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Consistent Efficacy and Safety of Erenumab Over Time in Patients with Episodic Migraine Who Completed a 5-Year, Open-label Extension Study

Objective



To evaluate the long-term efficacy and safety of erenumab in patients with episodic migraine who completed a 5-year treatment

ClinicalTrials.gov NCT01952574

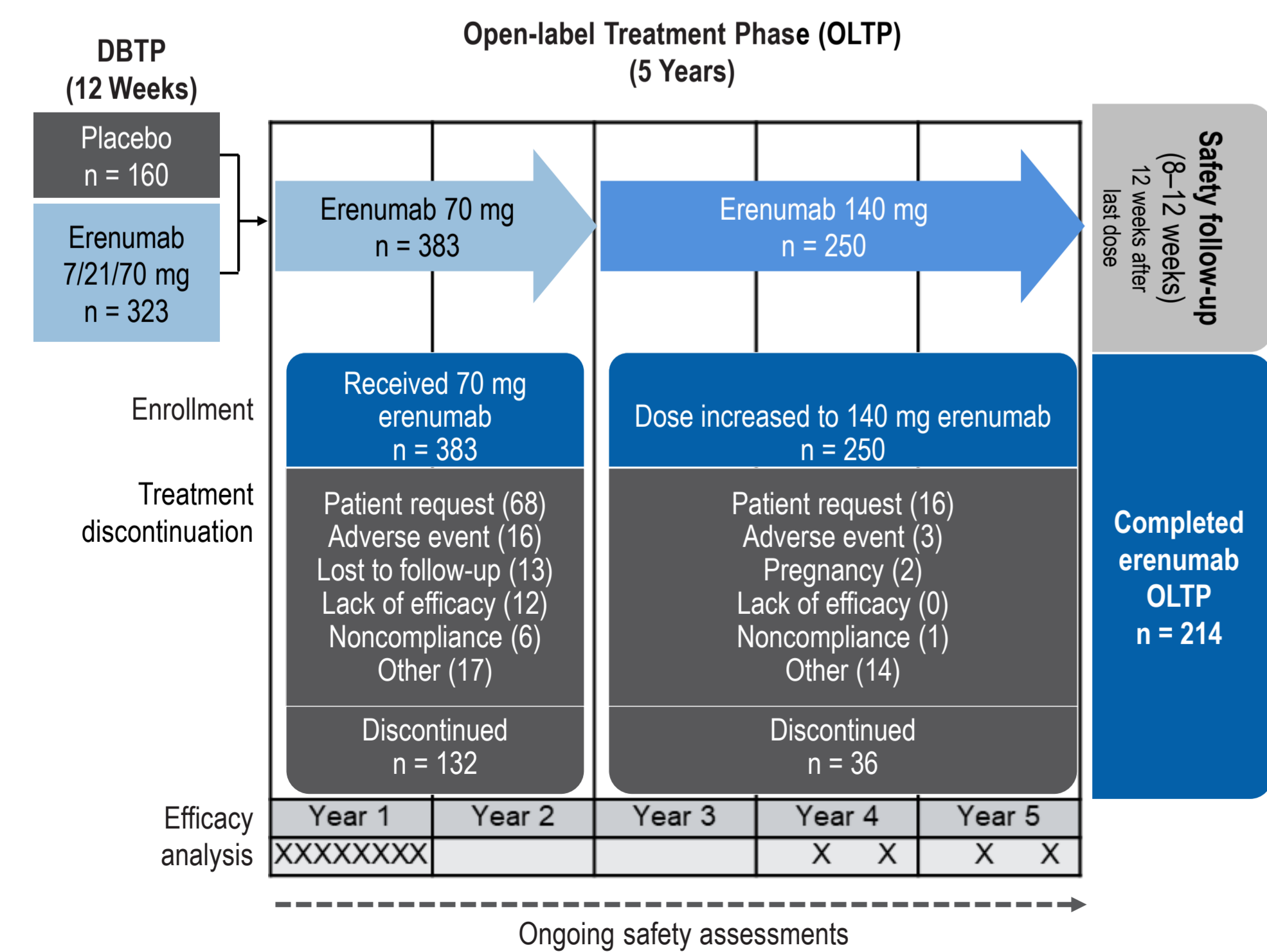
Methods



- Patients were included in the completer analysis set if they had received the last scheduled erenumab 140 mg dose at week 264
- Baseline was defined as the 4-week period prior to the double-blind treatment phase (DBTP)
- DBTP safety was assessed using data pooled from four pivotal studies in episodic and chronic migraine (12 weeks)

(Ashina M, et al, *Cephalalgia*, 2019;39:1798-1808)

Study design and disposition



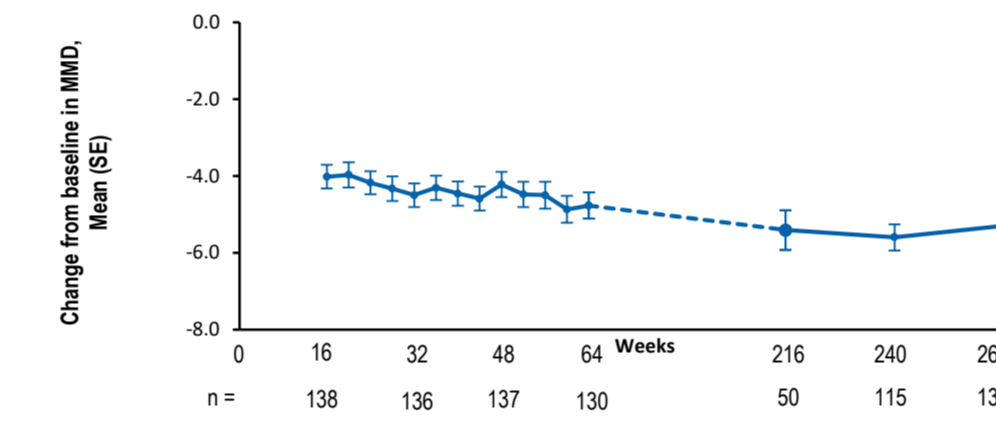
Erenumab demonstrated consistent and sustained clinical responses in patients who completed 5 years of treatment

Baseline characteristics	All patients (n = 383)	Completers (n = 214)
Demographics		
Age, years	41.3 (10.9)	42.3 (10.8)
Sex, female, n (%)	303 (79.1)	171 (79.9)
Race, white, n (%)	354 (92.4)	201 (93.9)
Baseline disease characteristics		
Age at migraine onset, years	20.9 (11.3)	21.8 (12.0)
Duration of disease, years	20.9 (11.9)	21.1 (11.7)
History of migraine with aura, n (%)	137 (35.8)	81 (37.9)
Monthly migraine days	8.7 (2.7)	8.6 (2.7)
Monthly acute migraine-specific medication days ^a	4.3 (3.7)	4.5 (3.6)
Prior preventive therapy, n (%)		
Prior use	169 (44.1)	94 (43.9)
≥ 1 Treatment failure ^b	138 (36.0)	76 (35.5)

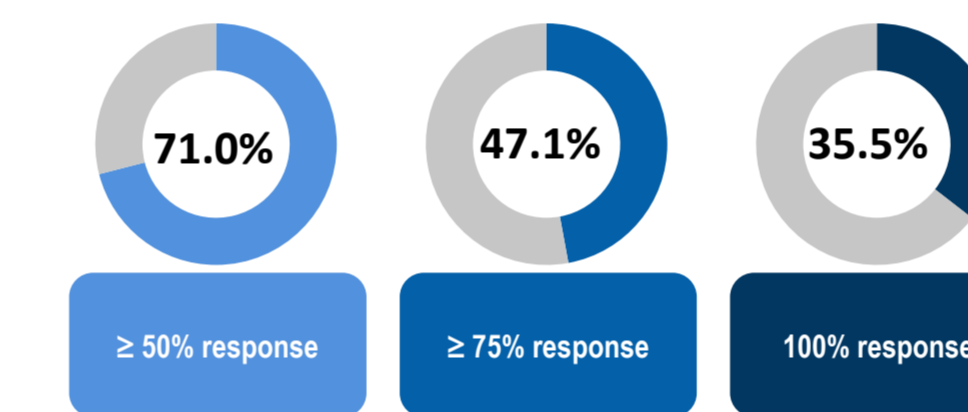
^aMigraine-specific medications were triptans and ergotamine derivatives.
^bIncluded discontinuation due to lack of efficacy and/or side effects.
 Data represent mean (SD) unless otherwise indicated.

Erenumab demonstrated consistent and sustained clinical responses in patients who completed 5 years of treatment

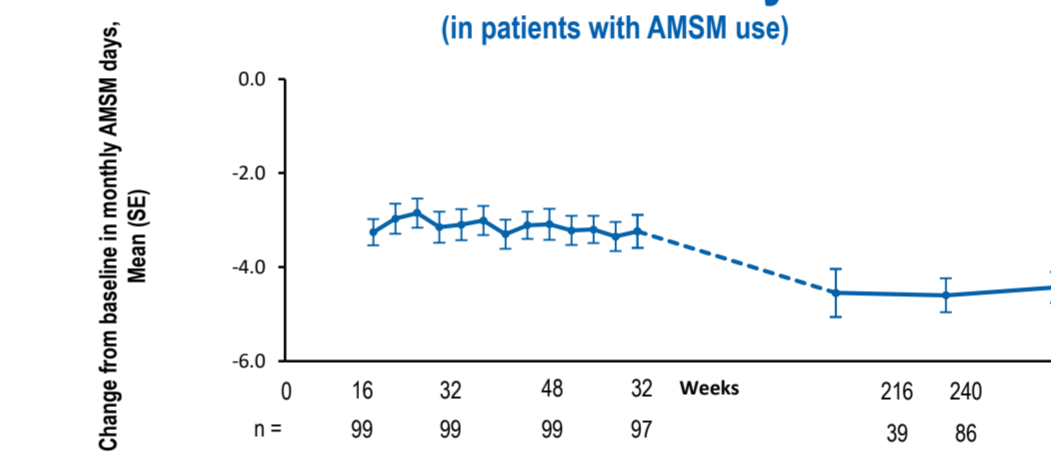
Change in monthly migraine days



Monthly migraine day response rate at year 5

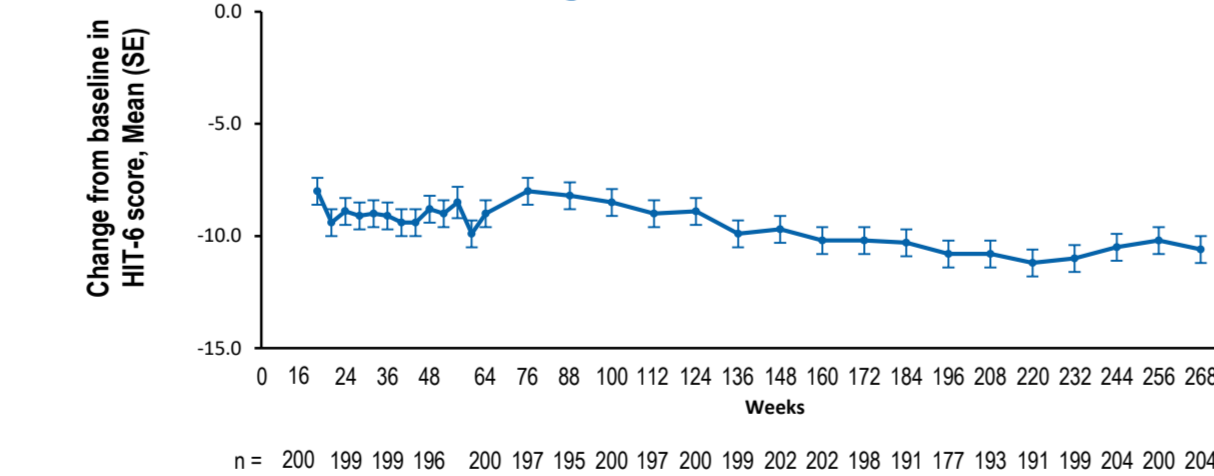


Change in acute migraine-specific medication days

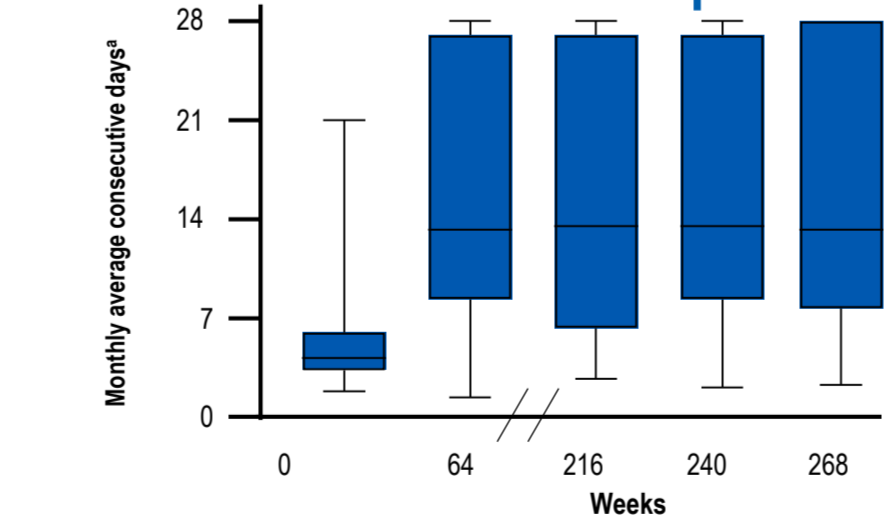


Erenumab demonstrated consistent and sustained clinically meaningful improvements in patient-reported outcomes and increased consecutive days free of moderate/severe headache in patients who completed 5 years of treatment

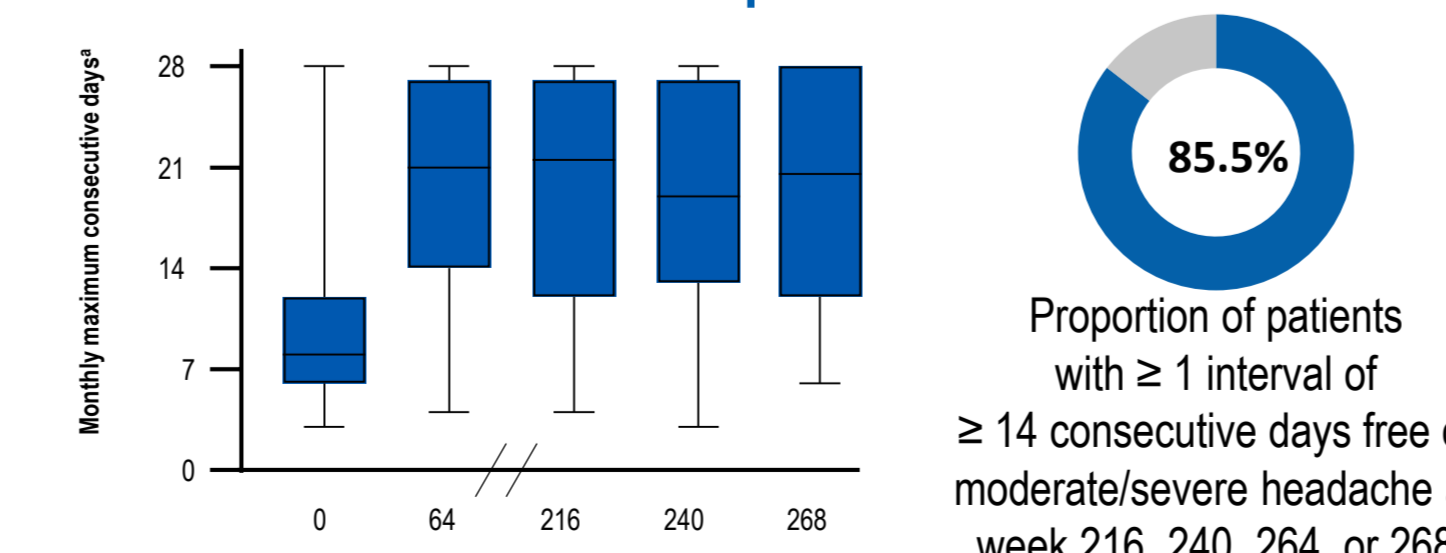
Change in HIT-6 score



Average consecutive days free of moderate/severe headache per month



Maximum consecutive days free of moderate/severe headache per month



There was no increased emergence of adverse events over time in patients who completed 5 years of treatment

Exposure-adjusted adverse events n [r]

All AEs	Pooled DBTP ^a		OLTP	
	Placebo (N = 1043)	Erenumab 70/140 mg (N = 1400)	Erenumab 70/140 mg (N = 214)	Erenumab 140 mg (N = 214)
Grade ≥ 2	126.5 / 100 PY (n = 321)	105.4 / 100 PY (n = 405)	54.0 / 100 PY (n = 186)	54.0 / 100 PY (n = 186)
Grade ≥ 3	12.8 / 100 PY (n = 40)	12.4 / 100 PY (n = 58)	6.2 / 100 PY (n = 57)	6.2 / 100 PY (n = 57)
SAEs	6.3 / 100 PY (n = 20)	5.9 / 100 PY (n = 28)	3.1 / 100 PY (n = 31)	3.1 / 100 PY (n = 31)
Fatal AEs	0.0 / 100 PY (n = 0)	0.0 / 100 PY (n = 0)	< 0.1 / 100 PY (n = 1) ^b	< 0.1 / 100 PY (n = 1) ^b

Most frequent AEs (OLTP):

- Nasopharyngitis (n = 80 [9.7/100 PY])
- Upper respiratory tract infection (n = 59 [6.5/100 PY])
- Influenza (n = 48 [5.0/100 PY])

SAEs reported by > 1 patient each (OLTP):

- Osteoarthritis (n = 2), uterine leiomyoma (n = 2), ligament rupture (n = 2), appendicitis (n = 2)

^aAshina et al, *Cephalalgia*, 2019;39(14):1798-1808
^bOne fatality (death unrelated) occurred during the safety follow-up when no erenumab was administered; considered unrelated to study drug by the investigator.
 PY, patient-year.

Results



- Maintained reductions in monthly migraine days and acute migraine-specific medication (AMSM) days
- Maintained clinically meaningful improvements in HIT-6
- Majority of patients achieved ≥ 50% reduction in monthly migraine days from baseline
- Increased monthly average and maximum intervals free of moderate/severe headache
- Demographics and baseline characteristics were similar between completers and the full study population
- No new safety signals were detected in patients who completed the 5-year extended erenumab treatment period
 - Exposure-adjusted adverse events (AEs) and serious adverse events (SAEs) during the open-label treatment phase (OLTP) were lower than that observed for placebo during pooled double-blind treatment phase (DBTP)

Disclosures

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