

A Phase 2, Randomized, Placebo-Controlled, Parallel-Group Study Evaluating the Safety and Efficacy of Alixorexton (ALKS 2680) in Patients With Idiopathic Hypersomnia: Study Design and Methods for Vibrance-3

David Plante,¹ Ron Grunstein,² Giuseppe Plazzi,³ Kiran P. Maski,⁴ Jandira Ramos,⁵ Yangchun Du,⁵ Alexandra Lovett,⁵ Marcus Yountz,⁵ Bhaskar Rege⁵
¹University of Wisconsin School of Medicine and Public Health, Madison, WI, USA; ²Woolcock Institute of Medical Research, Macquarie University and Sydney Health Partners, Sydney, Australia; ³IRCCS Istituto delle Scienze Neurologiche di Bologna, Bologna, Italy; ⁴Department of Neurology, Boston Children's Hospital, Boston, MA, USA; ⁵Alkermes, Inc., Waltham, MA, USA
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INTRODUCTION

- Idiopathic hypersomnia (IH) is a central disorder of hypersomnolence characterized by excessive daytime sleepiness (EDS), with sleep inertia, long/unrefreshing naps, and prolonged nighttime sleep¹
- Orexin acts as a key regulator of wakefulness via activation of multiple downstream wake-promoting pathways²
- Targeting the orexin system may address EDS across hypersomnolence disorders with orexin deficiency (narcolepsy type 1 [NT1]) and without orexin deficiency (eg, narcolepsy type 2 [NT2], IH)³
- Unlike NT1, IH is not characterized by a loss of orexin-producing neurons or low endogenous central nervous system orexin levels
- Alixorexton (ALKS 2680) is a highly potent, oral, and selective orexin 2 receptor agonist being developed as a once-daily treatment for narcolepsy and IH
- In a phase 1b study in patients with IH, single doses of alixorexton at 5, 12, and 25 mg demonstrated statistically significant, clinically meaningful improvements in mean sleep latency, improved self-reported alertness on the Karolinska Sleepiness Scale, and were generally well tolerated^{4,5}
- The results of the phase 1b study demonstrated that alixorexton may have clinical benefits for patients with IH and helped inform dose selection for the Vibrance-3 phase 2 study
 - Alixorexton is also being evaluated in patients with NT1 and NT2 in the phase 2 Vibrance-1 (NCT06358950) and Vibrance-2 (NCT06555783) studies, respectively

OBJECTIVE

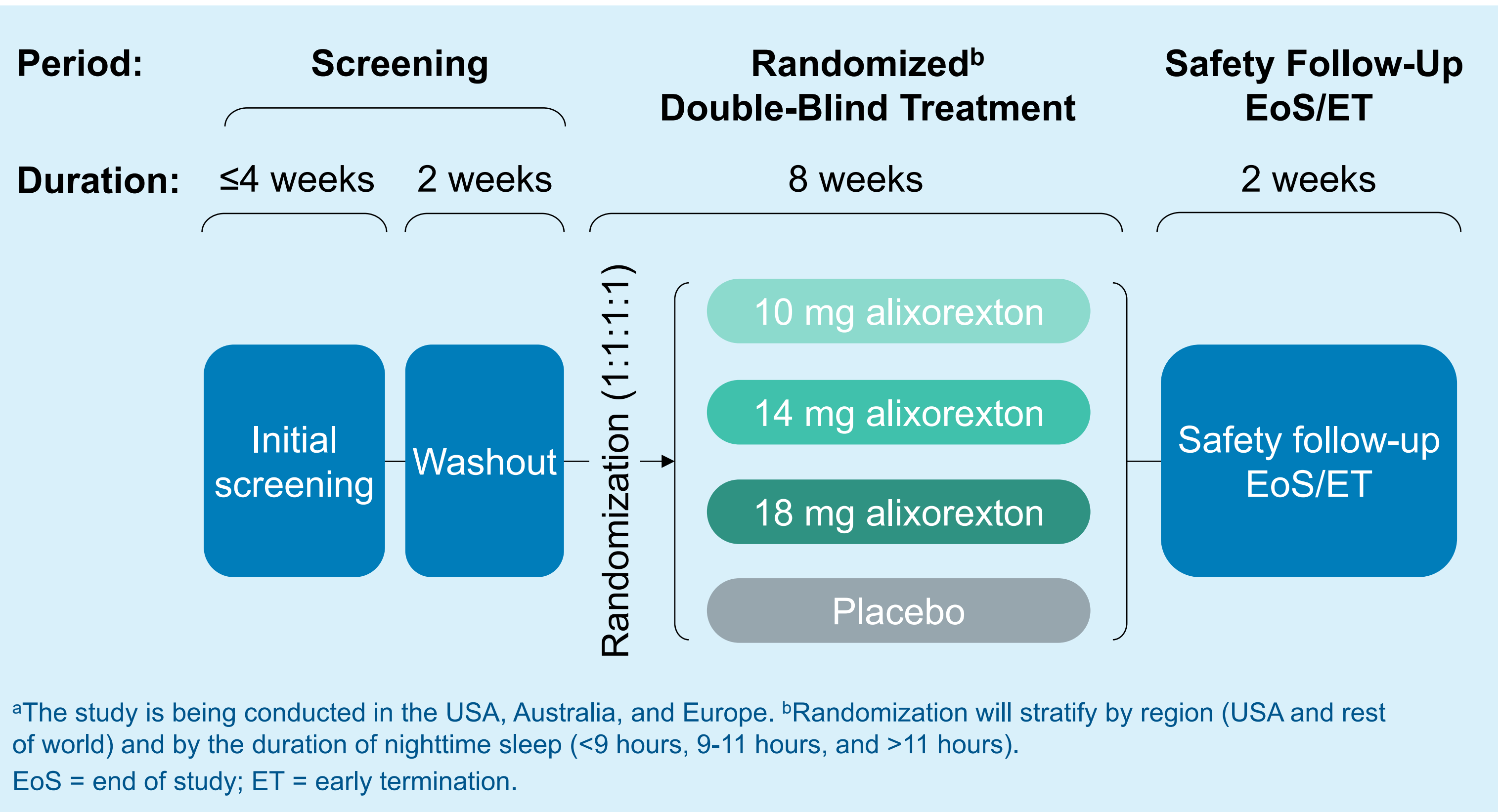
- The Vibrance-3 study (ClinicalTrials.gov identifier: NCT06843590)⁶ aims to assess the safety and efficacy of once-daily alixorexton compared with placebo through 8 weeks of treatment in adults with IH

METHODS

STUDY DESIGN

- Vibrance-3 is a phase 2, randomized, double-blind, placebo-controlled, parallel-group, dose-range-finding study (**Figure 1**)⁶
- Following a 2-week washout period from current standard of care, patients will be randomized 1:1:1:1 to receive placebo or alixorexton once daily at doses of 10, 14, or 18 mg for 8 weeks
- Patients who complete Vibrance-3 may be eligible to roll over into a separate open-label, long-term extension study (NCT06767683)

FIGURE 1: Vibrance-3 Study Design^a



STUDY POPULATION

- Planned enrollment is approximately 96 patients with IH
- Key inclusion and exclusion criteria are described in **Figure 2**

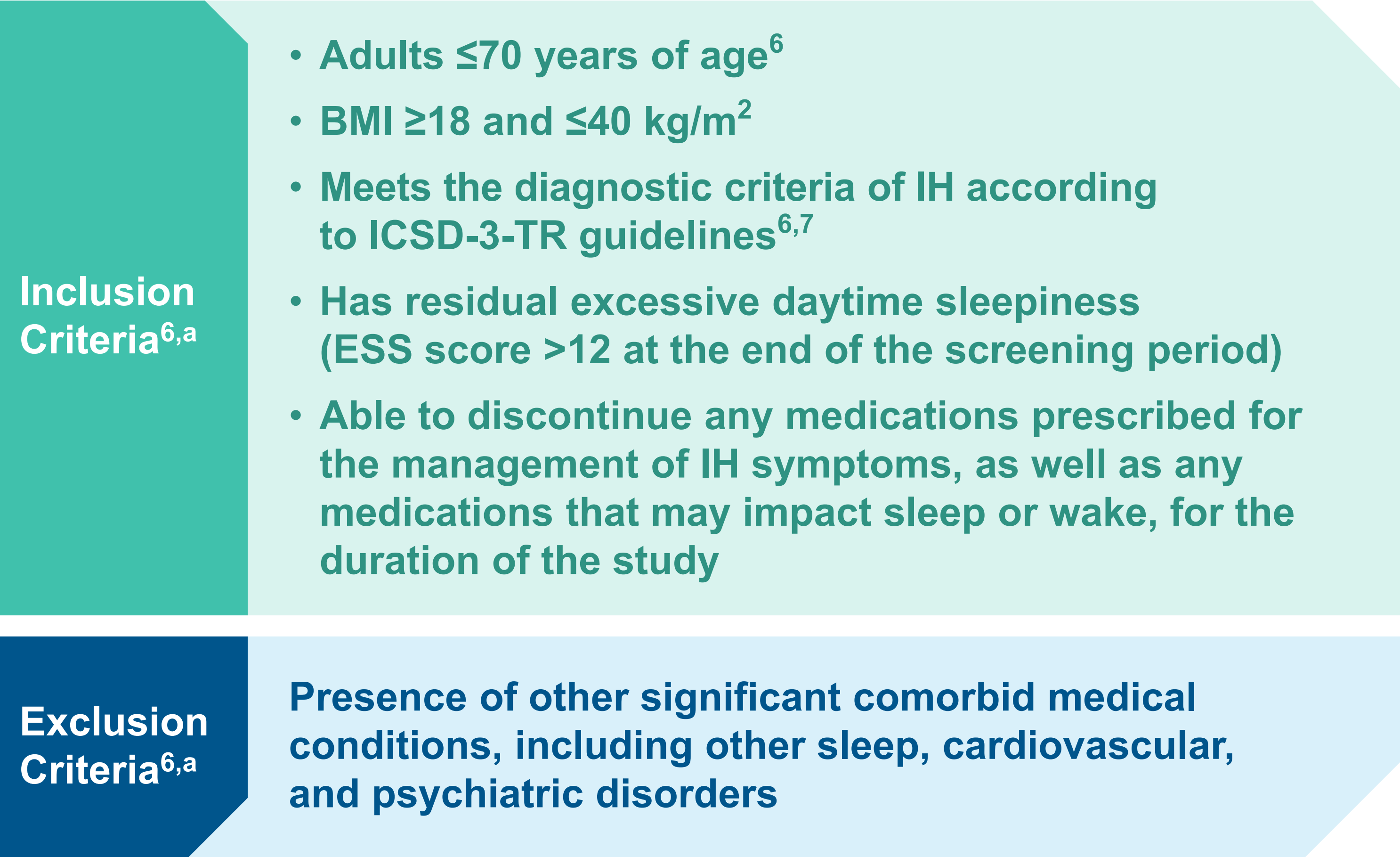
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FIGURE 2: Key Inclusion and Exclusion Criteria

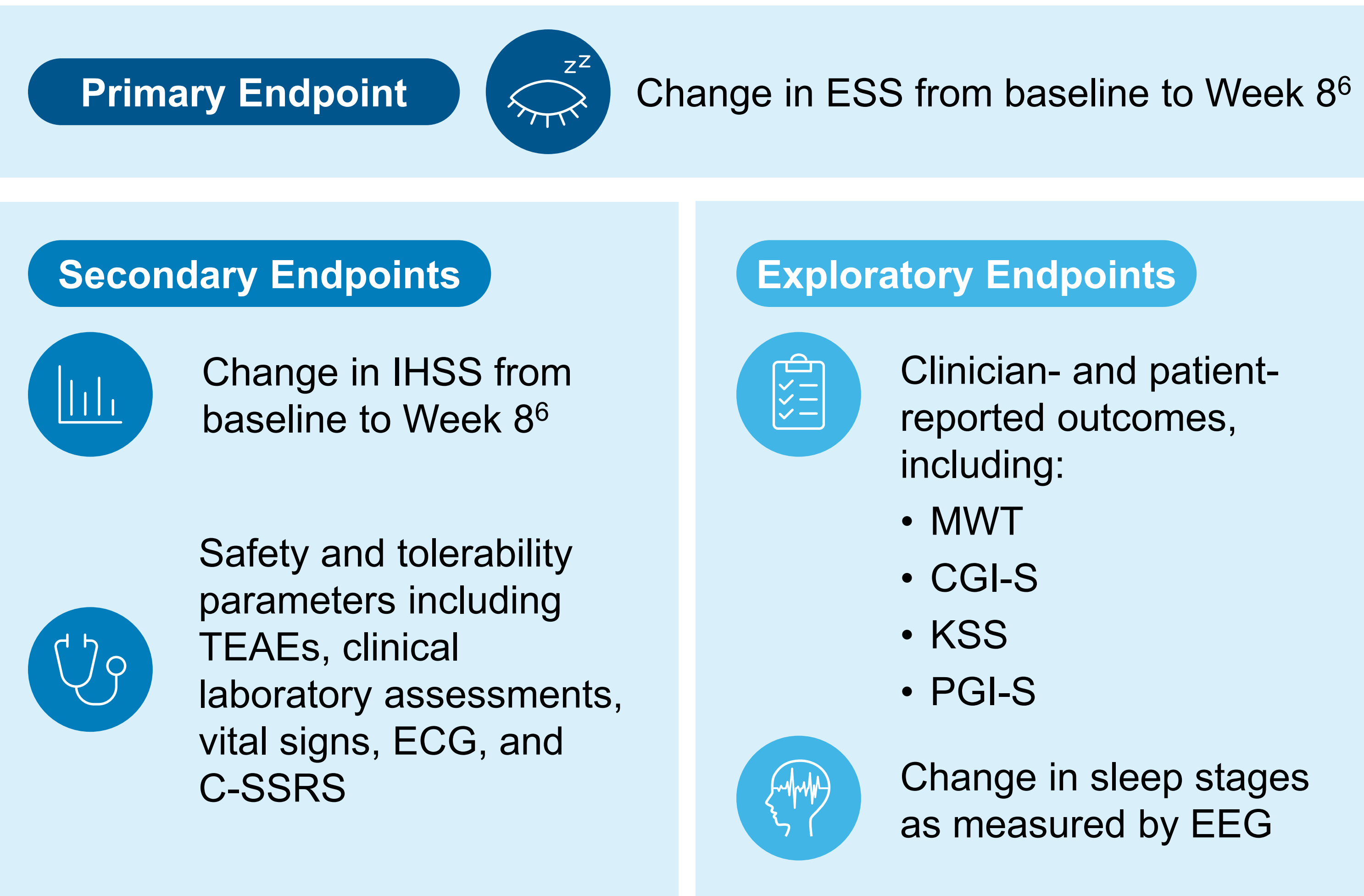


^aAdditional criteria apply. Eligibility will be determined on an individual basis by the study investigator.
BMI = body mass index; ESS = Epworth Sleepiness Scale; ICSD-3-TR = *International Classification of Sleep Disorders, Third Edition, Text Revision*; IH = idiopathic hypersomnia.

STUDY ENDPOINTS

- Primary, secondary, and exploratory endpoints are summarized in **Figure 3**

FIGURE 3: Study Endpoints



CGI-S = Clinical Global Impression of Severity; C-SSRS = Columbia-Suicide Severity Rating Scale; ECG = electrocardiogram; EEG = electroencephalogram; ESS = Epworth Sleepiness Scale; IHSS = Idiopathic Hypersomnia Severity Scale; KSS = Karolinska Sleepiness Scale; MWT = Maintenance of Wakefulness Test; PGI-S = Patient Global Impression of Severity; TEAE = treatment-emergent adverse event.

SUMMARY

- Vibrance-3 is evaluating once-daily alixorexton over 8 weeks in patients with IH
- To learn about participation or patient referrals for Vibrance-3, please visit vibrancestudies.com or ClinicalTrials.gov/study/NCT06843590



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Disclosures

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