

Vibrance-1: Study Design and Methods for a Phase 2, Randomised, Placebo-Controlled, Parallel Group Study Evaluating the Safety and Efficacy of ALKS 2680 in Patients With Narcolepsy Type 1

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INTRODUCTION

- ALKS 2680 is a highly potent, orally bioavailable, and selective orexin 2 receptor (OX2R) agonist being developed as a once-daily treatment for narcolepsy¹
- Narcolepsy type 1 (NT1) results from the selective loss of neurons that produce orexin (also known as hypocretin), a neurotransmitter that acts as the master regulator of wakefulness systems in the brain²
- ALKS 2680 is designed to address the underlying pathology of narcolepsy by focusing on the following key objectives:
 - To improve the duration and quality of wakefulness, with a pharmacokinetic and pharmacodynamic profile that mirrors the natural sleep-wake cycle, allowing patients to stay awake during the day and sleep at night
 - To control cataplexy
 - To have a range of therapeutic doses with once-daily oral administration
 - To have an acceptable safety profile with a wide therapeutic window that can accommodate different doses needed for NT1 and narcolepsy type 2
- In a phase 1b study, single doses of ALKS 2680 were generally well tolerated among patients with NT1 and led to statistically significant, clinically meaningful improvements in sleep latency and patient-reported alertness^{1,3}
 - These results informed the range of doses to be assessed in the phase 2 Vibrance-1 study

OBJECTIVES

- The Vibrance-1 study (ClinicalTrials.gov identifier: NCT06358950) aims to assess the safety and efficacy of once-daily ALKS 2680 compared with placebo through 6 weeks of treatment in patients with NT1

METHODS

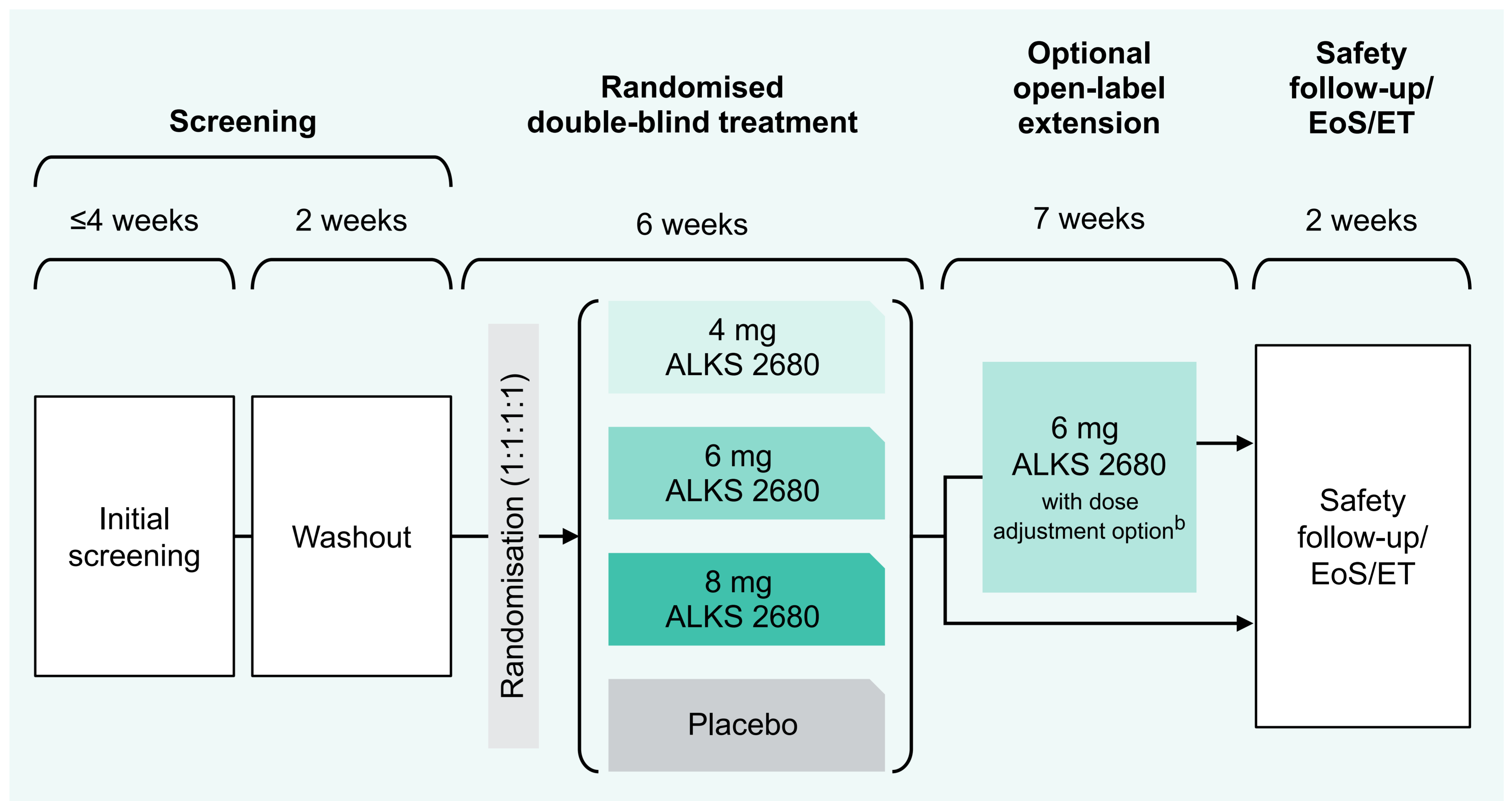
STUDY DESIGN

- Vibrance-1 is an ongoing, phase 2, placebo-controlled, parallel-group, dose-ranging study with a randomised double-blind treatment period and an open-label extension period (**Figure 1**)
- Following a 2-week washout period from prior narcolepsy medications, patients will be randomized 1:1:1:1 to receive placebo or ALKS 2680 once daily at doses of 4, 6, or 8 mg for 6 weeks
- The double-blind treatment period will be followed by an optional open-label extension period of up to 7 weeks

SUMMARY

- ALKS 2680 is currently the only OX2R agonist in phase 2 clinical development for both narcolepsy subtypes
- Vibrance-1 is evaluating once-daily ALKS 2680 over 6 weeks in patients with NT1, followed by open-label treatment
- To learn about participation or patient referrals, please visit vibrancestudies.com or clinicaltrials.gov/study/NCT06358950

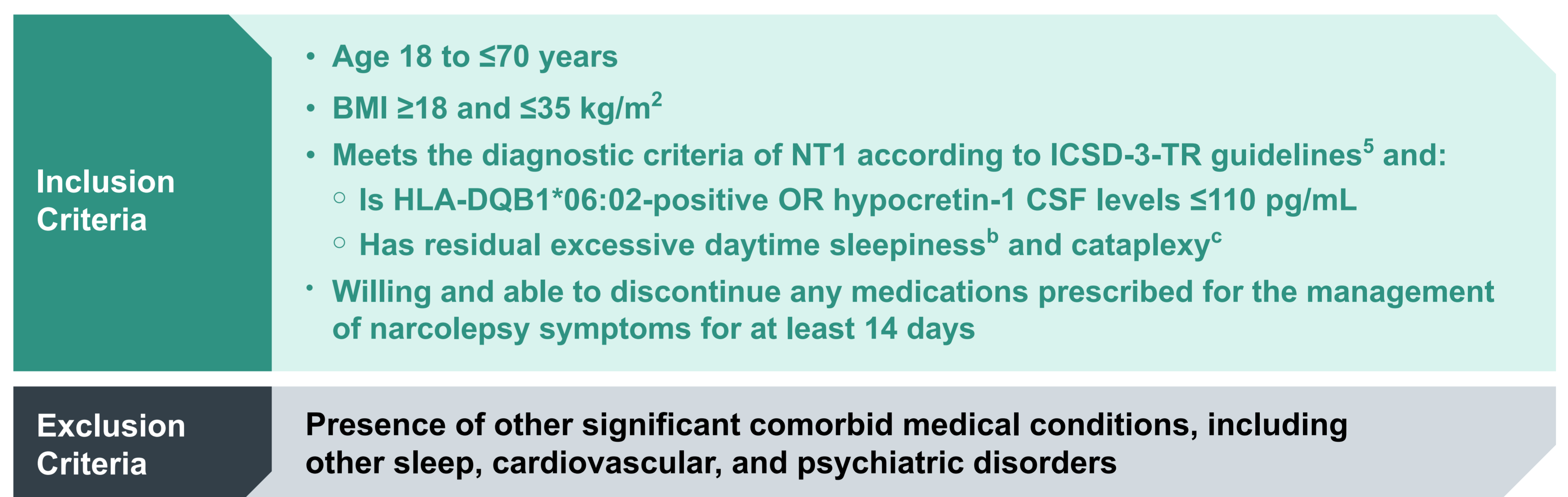
FIGURE 1: Vibrance-1 Study Design^a



STUDY POPULATION

- Planned enrolment is approximately 80 patients with NT1
- Key inclusion and exclusion criteria are described in **Figure 2**

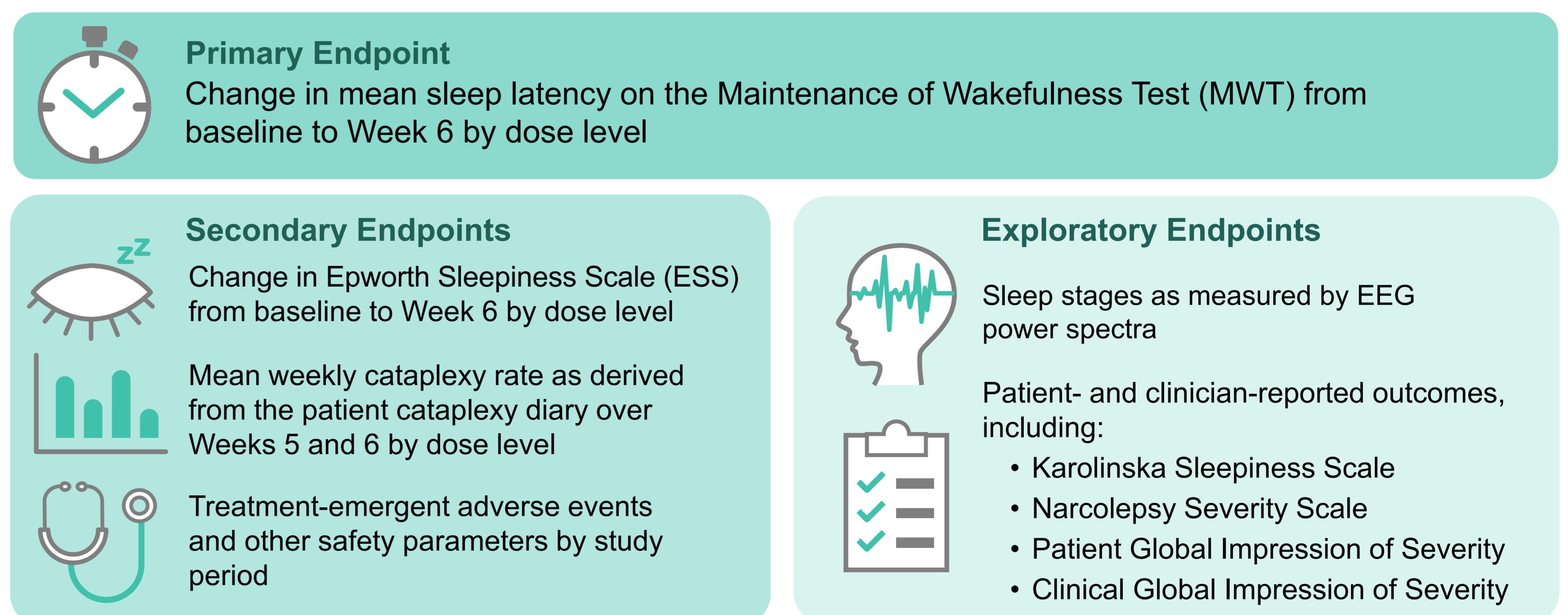
FIGURE 2: Key Inclusion and Exclusion Criteria^{4a}



STUDY ENDPOINTS

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

FIGURE 3: Study Endpoints⁴



References

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