Efficacy And Safety of Garadacimab Via Autoinjector/Pre-Filled Pen For Hereditary Angioedema Long-Term Prophylaxis – Interim Results From A Phase 3 Open-Label Extension Study

Philip Li¹, F. Ida Hsu², Michael E. Manning³, Henriette Farkas⁴, Constance Katelaris⁵, Avner Reshef⁶, Maressa Pollen⁷, John-Philip Lawo⁸, Harsha Shetty⁷, Timothy J. Craig^{9,10}

60% attack-free

um windogy, Allergy & Immunology, Department of Medicine, Vale University of Hong Kong; 2Section of Rheumatology, Allergy & Immunology, Department of Medicine, Vale University School of Medicine, Vale University of Hong Kong; 2Section of Rheumatology, Asthma & Immunology, Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University School of Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Hong Kong; 4Department of Internal Medicine, Vale University of Int <mark>. and Haematology, Hungarian Angioedema Center, Barzilai University, Budapest, Hungary; 5Campbelltown Hospital, and Western Sydney, Immunology, and Immunology, Inscribity, Budapest, Hungary; 5Campbelltown Hospital, and Western Sydney, Immunology, Inscribity, Budapest, Hungary; 5Campbelltown Hospital, Ashkelon, Israel; 7CSL Behring, King of Prussia, PA, USA; 8CSL Innovation GmbH, Marburg, Germany; 9Allergy and Immunology, Inscribity, Budapest, Hungary; 5Campbelltown Hospital, Ashkelon, Israel; 7CSL Behring, King of Prussia, PA, USA; 8CSL Innovation GmbH, Marburg, Germany; 9Allergy and Immunology, Inscribity, Budapest, Hungary; 5Campbelltown Hospital, Ashkelon, Israel; 7CSL Behring, King of Prussia, PA, USA; 8CSL Innovation GmbH, Marburg, Germany; 9Allergy and Immunology, Inscribity, Budapest, Hungary; 5Campbelltown Hospital, Ashkelon, Israel; 7CSL Behring, King of Prussia, PA, USA; 8CSL Innovation GmbH, Marburg, Germany; 9Allergy and Immunology, Inscription GmbH, Marburg, Semmelweis University, Budapest, Hungary; 9Allergy, Budapest, Budapest</mark> Department of Medicine, Pediatrics and Biomedical Sciences, Hershey, PA, USA; ¹⁰Vinmec International Hospital, Times City, Hanoi, Vietnam.



- Long-term prophylaxis with garadacimab administered via autoinjector/pre-filled pen (AI/PFP) showed durable protection against hereditary angioedema (HAE) attacks with a favorable safety profile
 Garadacimab administered via AI/PFP reduced the frequency of HAE attacks and use of on-demand treatment (ODT) versus run-in

BACKGROUND

- HAE causes recurrent, unpredictable, debilitating, and potentially life-threatening attacks^{1–5}
- Garadacimab is a first-in-class, fully human, anti-activated factor XII (FXIIa) monoclonal antibody under evaluation for the long-term prophylaxis of HAE attacks^{1,2,5}
- Garadacimab has demonstrated early and durable efficacy and favorable long-term safety profile when administered subcutaneously once-monthly via pre-filled syringe/needle safety device (PFS/NSD) in Phase 2, pivotal Phase 3 (VANGUARD), and Phase 3 open-label extension (OLE) studies^{1,2,6}
- Administration by AI/PFP may offer increased convenience allowing rapid, uniform dose delivery and providing ease of use for all patients including those of advanced age or with disabilities affecting strength and dexterity7-12

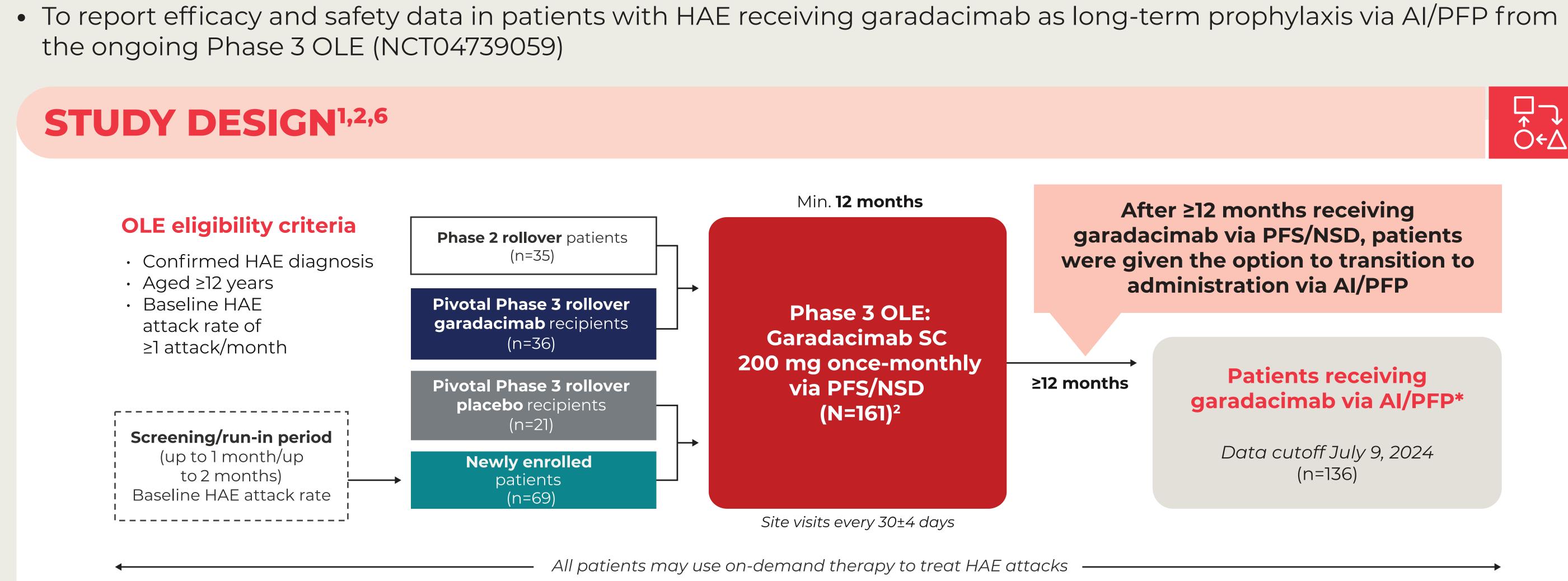
EFFICACY WITH PFS/NSD² Phase 3 OLE study (N=161) (secondary endpoints*; data cutoff February 13, 2023) Run-in 95% reduction in mean monthly **Phase 3 OLE ■ 0.16 ←**

attack rate

*The primary endpoint was long-term safety.

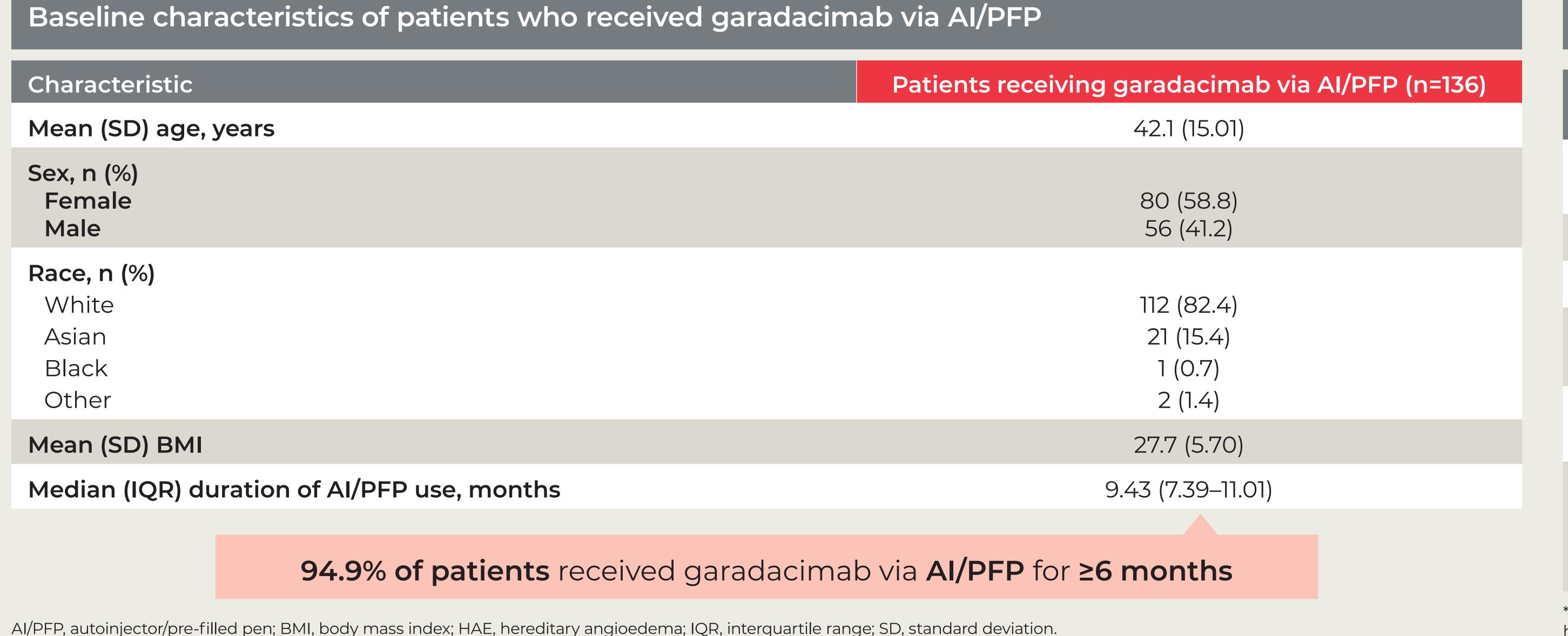
OBJECTIVE

the ongoing Phase 3 OLE (NCT04739059)

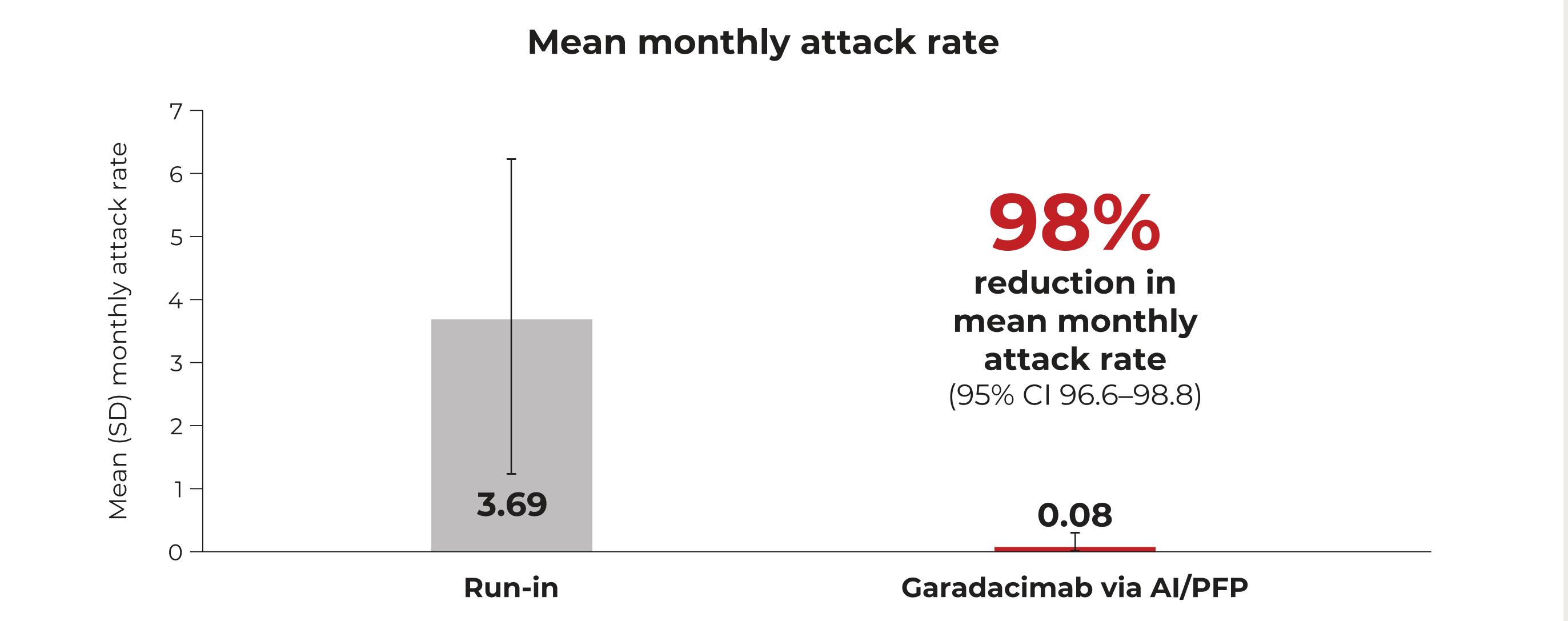


*At data cutoff of July 9, 2024, not all patients in the Phase 3 OLE had completed 12 months of the study, and therefore not all 161 patients were eligible to transition to AI/PFP.

AI/PFP, autoinjector/pre-filled pen; HAE, hereditary angioedema; OLE, open-label extension; PFS/NSD, pre-filled syringe/needle safety device; SC, subcutaneous.



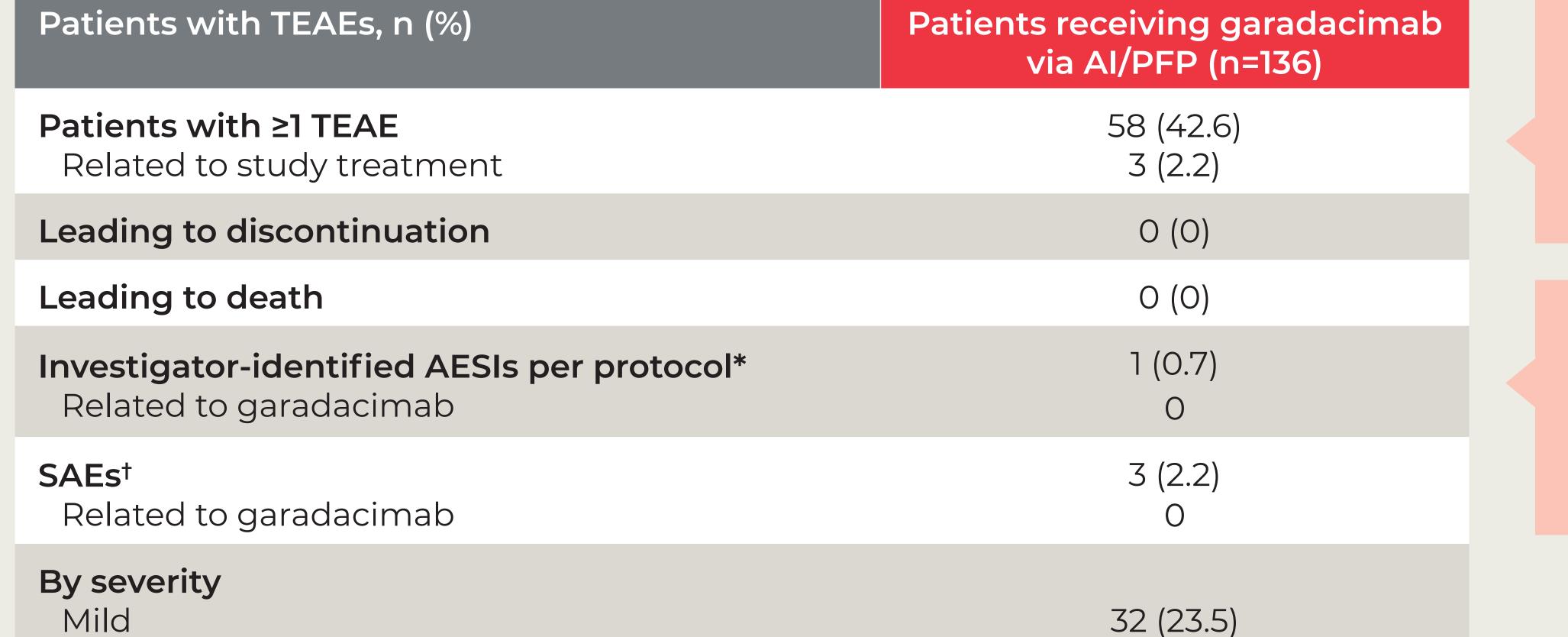




AI/PFP, autoinjector/pre-filled pen; CI, confidence interval; HAE, hereditary angioedema; SD, standard deviation.

Safety profile of garadacimab administered via AI/PFP

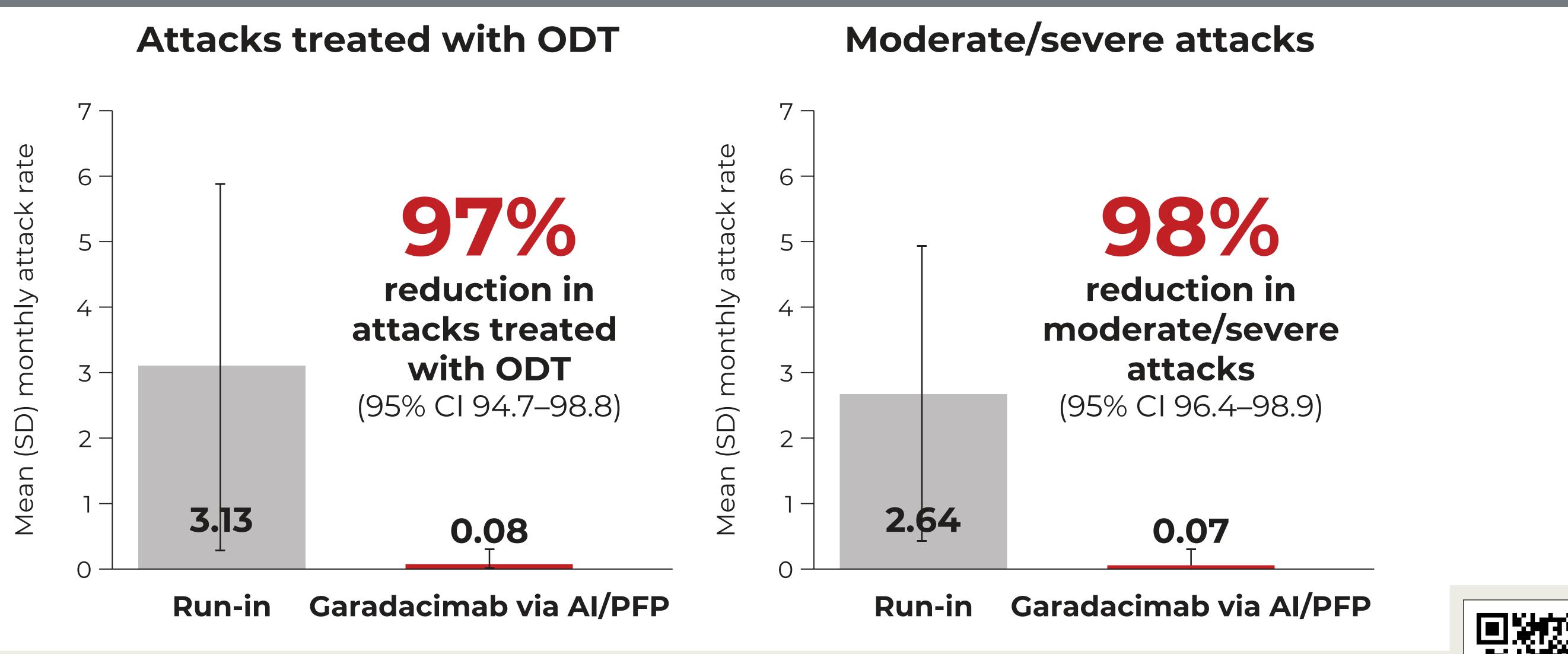
Moderate



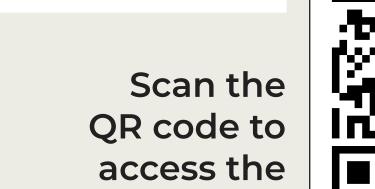
*Allergic reaction to food, not related to study treatment; this was incorrectly reported as an AESI (AESI per protocol defined as thromboembolic or abnormal bleeding events, severe persensitivity, or anaphylaxis) and was subsequently correctly counted as an SAE; †Allergic reaction to food, fractured fingers, fractured skull, n=1 each, none related to garadacimab. AESI, adverse event of special interest; AI/PFP, autoinjector/pre-filled pen; ISR, injection-site reaction; SAE, serious adverse event; TEAE, treatment-related adverse event.

37 (27.2)

Garadacimab treatment via AI/PFP reduced time-normalized number of attacks treated with ODT (left) and moderate/severe attacks versus run-in (right)



AI/PFP, autoinjector/pre-filled pen; CI, confidence interval; ODT, on-demand treatment; SD, standard deviation.



Garadacimab-related

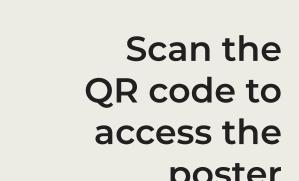
TEAEs were ISRs, all mild

in severity

No AESIs per protocol* or

SAEs were considered

garadacimab-related



REFERENCES