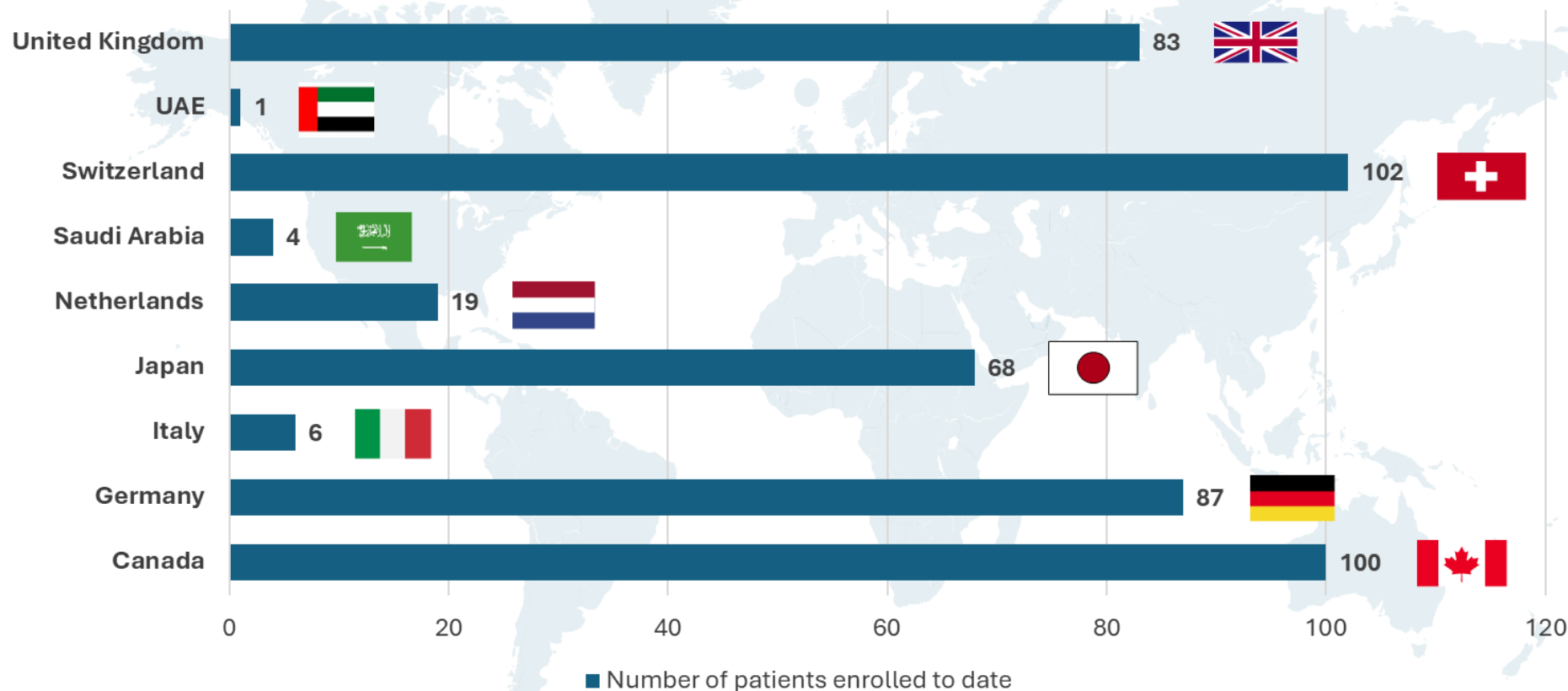
# **SPECTRUM: Global real-world study of aflibercept 8 mg**

**This presentation describes an overview of the study design, enrollment status, and interim baseline characteristics of the previously treated DME cohort**



# Enrollment overview

 To date, **470** out of **775 (61%)** planned patients have been enrolled in the **previously treated DME** cohort



UAE, United Arab Emirates.



# Baseline characteristics: Previously treated DME

## Baseline characteristics of the first 150 patients enrolled<sup>a</sup>

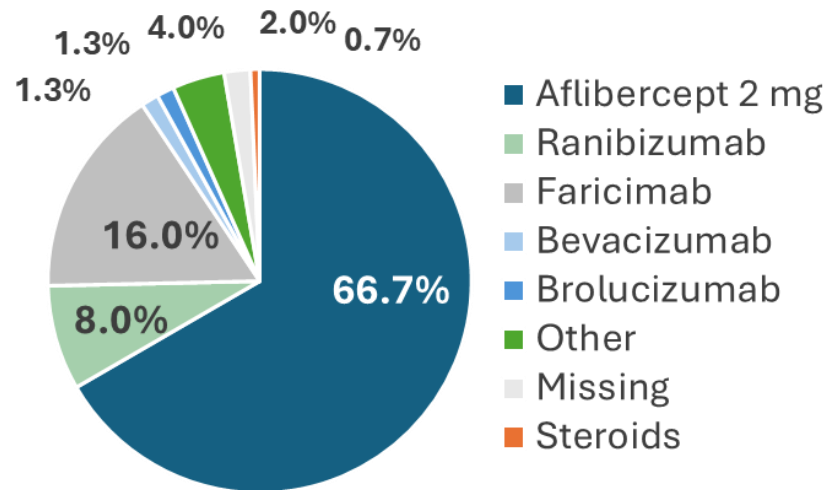
**Mean age:** 65.3 ± 11.4 years

**Median (min, max) time from DME diagnosis:** 44.5 (2.1, 411.1) months

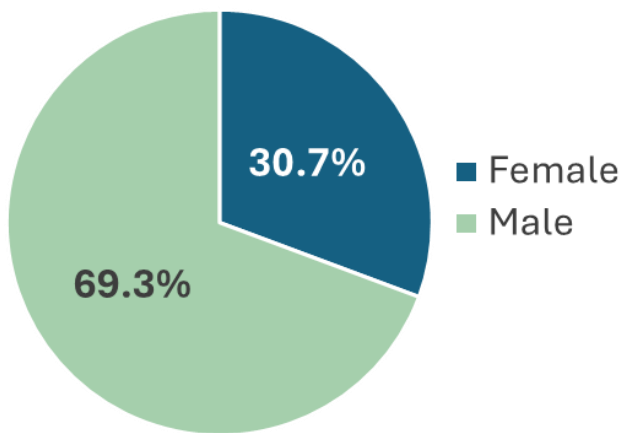
**Mean baseline VA:** 70.2 ± 13.8 ETDRS letters

**Mean baseline CRT:** 364 ± 133 µm

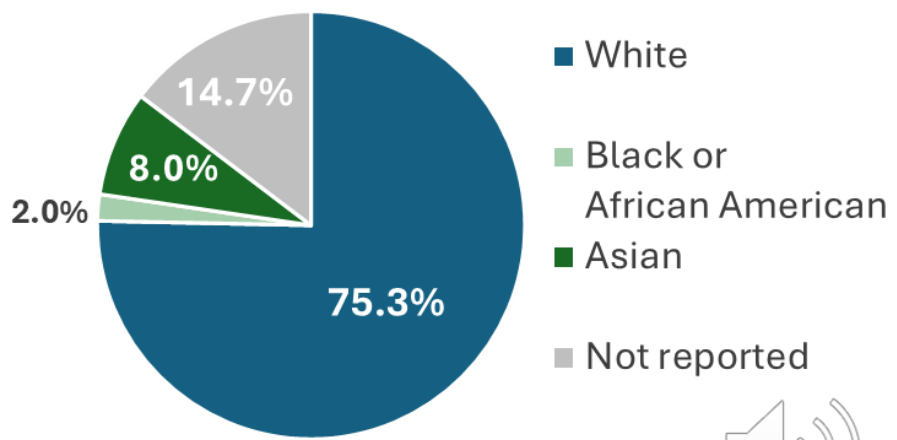
### Previous DME medication



### Sex



### Race<sup>b</sup>

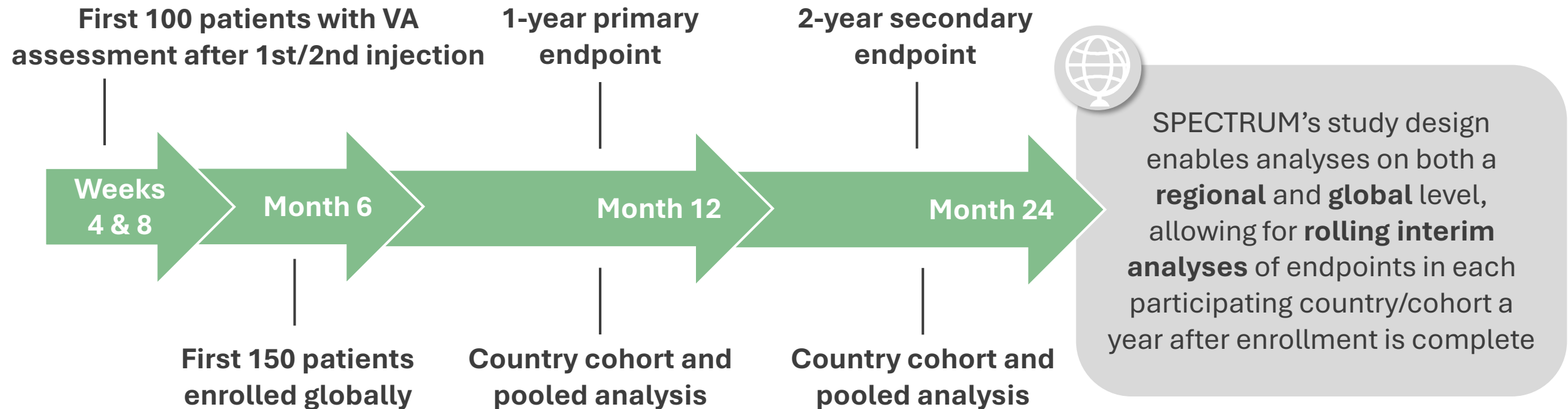


FAS. Percentages may not add up to 100 due to rounding.

<sup>a</sup>Data are mean ± SD unless otherwise indicated. <sup>b</sup>Data on race were collected for Australia, Canada, Germany, Italy, Japan, Portugal, South Korea, Saudi Arabia, Spain, Switzerland, United Arab Emirates, and the UK only. ETDRS, Early Treatment Diabetic Retinopathy Study; FAS, full analysis set; UK, United Kingdom.



# Timeline and planned analyses

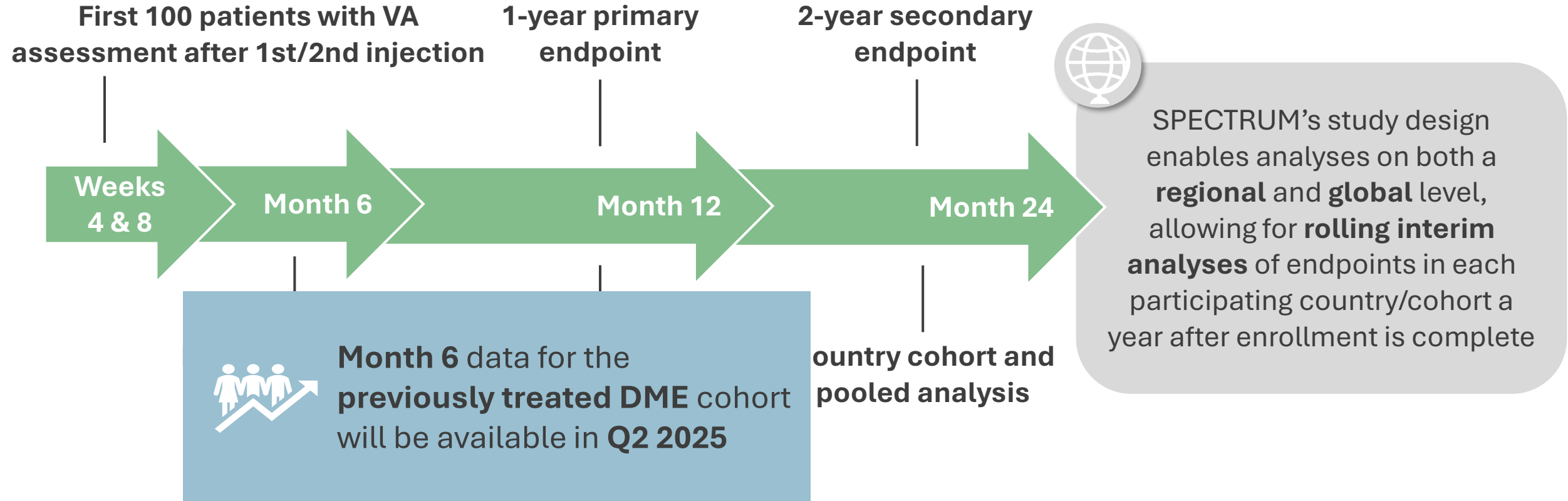


All analyses will be exploratory and descriptive in nature





# Timeline and planned analyses

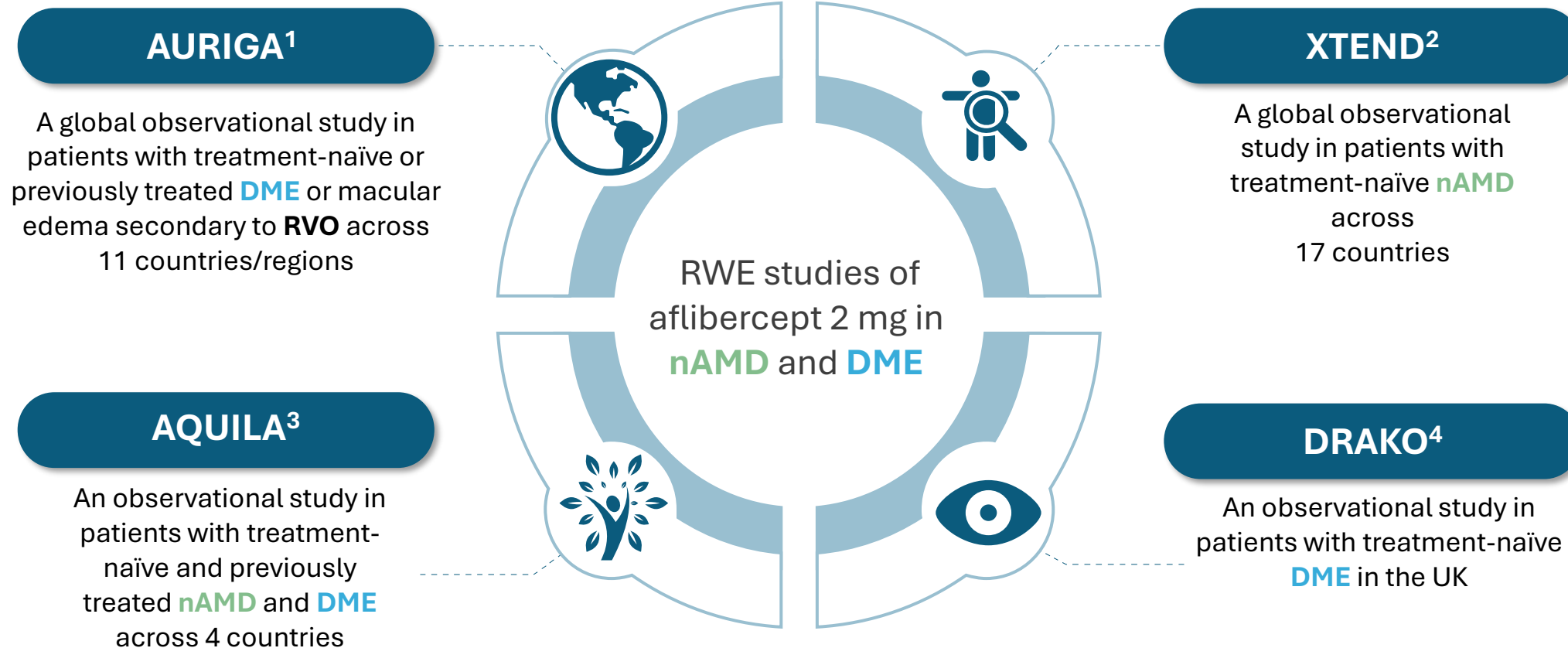


All analyses will be exploratory and descriptive in nature





# Building on prior RWE experience



Other observational studies of aflibercept 2 mg have included APOLLON (France), PERSEUS (Germany), and PERSEUS-IT (Italy). RVO, retinal vein occlusion; RWE, real-world evidence.

1. Donati S, et al. *Ophthalmol Ther*. 2023;13(1):161–178; 2. Korobelnik JF, et al. *Ophthalmol Ther*. 2024;13(3):725–738;

3. Rodríguez FJ, et al. *Int J retina Vitreous*. 2022;8(1):52; 4. Sivaprasad S, et al. *Eye (Lond)*. 2023;37(12):2527–2534;





# Conclusions



This initial report provides insights into the **baseline characteristics (including VA, CRT, and prior DME medications)** of the **first 150 patients** enrolled in the **previously treated DME** cohort



As the **first global real-world study** on aflibercept 8 mg, the **SPECTRUM** study will generate a **wealth of long-term data** on the real-world **effectiveness and safety** of **aflibercept 8 mg** in **nAMD and DME** across geographically and clinically **diverse patient populations**



To date, **470 patients** have been enrolled in the previously treated DME cohort (longest treatment duration of 14 months), and the **first set of evaluations** are underway