

# Efficacy and Safety of Once-Daily Oral Paltusotine in Medically Untreated Patients with Acromegaly: Results from the Phase 3, Randomized, Placebo-Controlled PATHFNR-2 Study

MON-694

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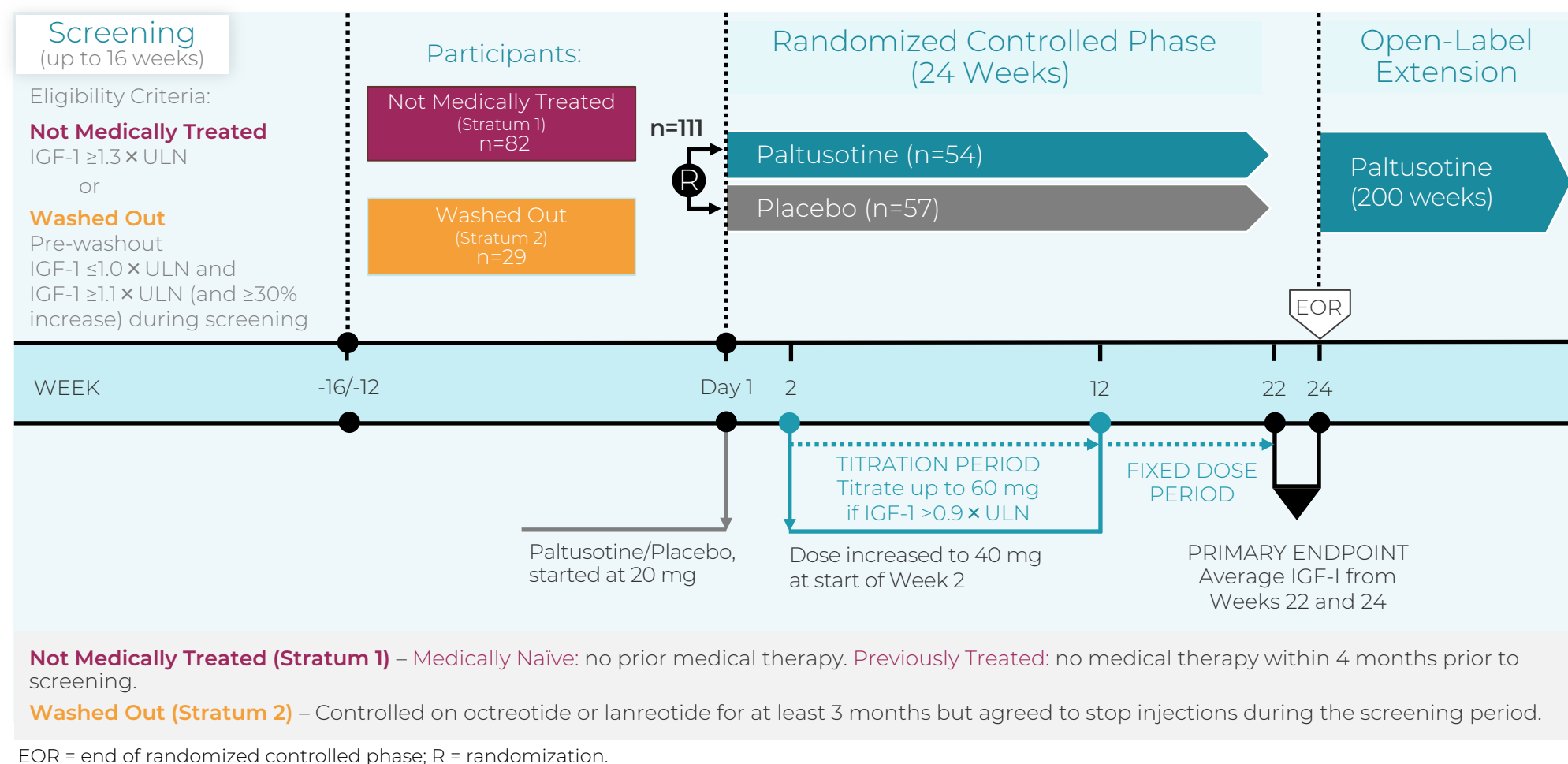
## BACKGROUND

- Paltusotine is a once-daily, non-peptide, selective SST2 receptor agonist in development as oral treatment for patients with acromegaly or carcinoid syndrome<sup>1</sup>
- PATHFNR-1: previous randomized, placebo-controlled trial
  - Maintenance of biochemical and symptom control in patients with acromegaly switched from injected depot SRL to once-daily paltusotine<sup>2</sup>

## METHODS

- PATHFNR-2: randomized, double-blind, placebo-controlled trial of paltusotine in medically untreated patients with active acromegaly
- IGF-I and GH measured centrally using IDS iSYS immunoassays
- Acromegaly Symptom Diary completed daily<sup>3</sup>
- Fixed sequential testing performed for primary and secondary endpoints

## Study Design: PATHFNR-2



**REFERENCES**  
 1. Zhao J, et al. *ACS Med Chem Lett.* 2023;14(1):66-74. 2. Gadelha MR, et al. *Endocrine Abstracts.* 2023;94:399. 3. Martin S, et al. *J Patient Rep Outcomes.* 2023;7(1):15.

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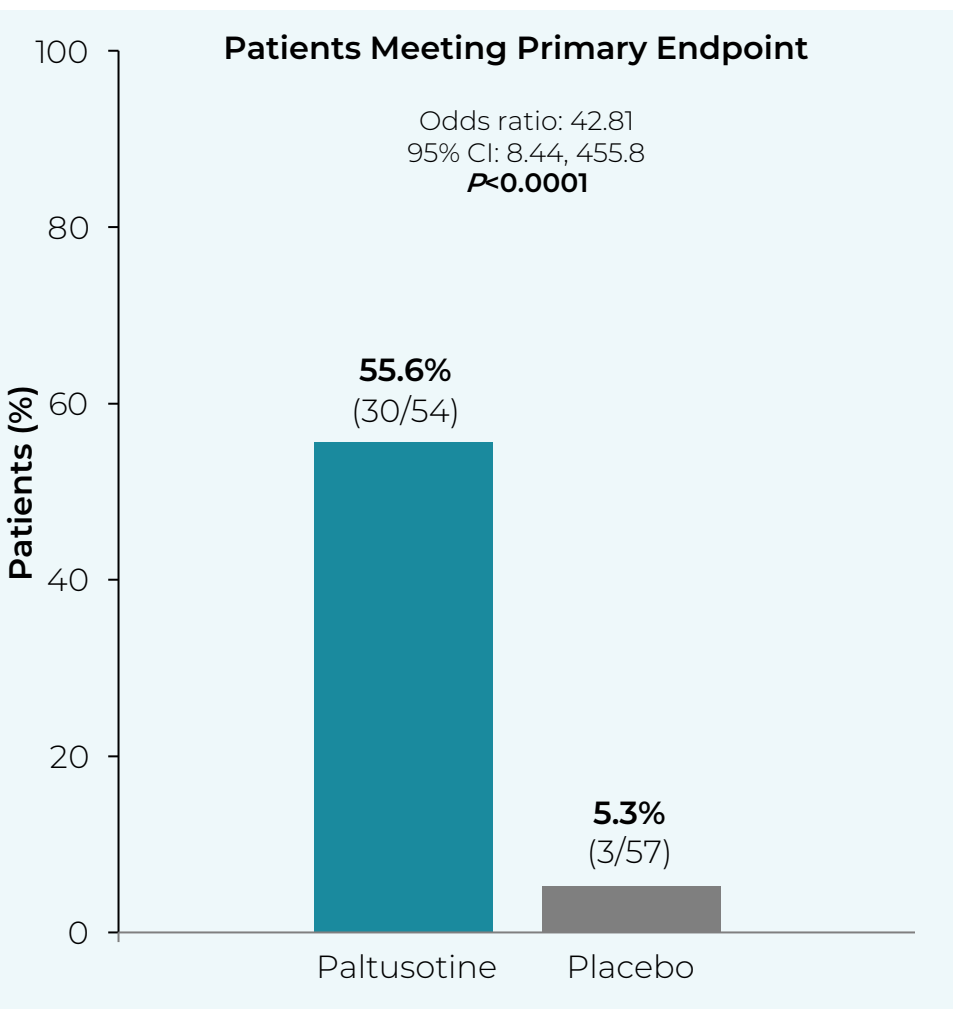
## RESULTS

### Patient Characteristics

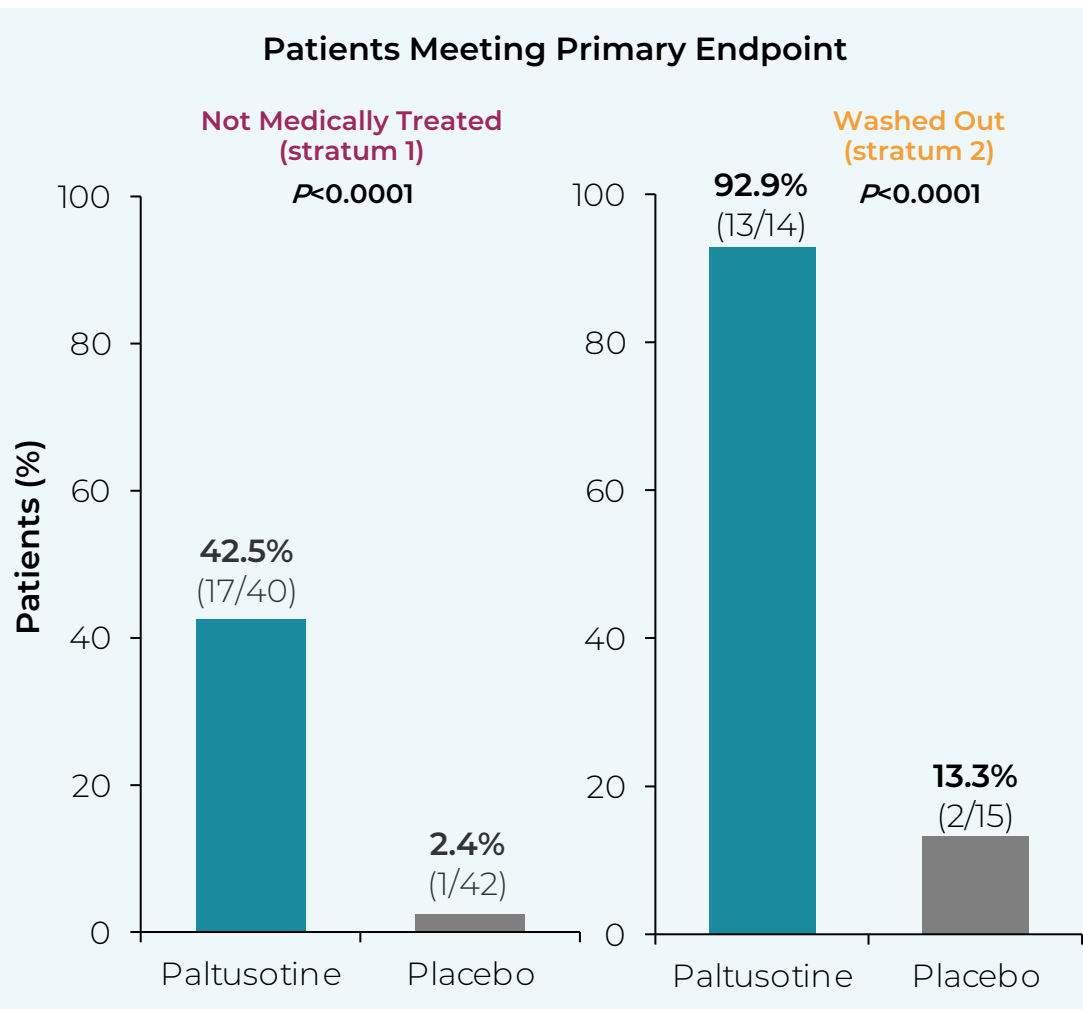
Parameters	Paltusotine (n=54)	Placebo (n=57)
Age, years, mean (SD)	47.5 (13.6)	45.9 (12.3)
Female sex, n (%)	26 (48.1)	33 (57.9)
Time since diagnosis, months, mean (SD)	97.9 (95.7)	77.1 (69.4)
Prior pituitary surgery, n (%)	50 (92.6)	49 (86.0)
Prior pituitary radiation, n (%)	2 (3.7)	3 (5.3)
Baseline IGF-I, $\times$ ULN, mean (SD)	2.0 (0.8)	2.2 (1.1)
Baseline GH, ng/mL, mean (SD), median*	3.0 (2.9), 2.1	9.4 (24.1), 2.3
Prior injected SRL (stratum 2)		
Octreotide, n (%)	6 (11.1)	11 (19.3)
Monthly dose: 10 mg/20 mg/ $\geq 30$ mg, n	0/3/3	1/4/6
Lanreotide, n (%)	8 (14.8)	3 (5.3)
Monthly dose: 60 mg/90 mg/120 mg, n	1/2/5	2/0/1

\*GH measured as the mean from 5 samples collected within a 3-hour period. GH = growth hormone; IGF-I = insulin-like growth factor-I; SRL = somatostatin receptor ligand; ULN = upper limit of normal.

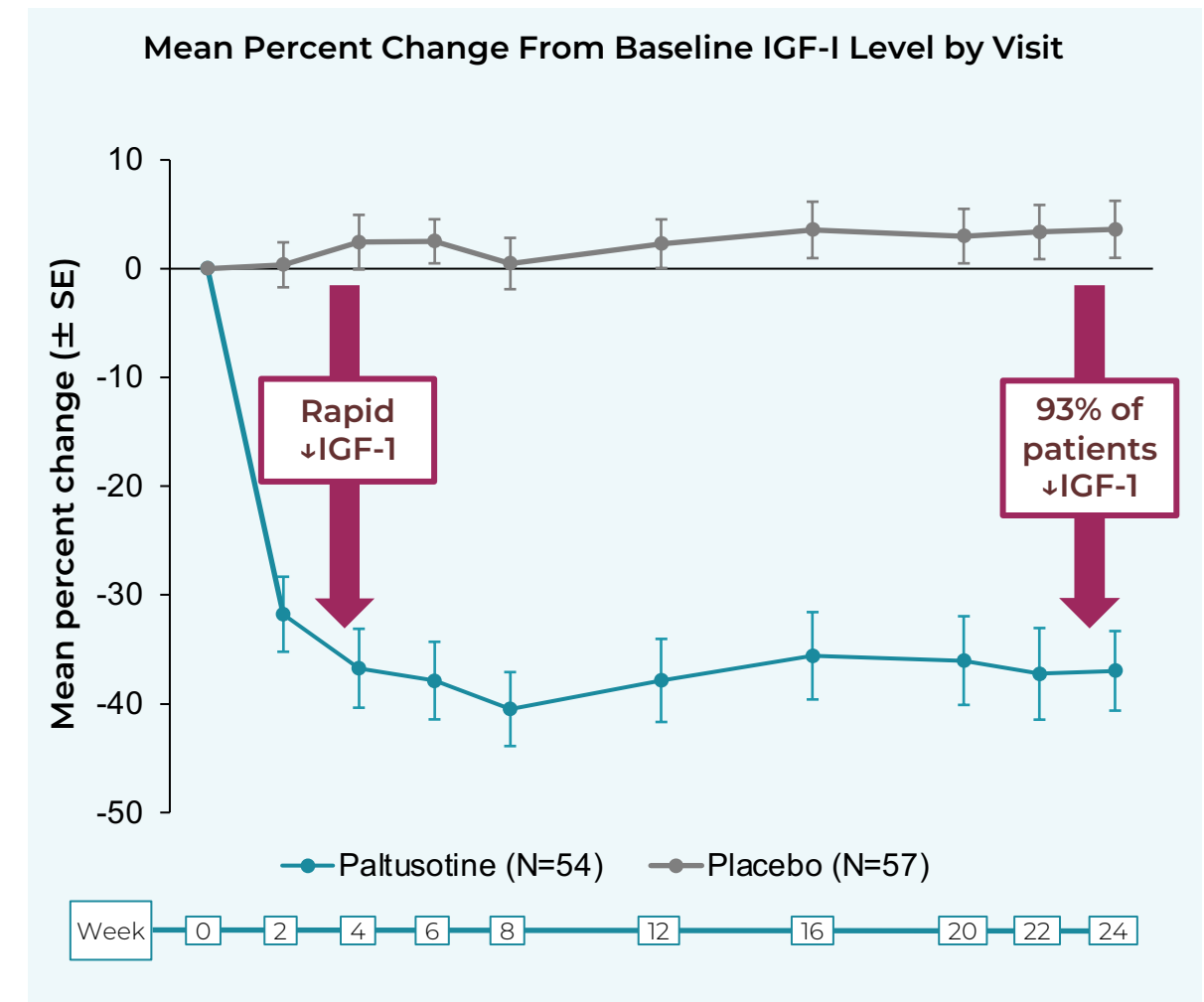
### Primary Endpoint: Patients with IGF-I $\leq 1.0 \times$ ULN at EOR



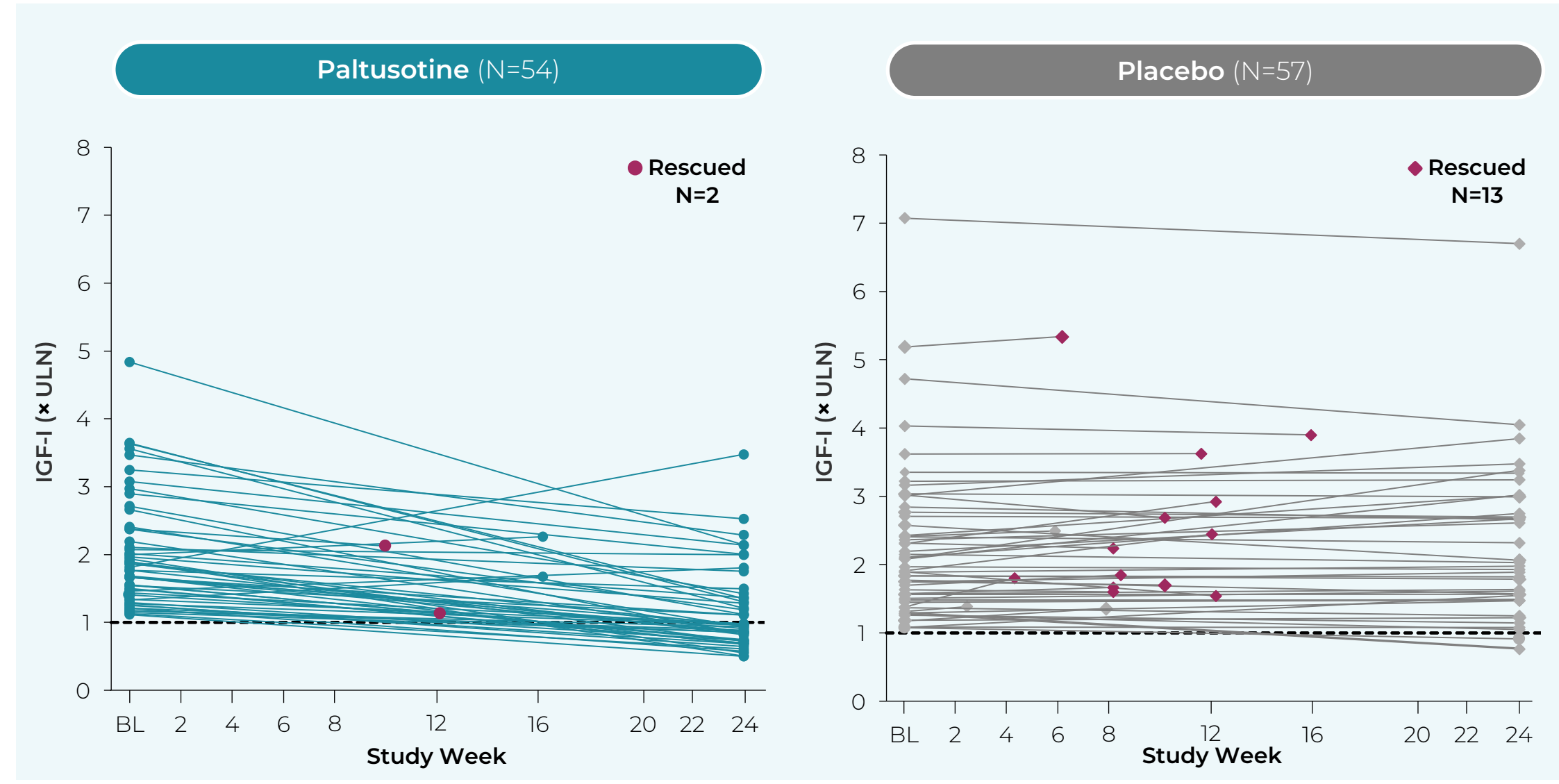
### Primary Endpoint by Stratum



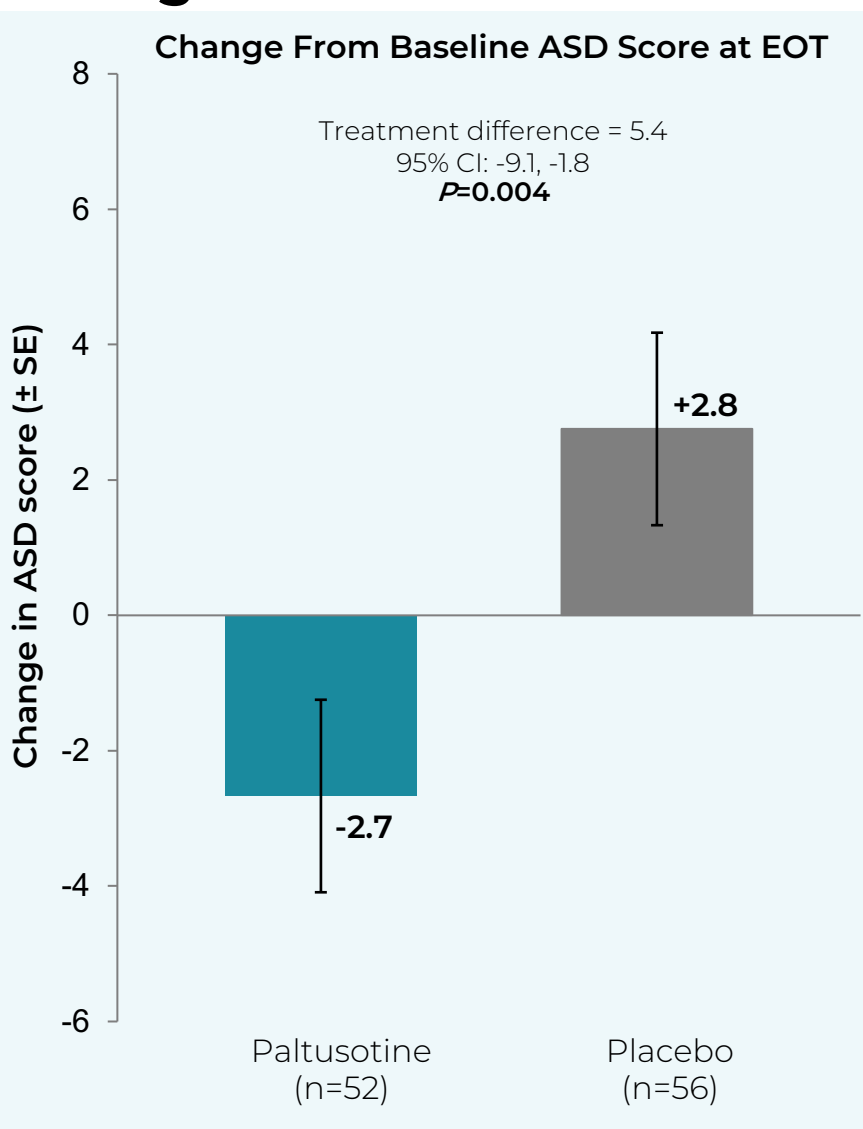
### Rapid and Durable IGF-I Decrease



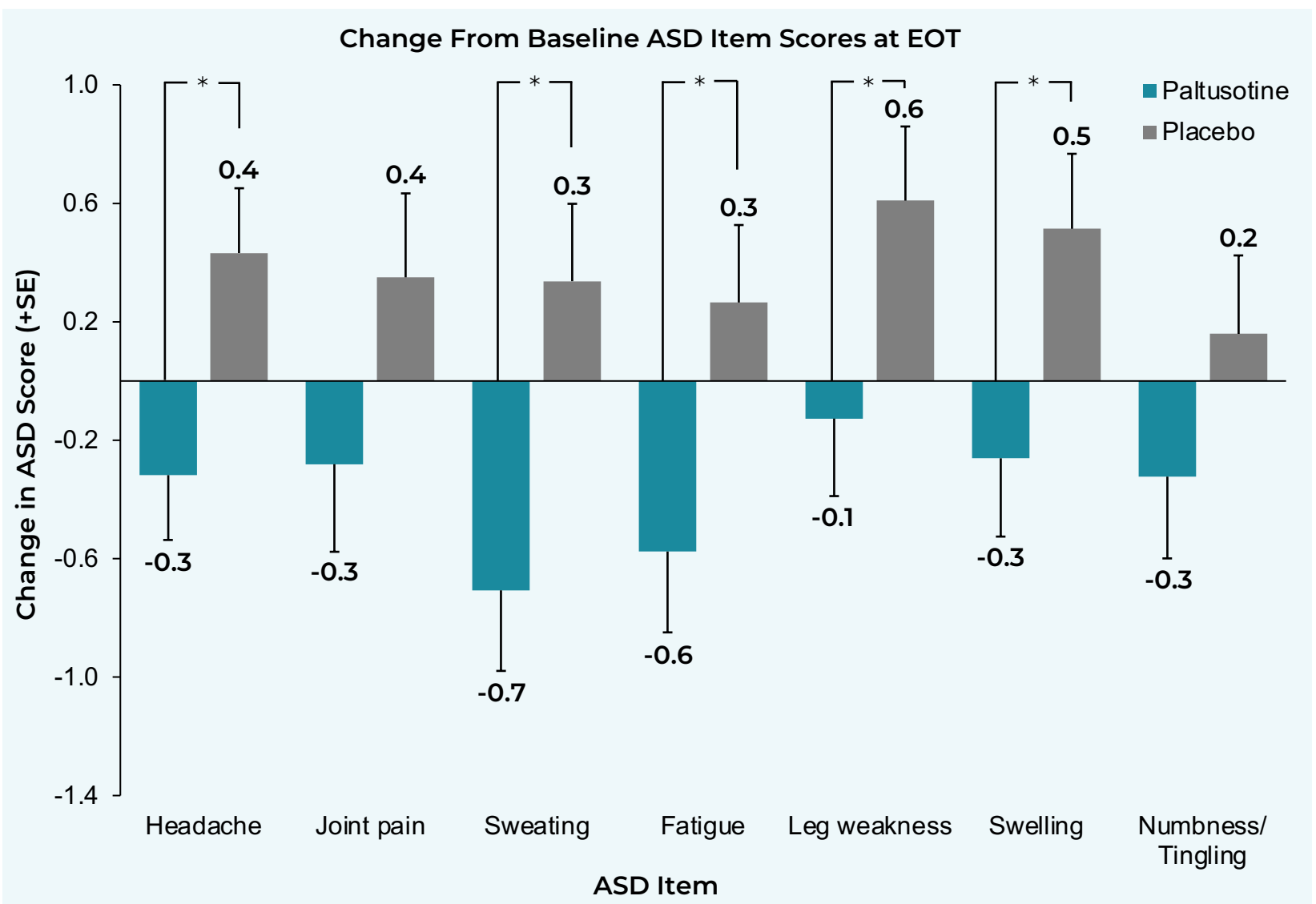
### IGF-I Change in Individual Patients



### Secondary Endpoint: Change in ASD Total Score



### Acromegaly Symptom Diary Components



Data shown as least-squares means ( $\pm$ SE) from analysis of covariance. ASD scores measured prior to rescue or treatment discontinuation. Total score range: 0-70. ASD = Acromegaly Symptom Diary; EOT (end of treatment) defined as Week 24 if no rescue medication administered, or last assessment prior to rescue.

## CONCLUSIONS

- Paltusotine demonstrated rapid and sustained response in patients with active acromegaly
- This is the second randomized, placebo-controlled trial demonstrating biochemical and symptom control of acromegaly during treatment with once-daily oral paltusotine
- Paltusotine was generally well tolerated with no new safety signals

### Summary of Adverse Events

Adverse Events, n(%)*	Paltusotine (n=54)	Placebo (n=57)
Diarrhea	18 (33.3)	10 (17.5)
<b>Headache</b>	<b>11 (20.4)</b>	<b>19 (33.3)</b>
<b>Arthralgia</b>	<b>6 (11.2)</b>	<b>13 (22.8)</b>
Abdominal pain	6 (11.1)	2 (3.5)
Upper RTI	4 (7.4)	10 (17.5)
<b>Fatigue</b>	<b>3 (5.6)</b>	<b>8 (14.0)</b>
Dyspepsia	3 (5.6)	6 (10.5)
<b>Peripheral swelling</b>	<b>2 (3.7)</b>	<b>6 (10.5)</b>

\*Incidence  $\geq 10\%$  (either group). Adverse events in bold are symptoms known to be associated with acromegaly. RTI = respiratory tract infection.

- Greater proportion of patients taking placebo experienced symptoms known to be associated with acromegaly
- No serious adverse events in paltusotine-treated patients
- Safety profile comparable to that observed in paltusotine clinical program to date

For author affiliations and disclosures, please use the QR code.



## AFFILIATIONS

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## DISCLOSURES

BMKB reports being a PI of research grants from Crinetics and Ionis; and occasional consultant for Amolyt, Amryt, Camurus, Crinetics, and Recordati. AE reports being a PI/SI of research grants from Pfizer, Novartis, and Novo Nordisk; and a PI in clinical trials for Corcept Therapeutics, Crinetics Pharmaceuticals, Xeris Pharmaceuticals, and Recordati Rare Diseases. CLB reports receiving consulting fees, honoraria, and meeting support from Ipsen, Novo Nordisk, and Recordati; and serving on advisory boards for Novo Nordisk and Recordati. RSJ reports being a PI of a research grant from Crinetics. EH reports nothing to disclose. PKF reports being a PI of research grants from Crinetics and Corcept; a consultant for Regeneron and Quest Diagnostics; and an advisory board member for Amryt, Camurus, Crinetics, and Xeris. MF reports receiving occasional consulting fees from Camurus, Crinetics and Recordati; and being a PI of research grants from Crinetics. PJS reports being a PI of a research grant from Crinetics. M Bidlingmaier reports being a PI of research grants from Amolyt, Camurus, Chiasma, Crinetics, IDS, Ionis, Lumos, and OPKO; occasional consultant for Crinetics, Ionis, Novo Nordisk, Pfizer, Roche, and Sandoz; and speaker for Euroimmun, Novo Nordisk, and Pfizer. M Buchfelder reports being a PI of a research grant from Crinetics. CJS reports being a PI of a research grant from Crinetics to Charité Universitaetsmedizin; and occasional consultant/speaker for Amolyt Pharma, Crinetics, Debiopharm, Novo Nordisk, Pfizer, Recordati, and Sandoz-Hexal. MRG reports being a PI of research grants from Crinetics and Recordati; occasional consultant for Crinetics, Ipsen, Novo Nordisk, and Recordati; and speaker for Ipsen, Novo Nordisk, and Recordati. AC, BH, PJT, RSS, and AK are employees and stock shareholders of Crinetics Pharmaceuticals.