

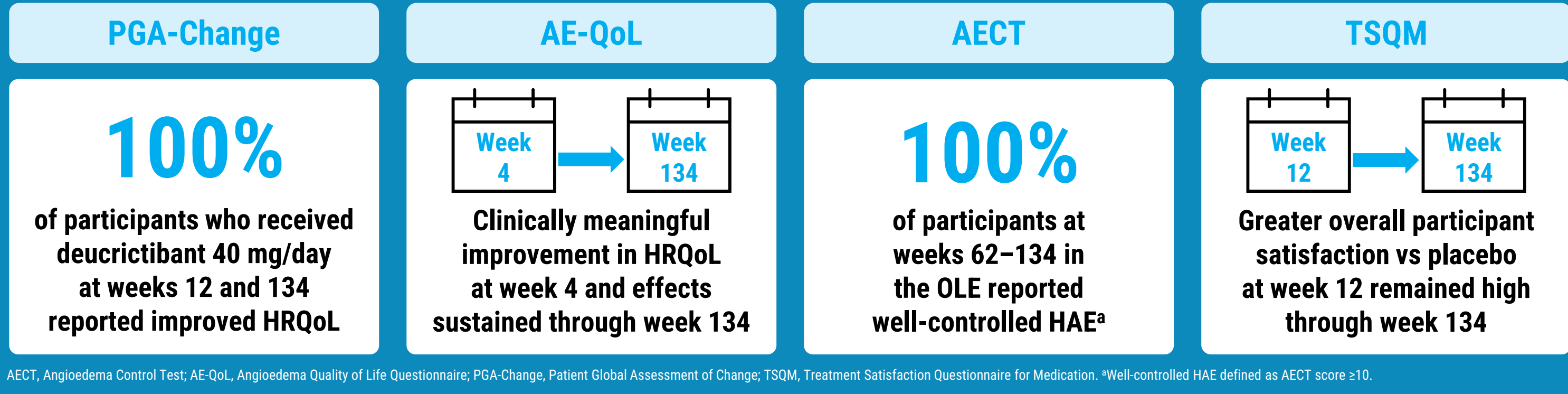
CHAPTER-1 Open-Label Extension Study: Long-Term Prophylactic Treatment With Oral Deucricitbant Improved Health-Related Quality of Life in Participants With Hereditary Angioedema

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Key takeaways

Final data from the completed open-label extension (OLE) of the Phase 2 CHAPTER-1 study provide further evidence on the sustained effects of long-term prophylactic treatment with the orally administered bradykinin B2 receptor antagonist deucricitbant on health-related quality of life (HRQoL), disease control, and treatment satisfaction for participants with hereditary angioedema (HAE).



This presentation includes data for an investigational product not yet approved by regulatory authorities.

Background

- Hereditary angioedema (HAE)**: a bradykinin-mediated condition with painful swelling attacks affecting multiple locations in the body and negatively impacting health-related quality of life (HRQoL).^{1,7}
- Unmet need**: additional prophylactic treatments offering injectable-like efficacy, a well-tolerated profile, and ease of administration.^{8,11}
- Oral deucricitbant**: a selective, bradykinin B2 receptor antagonist under development for both prophylactic and on-demand treatment of attacks of bradykinin-mediated angioedema, including HAE.¹¹⁻²¹

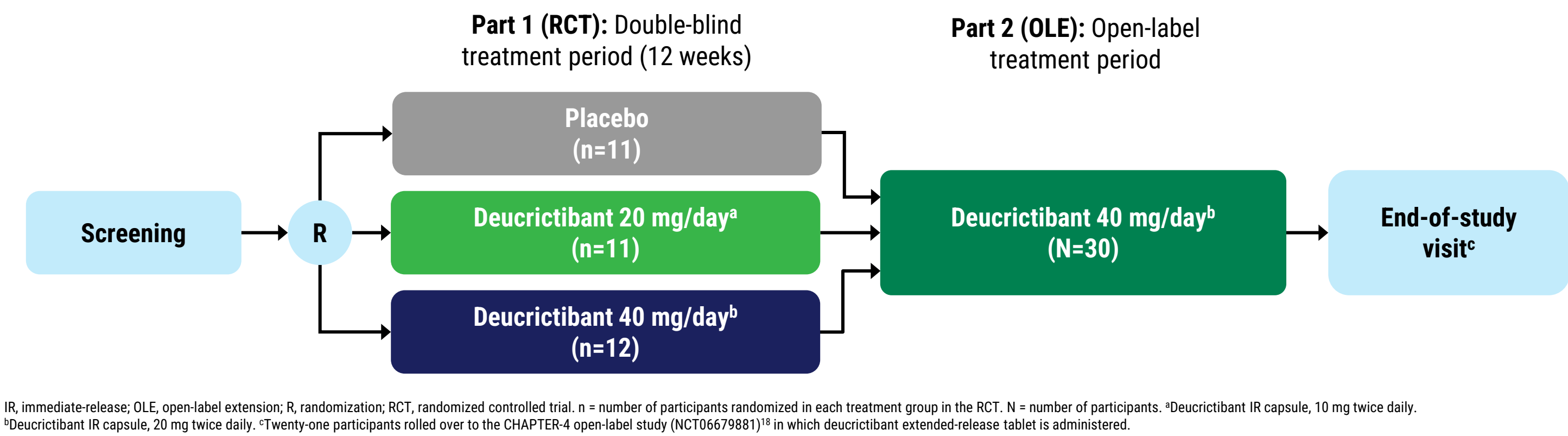
Objective

To evaluate the long-term impact of orally administered deucricitbant prophylactic treatment on HRQoL, disease control, and treatment satisfaction in adults with HAE in the open-label extension (OLE) of the CHAPTER-1 study.¹⁹

Methods

- CHAPTER-1 (NCT05047185)***: a two-part, Phase 2 study.¹⁹
 - Part 1 randomized controlled trial (RCT) and part 2 OLE were completed.
- Eligible participants**: adults diagnosed with HAE-1/2, not receiving other prophylactic treatments at screening, and with a pre-specified minimum number of attacks in the 3 months prior to screening.

Figure 1. CHAPTER-1 study design



Patient-reported outcome instruments

Patient Global Assessment of Change (PGA-Change)²²: a tool that uses a five-point Likert response scale to assess the change in the impact of HAE on patients' HRQoL since starting study treatment compared with pre-treatment:



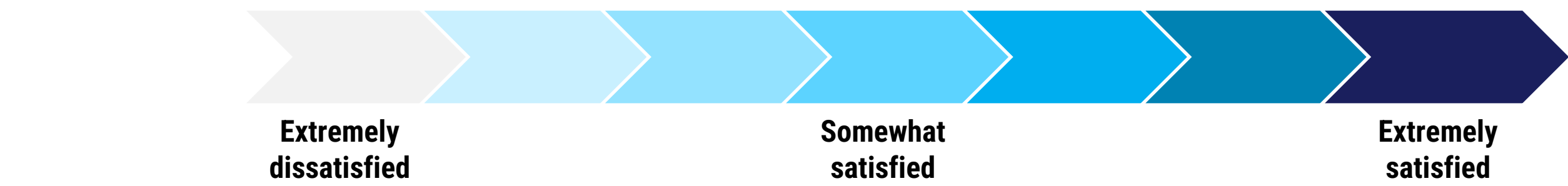
Angioedema Quality of Life Questionnaire (AE-QoL)²³⁻²⁵: a tool validated for HAE and composed of a 17-item questionnaire with a five-point response scale used across four domains, "functioning", "fatigue/mood", "fear/shame", and "nutrition":



Angioedema Control Test (AECT)^{26,27}: a four-item questionnaire with a five-point response scale developed and validated to retrospectively quantify disease control and aid management decisions in patients with recurrent angioedema (AECT-4wk – 4-week recall used):



Treatment Satisfaction Questionnaire for Medication (TSQM), version II²⁸: an 11-item questionnaire with a seven-point response scale to gauge patients' satisfaction with "effectiveness", "side effects", "convenience", and "global satisfaction" of a medication:

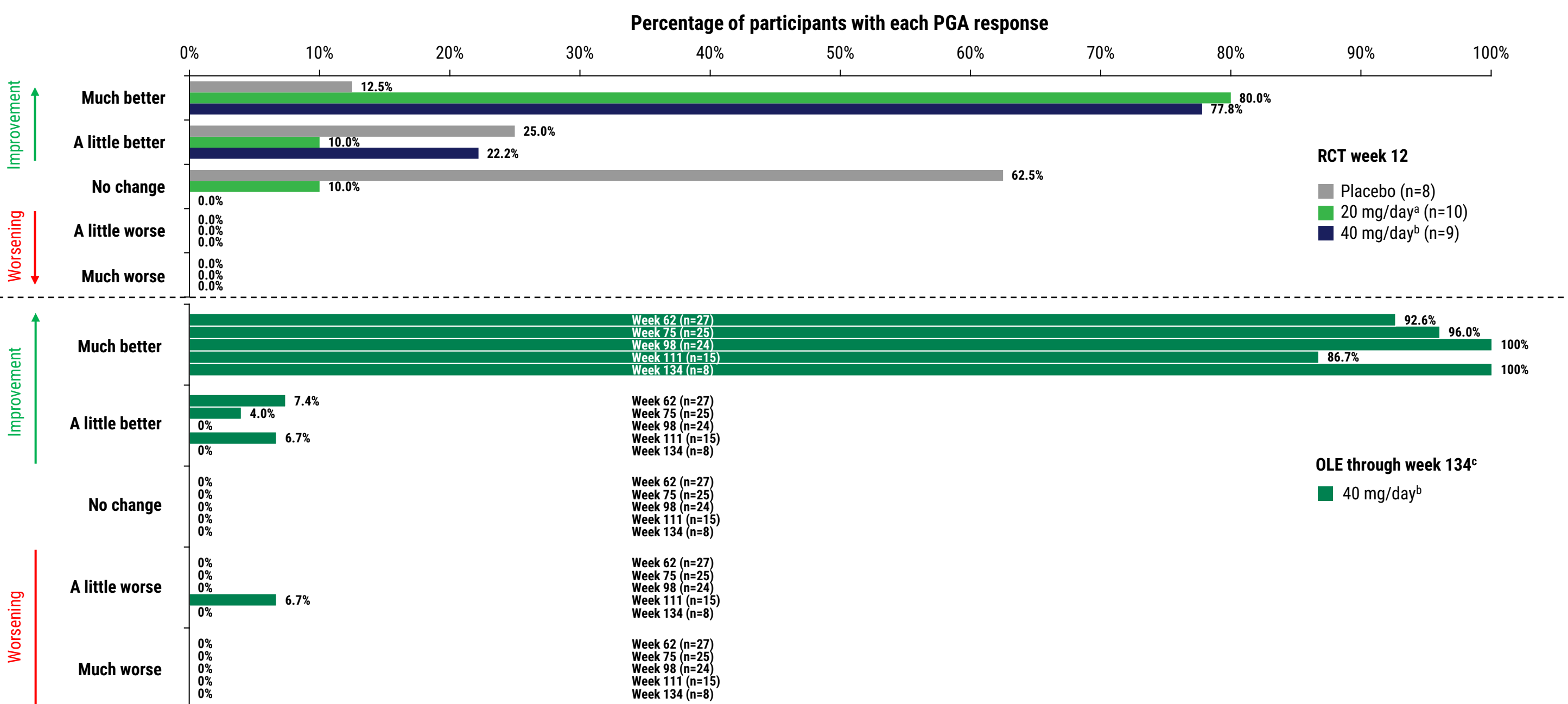


Results

- This analysis included all 30 participants who completed the Part 1 RCT and enrolled into the Part 2 OLE. Twenty-one participants were on study at the time of CHAPTER-1 study end, and all continued into the ongoing CHAPTER-4 open-label study (NCT06679881)¹⁸ in which deucricitbant extended-release (XR) tablet is self-administered. None of the nine discontinuations in the CHAPTER-1 OLE were reported as treatment-related or associated with an adverse event.
 - Mean (SD) treatment duration in the OLE was 22.2 (8.1) months.
 - Maximum deucricitbant exposure during the entire study was 33.8 months.

Health-related quality of life using PGA-Change

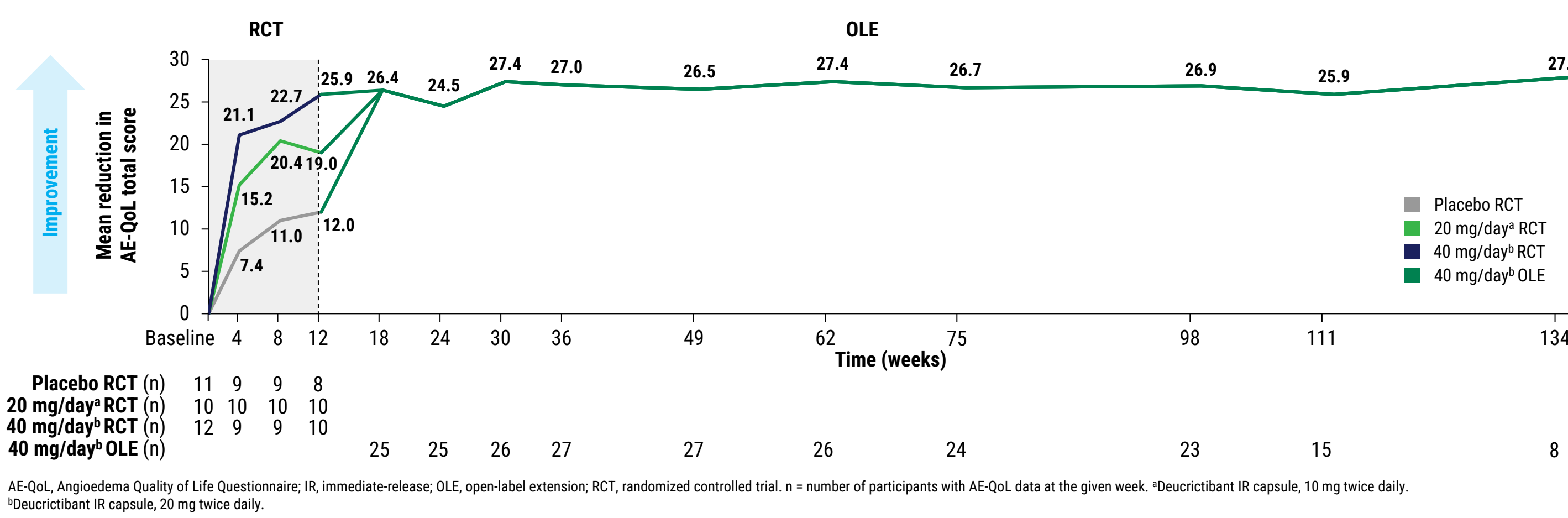
Figure 2. PGA-Change: HRQoL improved at week 12 and through week 134 compared with study baseline



Results

Health-related quality of life using AE-QoL

Figure 3. AE-QoL: Improvement in total score by week 4 and effects sustained through week 134



- For deucricitbant-treated participants at week 12 of the RCT, "functioning" and "fear/shame" showed the most improvement of the AE-QoL domains with mean reductions of 32.5 and 22.9 with deucricitbant 20 mg/day and 33.1 and 35.4 with deucricitbant 40 mg/day, respectively.
 - These reductions were sustained from week 18 to week 134 of the OLE, with mean reductions in AE-QoL "functioning" scores of 36.5 at week 18 and 50.8 at week 134, and mean reductions in AE-QoL "fear/shame" scores of 34.0 at week 18 and 30.7 at week 134.

Disease control

Figure 4. AECT: Improvement in disease control by week 4 and effects sustained through week 134

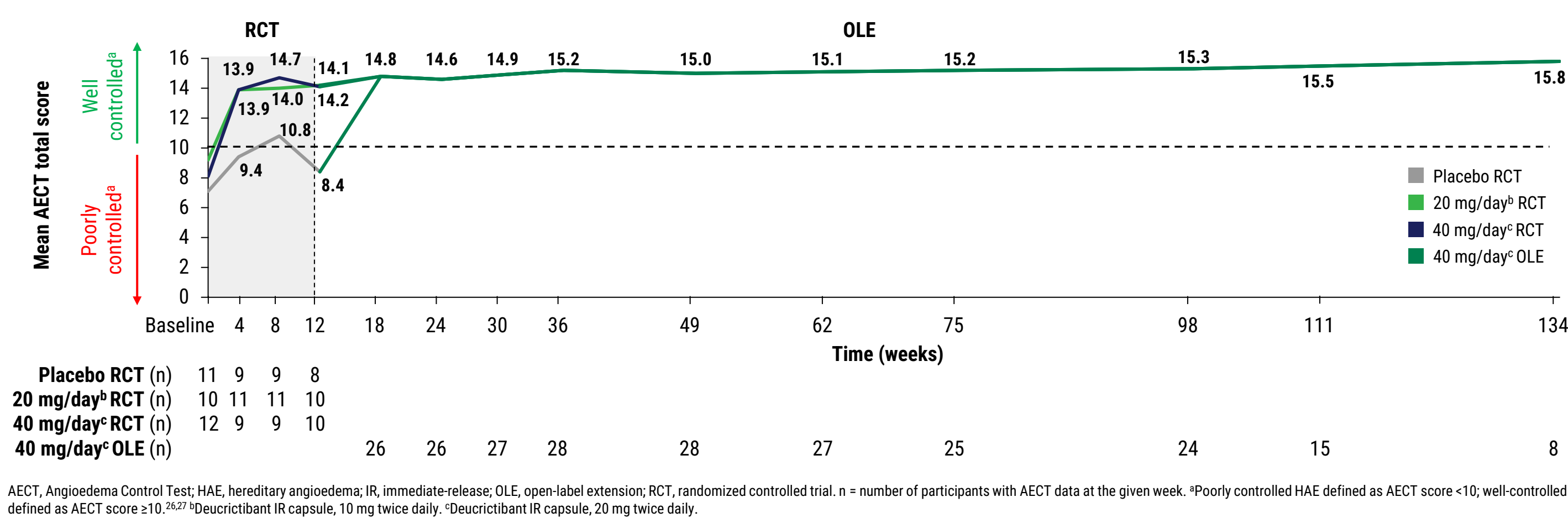
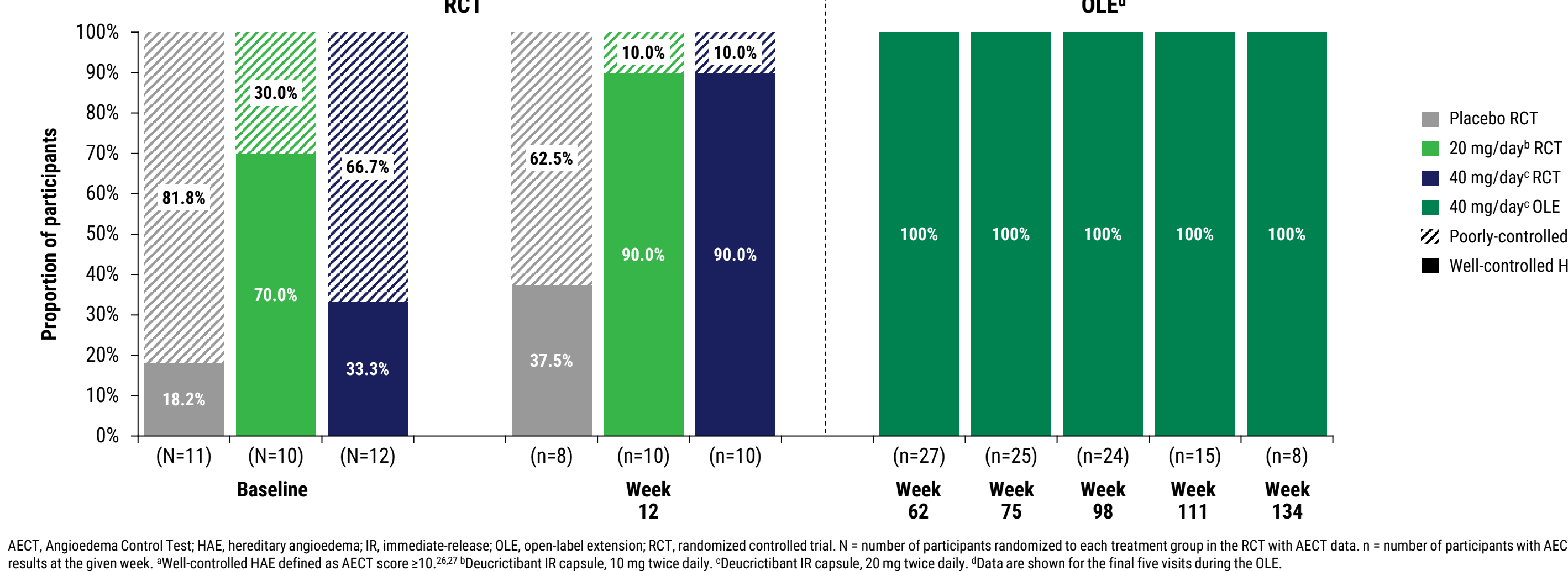


Figure 5. AECT: 90% of participants at week 12 and 100% of participants at weeks 62–134 receiving deucricitbant achieved the definition of well-controlled^a HAE



- The majority (>60%) of participants had achieved the maximum AECT-4wk score of 16 at weeks 62–134.

Treatment satisfaction

Figure 6. TSQM: Participant satisfaction with effectiveness was greater vs placebo at week 12 and remained high through week 134

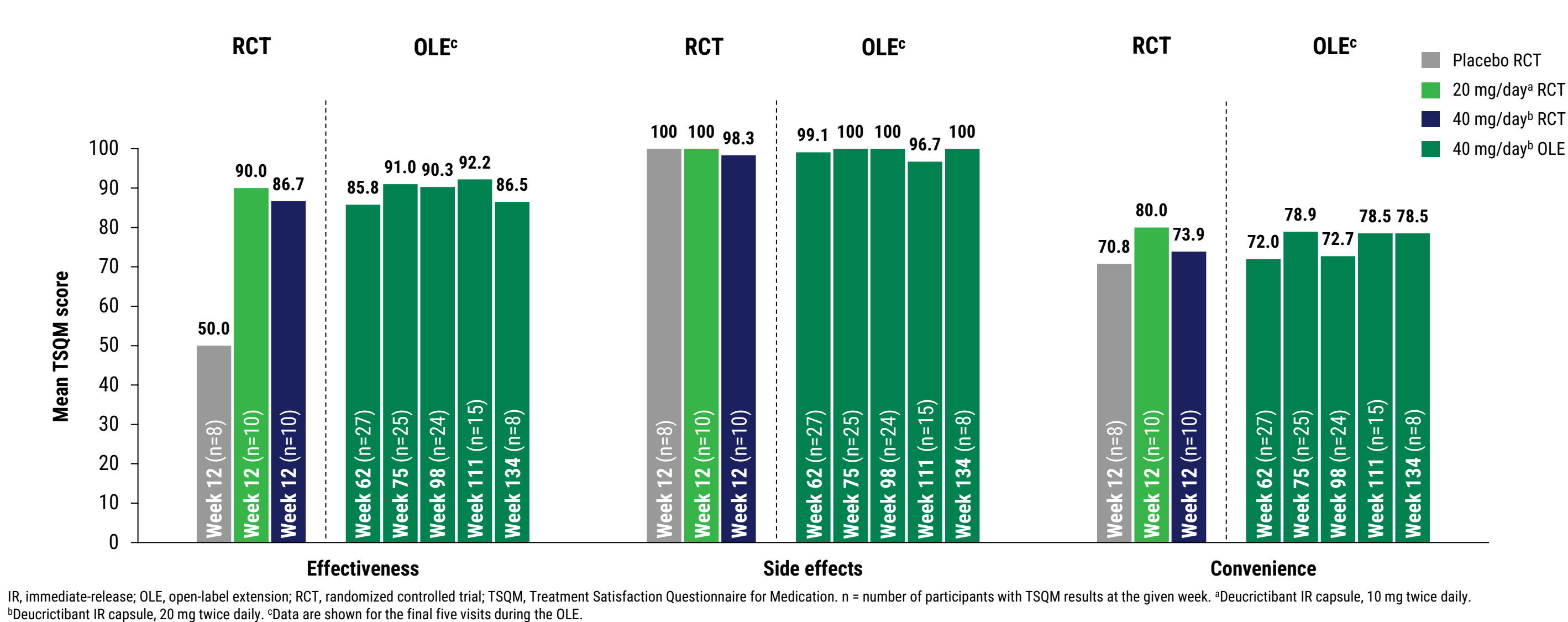
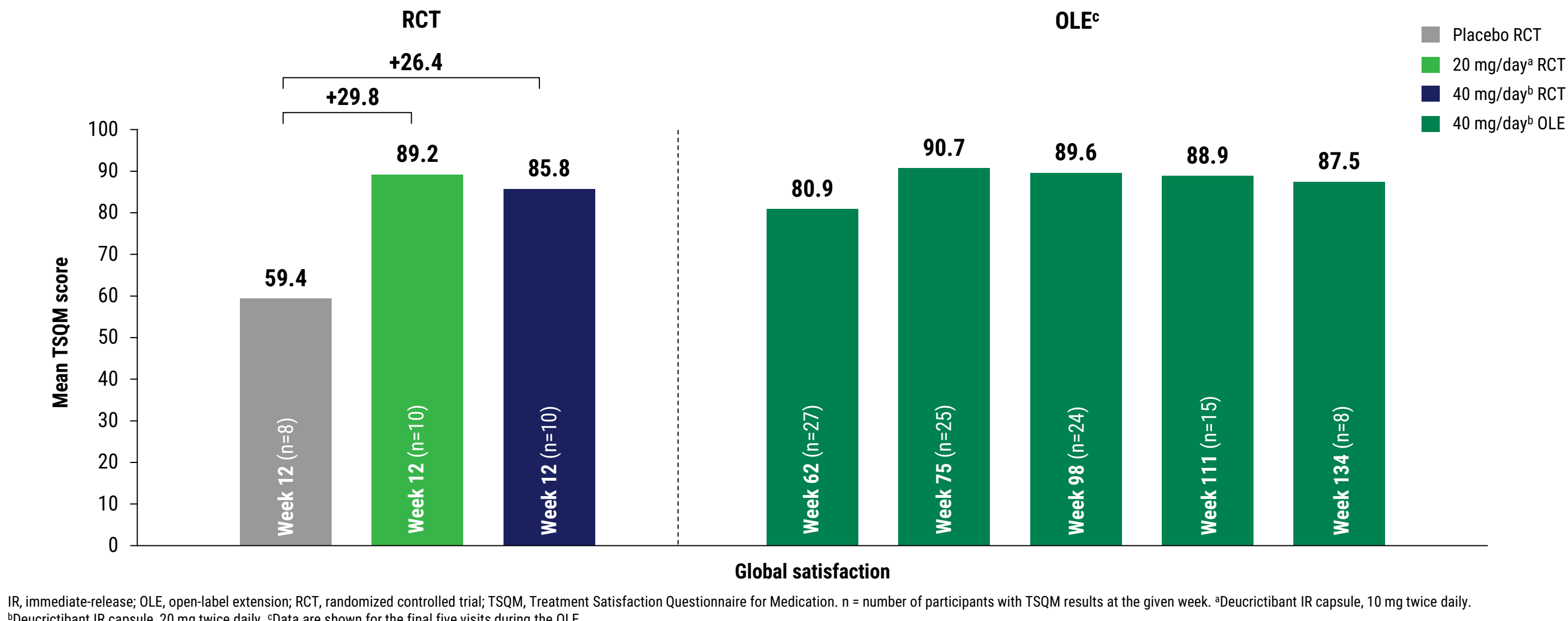


Figure 7. TSQM: Overall participant satisfaction was greater vs placebo at week 12 and remained high through week 134



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