

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

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Disclosures

- **Cynthia Qian:** Consultant for AbbVie, Apellis, Astellas, Bausch and Lomb, Bayer, Biogen, Novartis, and Roche.
 - **TD:** Receives honoraria from Bayer. **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:** Received 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:** Consultant at EyePoint; receives grants from Bayer, Novartis, Roche; and serves on the advisory boards of Alcon, Apellis, Bayer, Boehringer Ingelheim, Novartis, and Roche.
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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

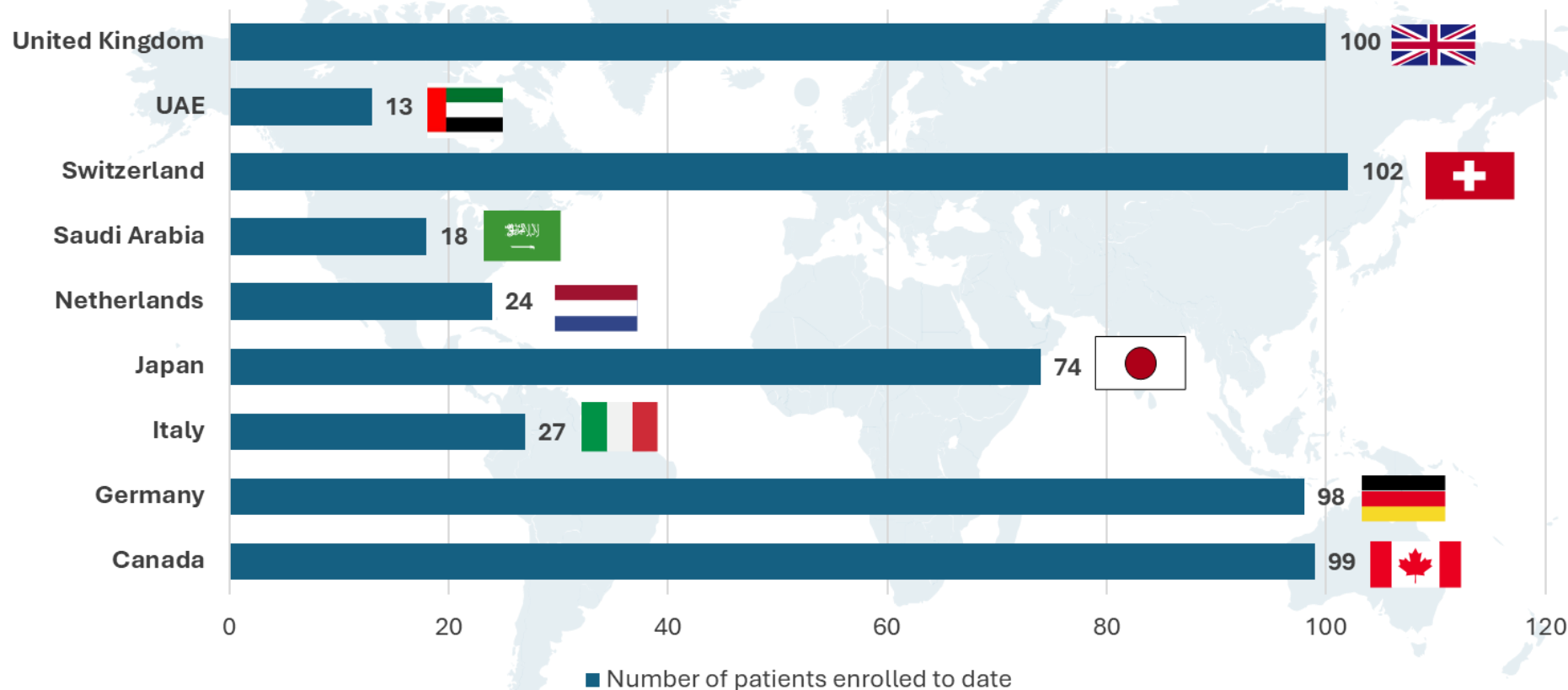


United Kingdom

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

Enrollment overview

 To date, **555** out of **775 (72%)** planned patients have been enrolled in the **previously treated DME** cohort (as of May 30, 2025)



UAE, United Arab Emirates.

Baseline characteristics: Previously treated DME

Baseline characteristics of the first 150 patients enrolled^a

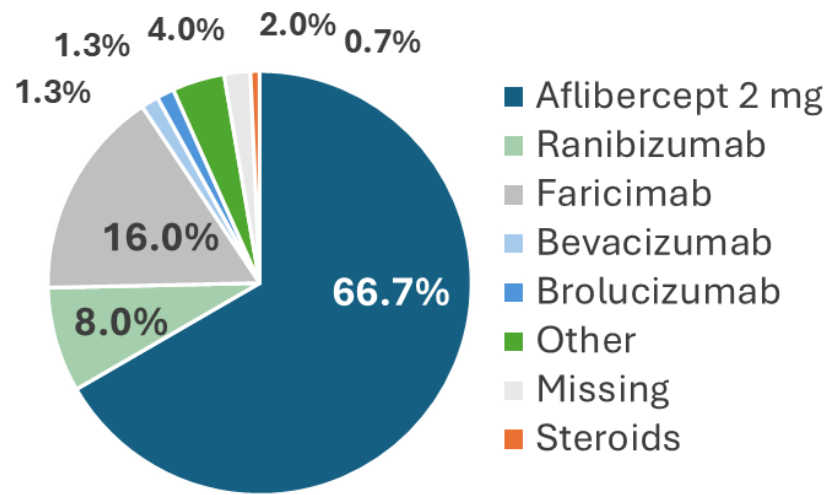
Mean age: 65.3 ± 11.4 years

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

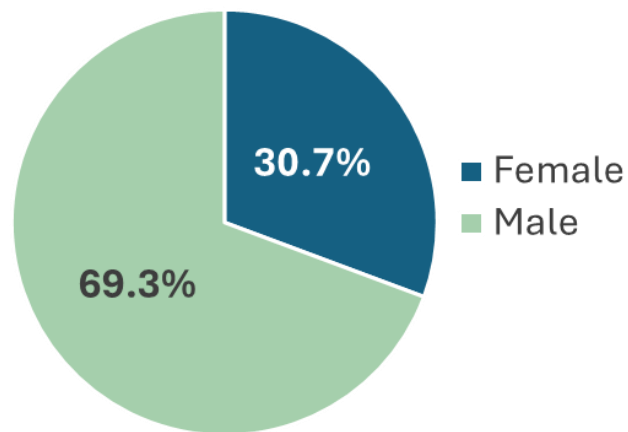
Mean baseline VA: 70.2 ± 13.8 ETDRS letters

Mean baseline CRT: 364 ± 133 μm

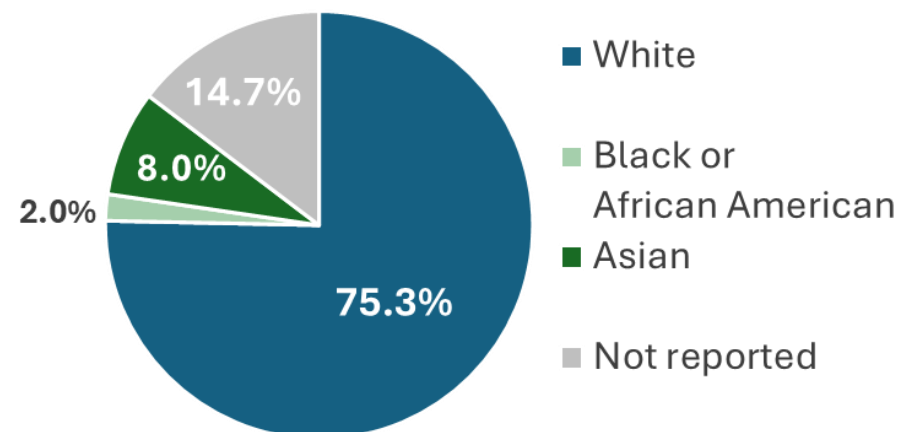
Previous DME medication



Sex



Race^b

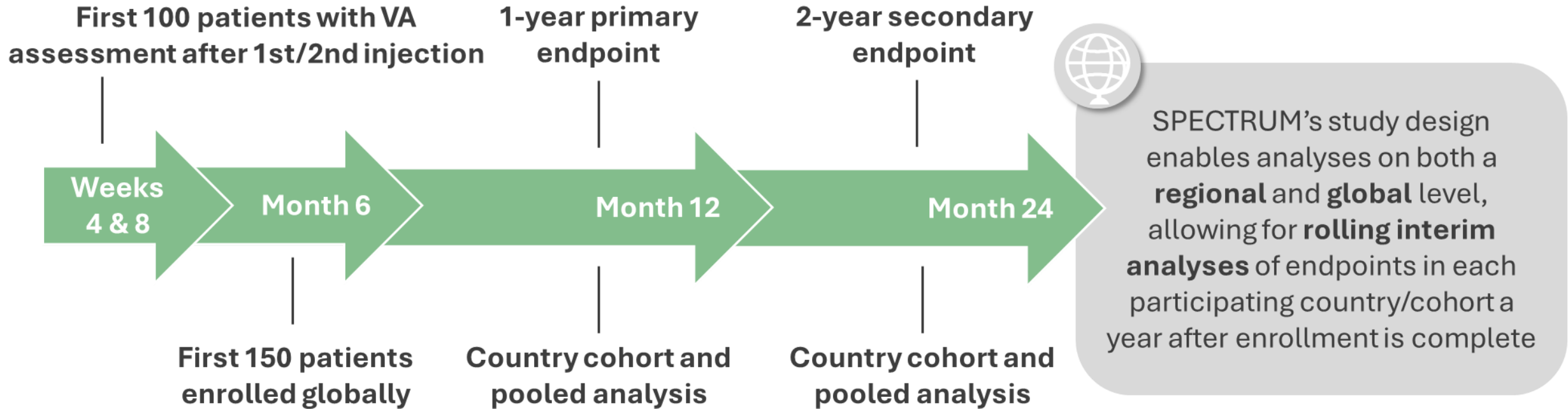


FAS. Percentages may not add up to 100 due to rounding.

^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.

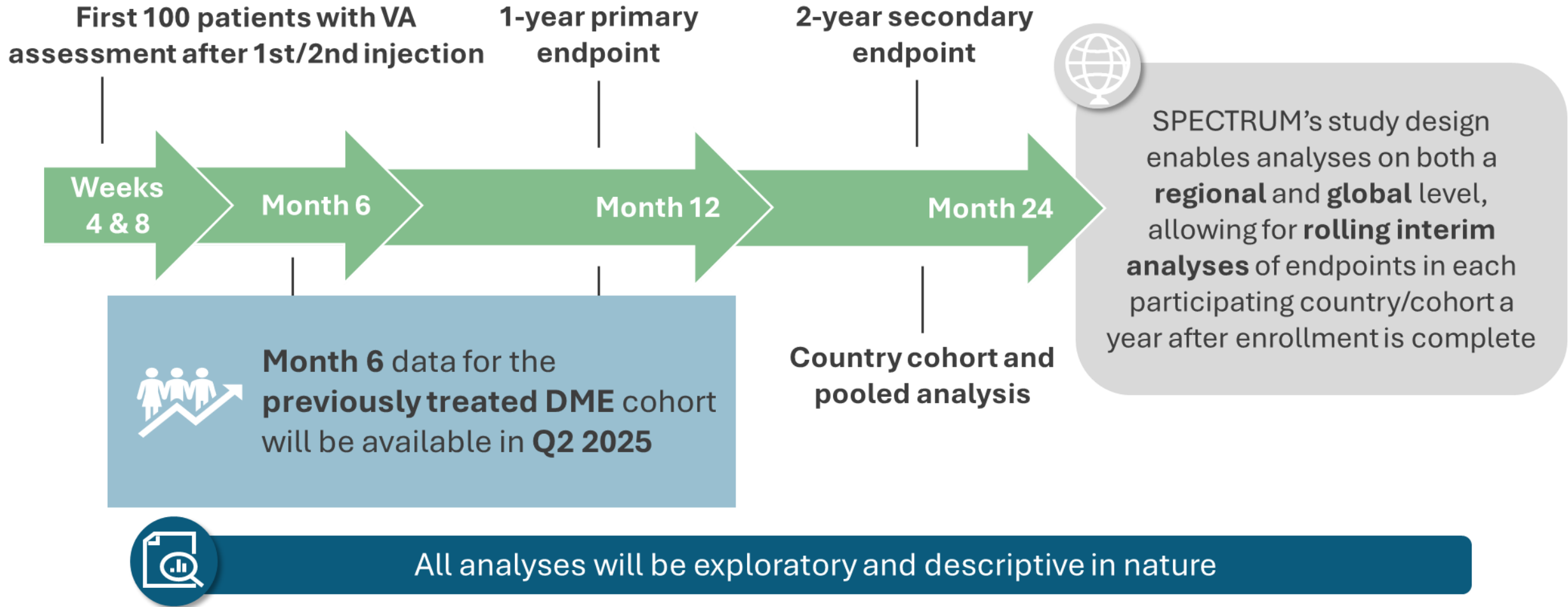
ETDRS, Early Treatment Diabetic Retinopathy Study; FAS, full analysis set; UK, United Kingdom.

Timeline and planned analyses



All analyses will be exploratory and descriptive in nature

Timeline and planned analyses





Building on prior RWE experience

AURIGA¹

A global observational study in patients with treatment-naïve or previously treated **DME** or macular edema secondary to **RVO** across 11 countries/regions

AQUILA³

An observational study in patients with treatment-naïve and previously treated **nAMD** and **DME** across 4 countries

XTEND²

A global observational study in patients with treatment-naïve **nAMD** across 17 countries

DRAKO⁴

An observational study in patients with treatment-naïve **DME** in the UK

RWE studies of aflibercept 2 mg in **nAMD** and **DME**

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, **555 patients** have been enrolled in the previously treated DME cohort (longest treatment duration of 16 months), and the **first set of evaluations** are underway