

SPECTRUM: Early global real-world results with aflibercept 8 mg in patients with treatment-naïve diabetic macular edema

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Disclosures

- **Gabriela Grimaldi:** Consultant and lecturer for AbbVie, Apellis, Bayer, and Roche; and has received grants from Bayer and Roche
- **AL:** Serves on advisory boards for Advanz Pharma, Bayer, GSK, Nordic Pharma, and Roche; and receives honoraria from Bayer and Roche. **HO:** Consultant for AbbVie, Bayer, 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. **PL:** 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. **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. **MRM:** Consulting fees from AbbVie, Allergan, Apellis, Aviceda Therapeutics, Bayer, Boehringer Ingelheim, Dandelion, EyePoint, Gensight, Isarna Therapeutics, Iveric BioKubota, Lumithera, Novartis, Oculis, Ocuterra, Ocular Therapeutix, RetinAI, Roche, and Zeis. **TM:** Employee of Bayer AG. **HA** and **PM-W:** Employees of Bayer Consumer Care AG. **CL:** Receives honoraria from Apellis, Bayer, Biogen, and Novartis
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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, **2896** 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

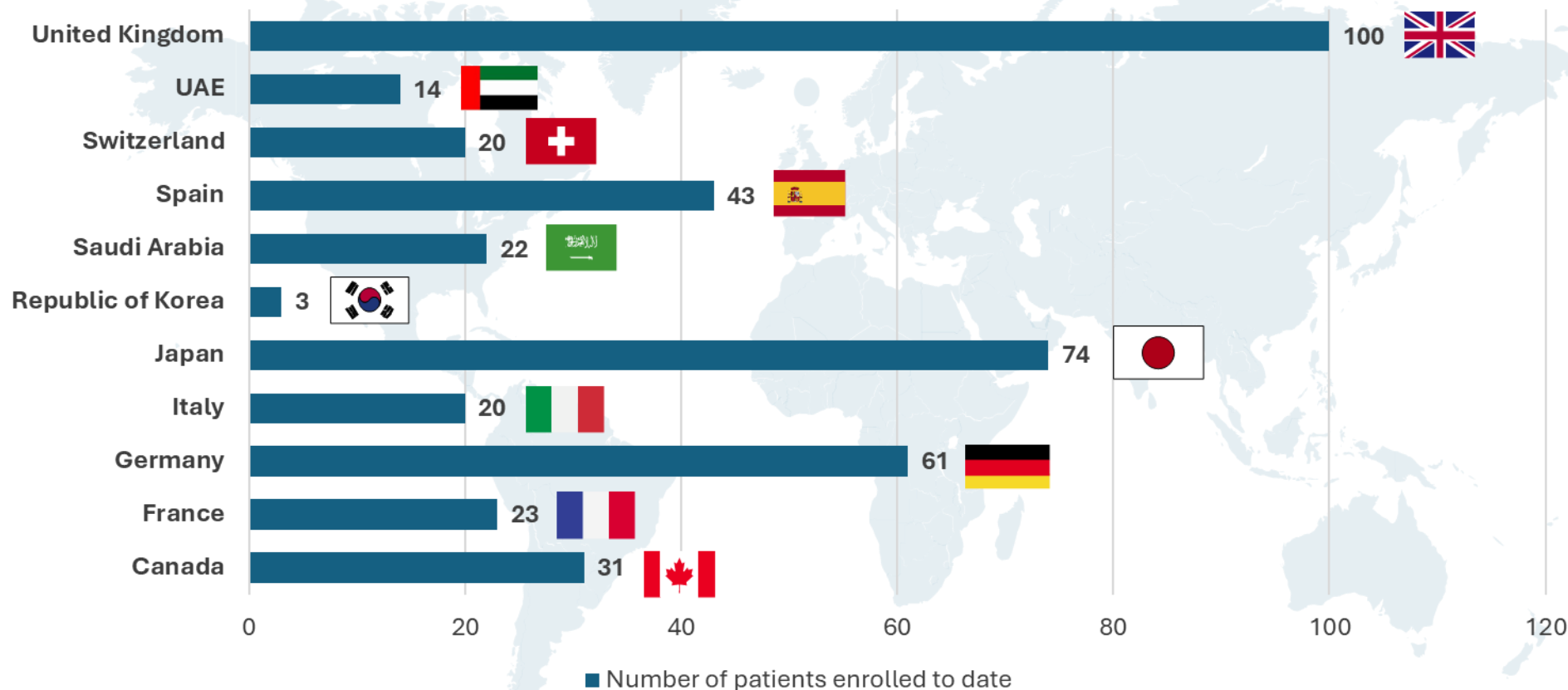
**This presentation describes an overview of the
study design, enrollment status, and interim
baseline characteristics of the
treatment-naïve DME cohort**



Enrollment overview



To date, **411** out of **950 (43%)** planned patients have been enrolled in the **treatment-naïve DME** cohort (as of May 30, 2025)



UAE, United Arab Emirates.



Baseline characteristics: Treatment-naïve DME

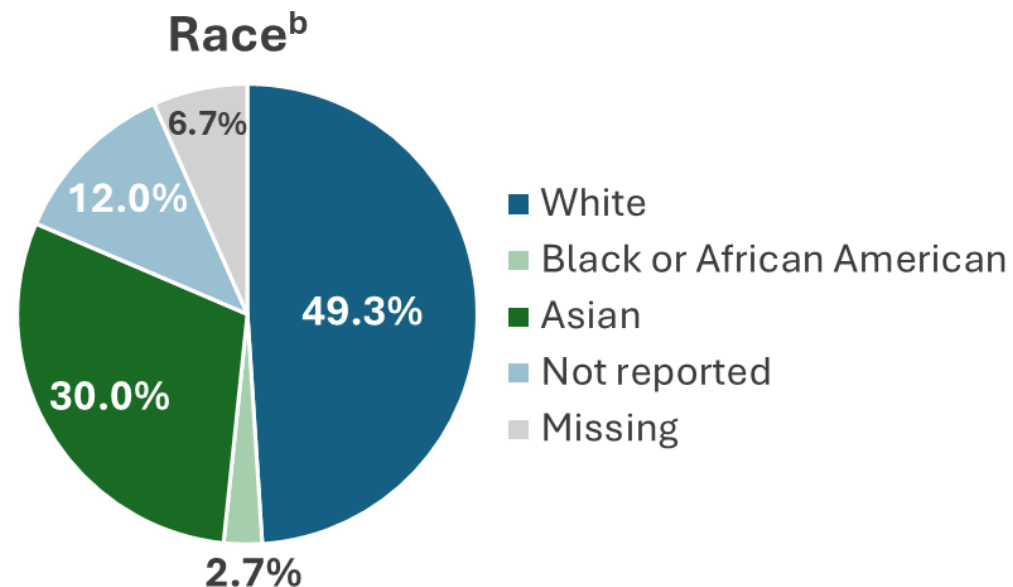
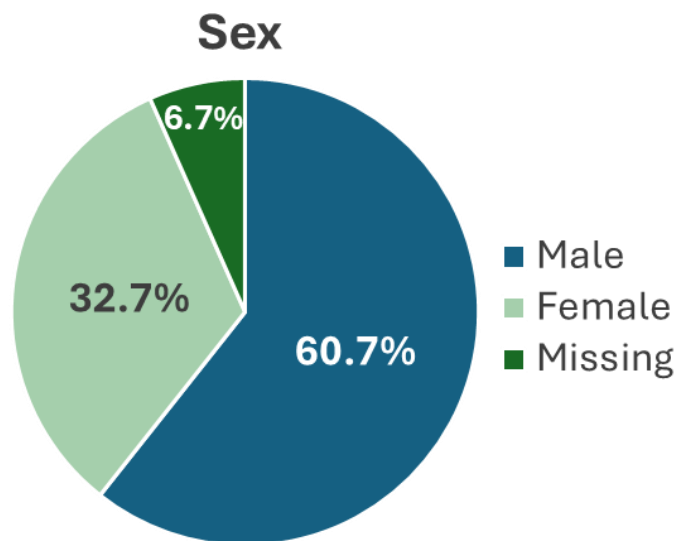
Baseline characteristics of the first 150 patients enrolled^a

Mean age: 66.3 ± 11.2 years

Median (min, max) time from DME diagnosis: 0.5 (0.0, 109.2) months

Mean baseline VA: 63.5 ± 15.9 ETDRS letters

Mean baseline CRT: 420 ± 109 μm

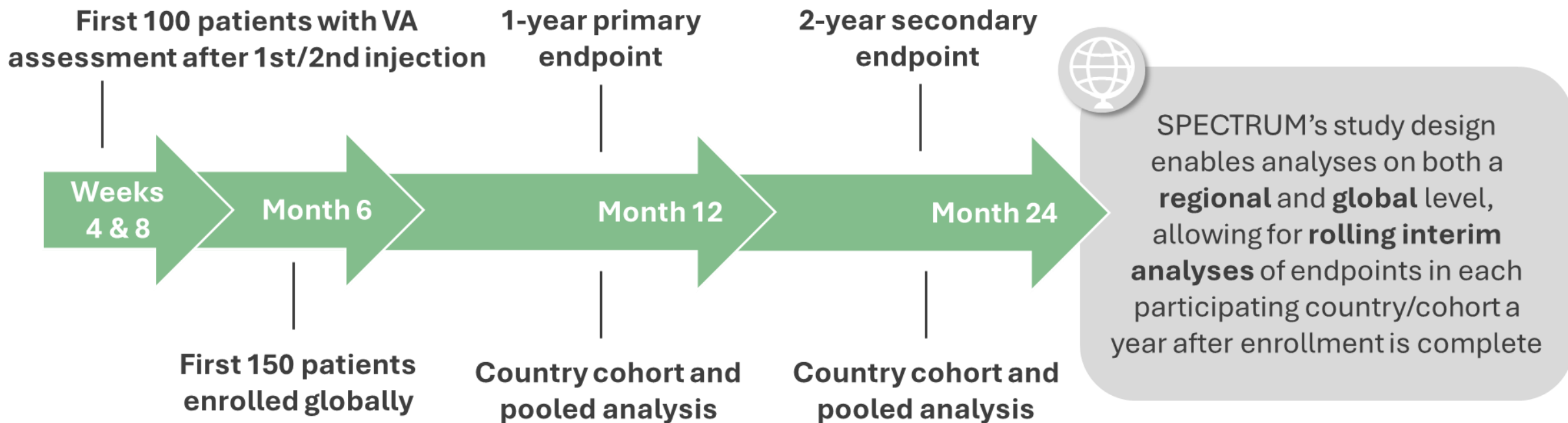


FAS. Percentages may not add up to 100 due to rounding.

^aData are mean \pm SD unless otherwise indicated. ^bData 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.

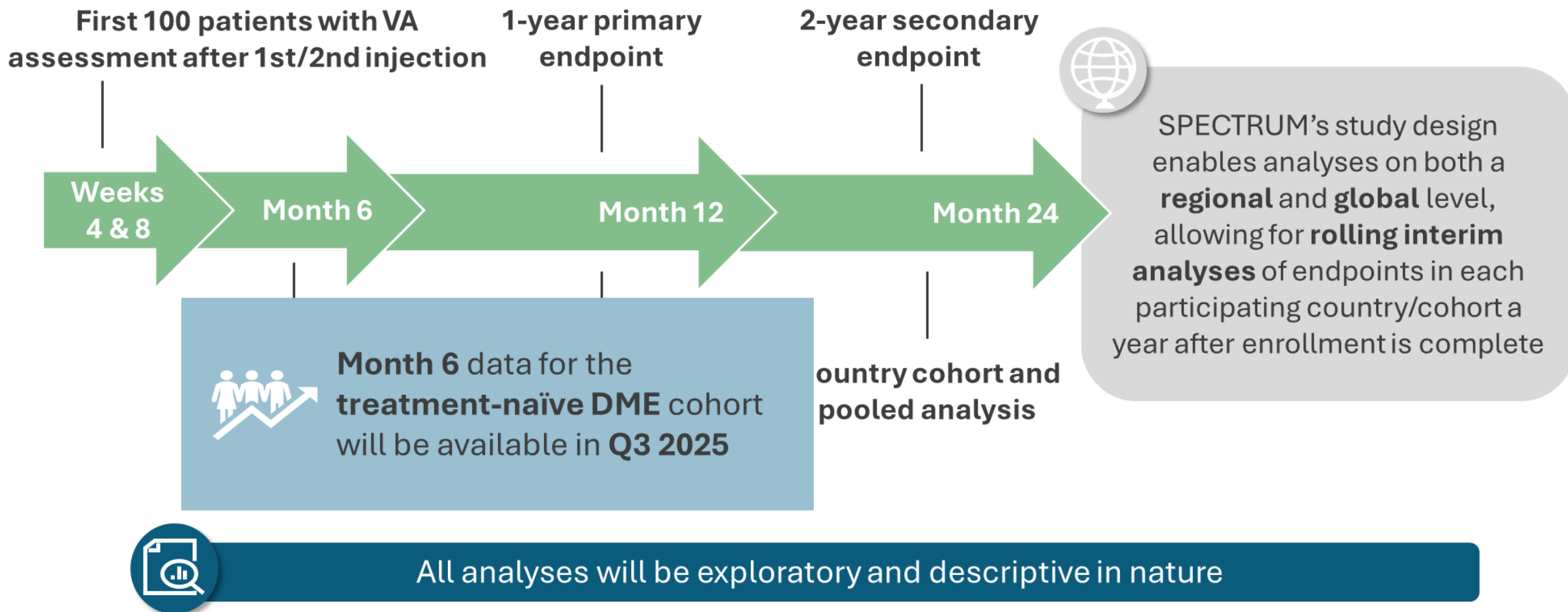


Timeline and planned analyses



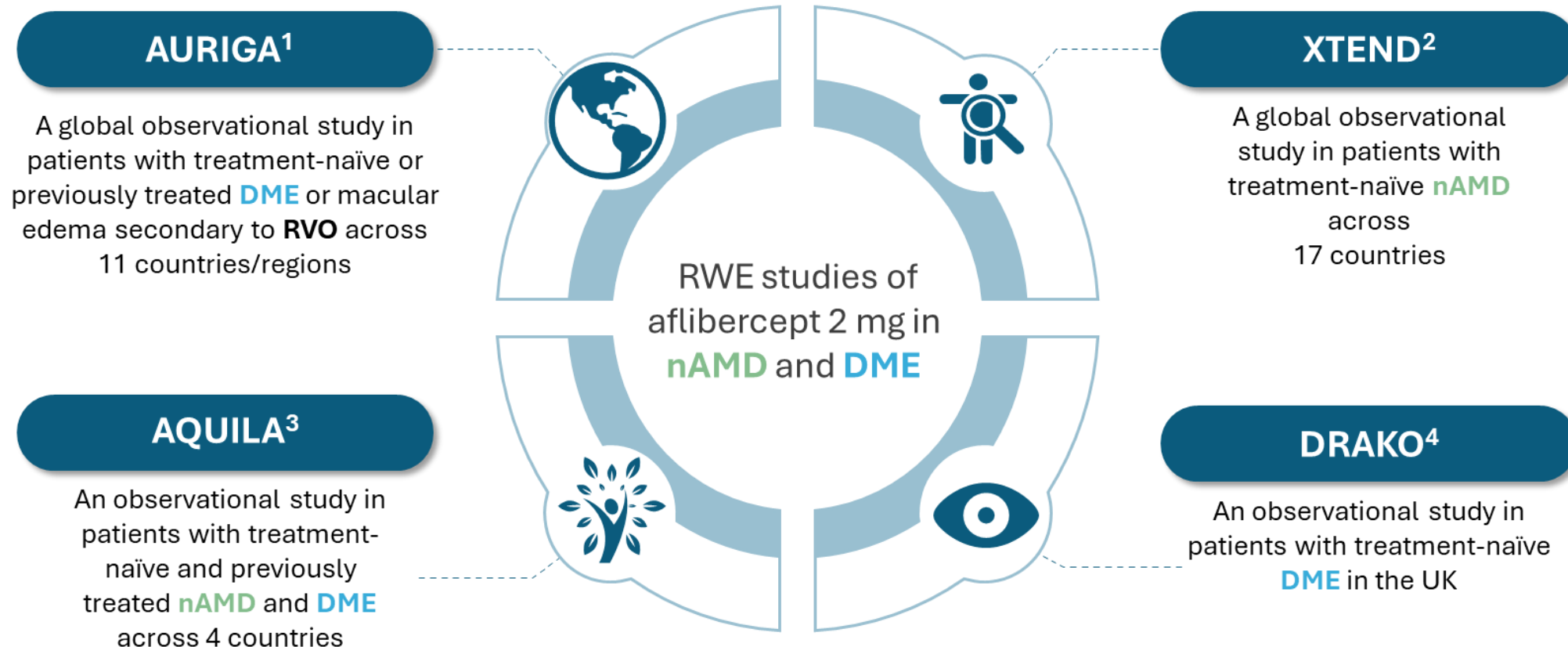
All analyses will be exploratory and descriptive in nature

Timeline and planned analyses





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 and CRT)** of the **first 150 patients** enrolled in the **treatment-naïve 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, **411 patients** have been enrolled in the treatment-naïve DME cohort (longest treatment duration of 16 months), and the **first set of evaluations** are underway