

Once-Daily Oral Paltusotine in the Treatment of Patients With Biochemically Uncontrolled Acromegaly: Interim Results of the PATHFNDR-2 Open-Label Extension

MON-069

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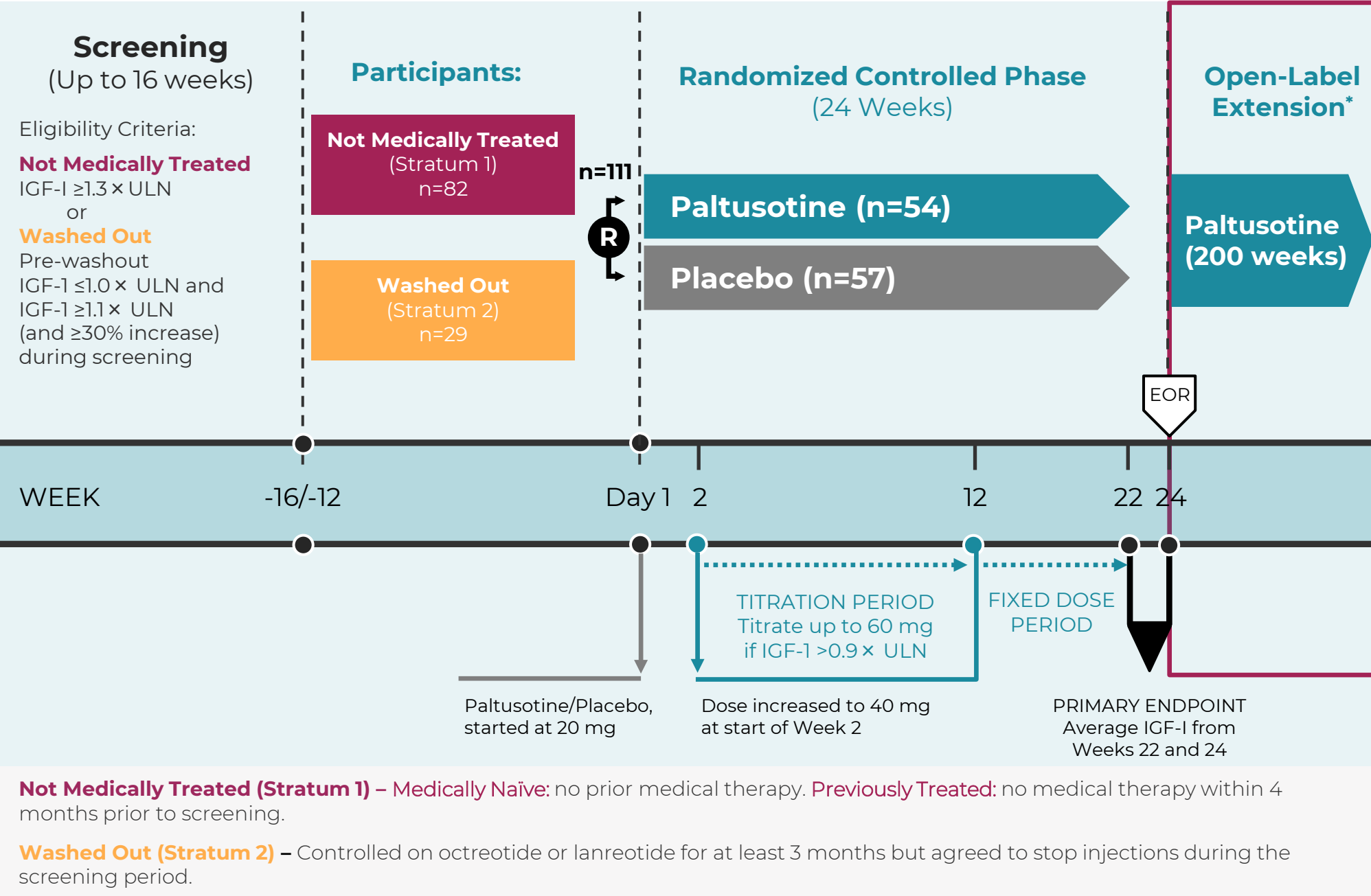
BACKGROUND

- Paltusotine is a non-peptide, selective somatostatin 2 (SST2) receptor agonist in development as a once-daily oral treatment for patients with acromegaly or carcinoid syndrome¹
- PATHFNDR-2 was a randomized, double-blind, placebo-controlled trial that demonstrated a rapid and durable response for paltusotine in medically untreated patients with biochemically uncontrolled acromegaly

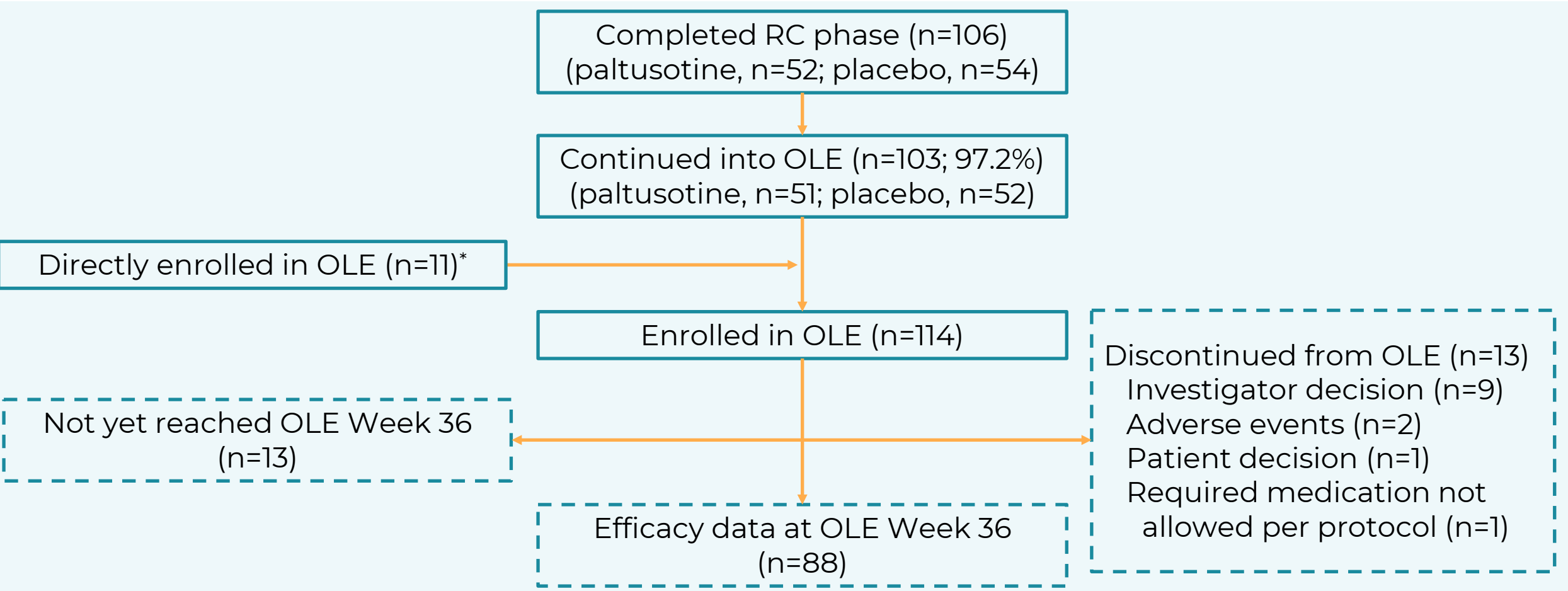
STUDY DESIGN

- The ongoing PATHFNDR-2 open-label extension (OLE) is evaluating the efficacy and safety of longer-term treatment with paltusotine
 - OLE starting dose of 20 mg/day, titrated to 40 mg/day based on tolerability at OLE Week 2, and optional titration to 60 mg/day based on IGF-I levels
 - Adjunctive acromegaly medication (eg, cabergoline, pegvisomant) is permitted beginning at OLE Week 24 at the investigator's discretion
 - MRI scans are performed locally and read by a central radiologist

PATHFNDR-2 Study Design

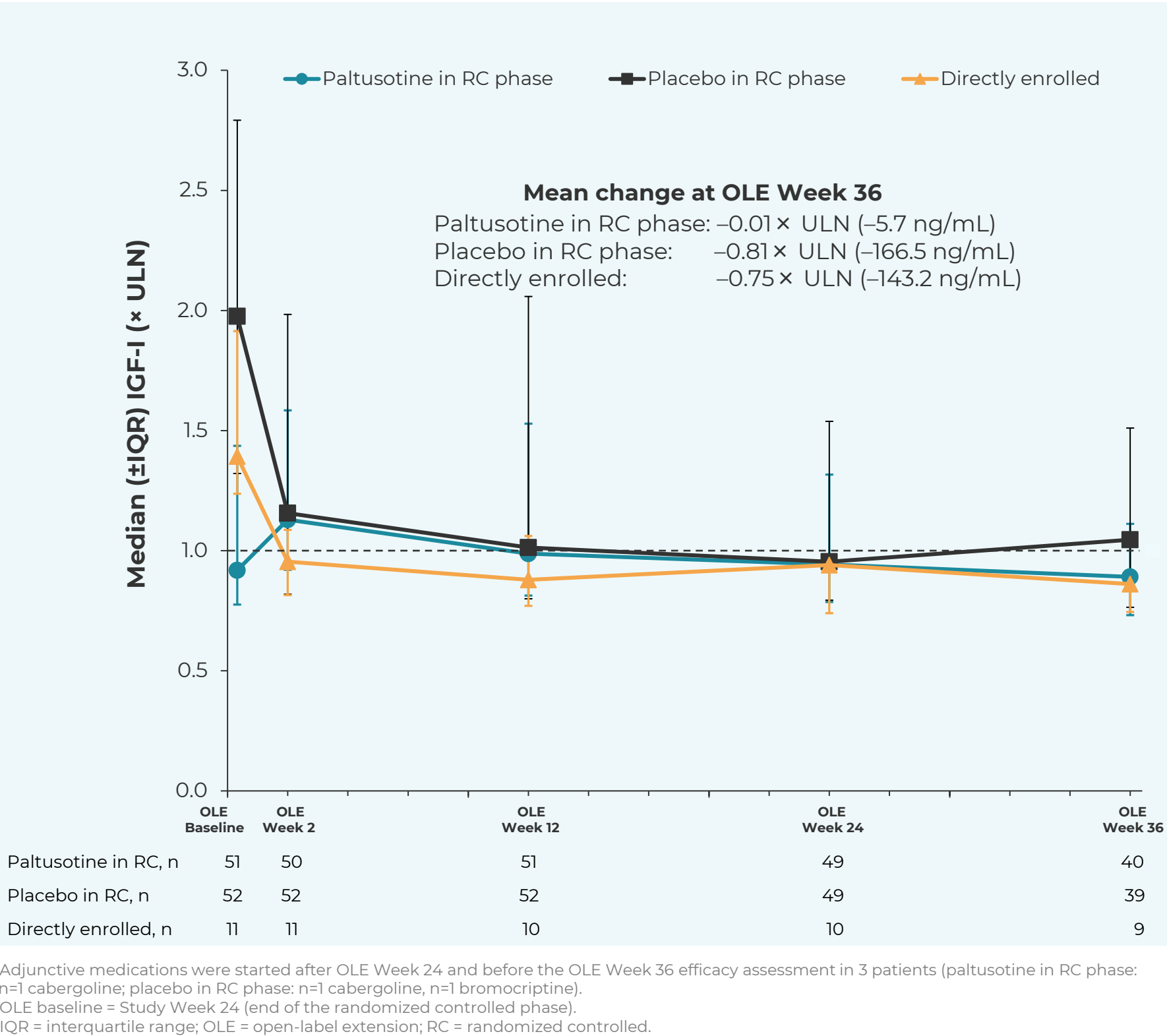


Patient Disposition



Dashed boxes show patient disposition as of this interim analysis.
*Met eligibility criteria for RC phase; were in screening process when target enrollment reached.
OLE = open-label extension; RC = randomized controlled.

IGF-I Levels Were Decreased in Patients Newly Treated With Paltusotine and Maintained in Previously Treated Patients



Adjunctive medications were started after OLE Week 24 and before the OLE Week 36 efficacy assessment in 3 patients (paltusotine in RC phase: n=1 cabergoline; placebo in RC phase: n=1 cabergoline, n=1 bromocriptine).
OLE baseline = Study Week 24 (end of the randomized controlled phase).
IQR = interquartile range; OLE = open-label extension; RC = randomized controlled.

RESULTS

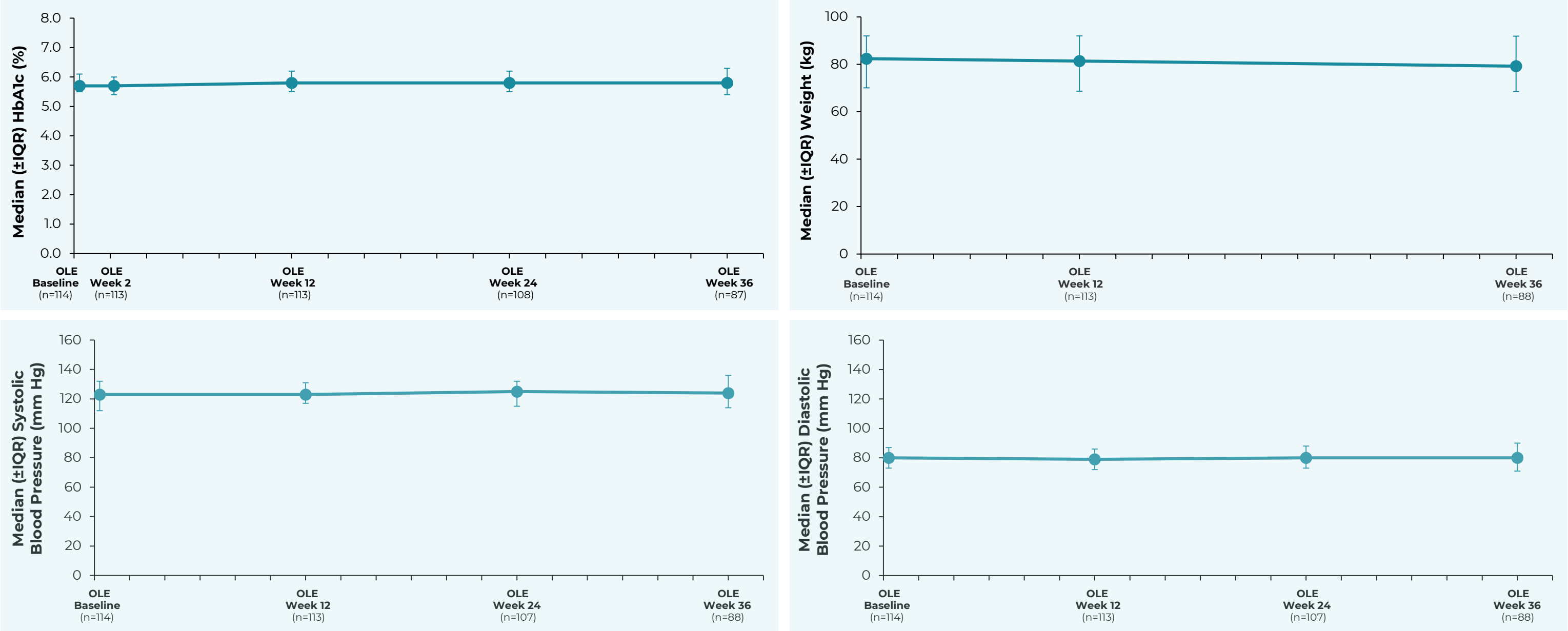
Patient Characteristics

Parameters	Paltusotine in RC (n=51)	Placebo in RC (n=52)	Directly Enrolled (n=11)	All Patients (n=114)
Age, years, mean (SD)	47.5 (13.3)	45.5 (11.7)	58.4 (8.6)	47.7 (12.7)
Female, n (%)	26 (51.0)	29 (55.8)	4 (36.4)	59 (51.8)
Time since diagnosis, years, mean (SD)	8.0 (8.1)	6.0 (5.2)	14.9 (5.5)	7.8 (7.1)
Prior pituitary surgery, n (%)	47 (92.2)	45 (86.5)	10 (90.9)	102 (89.5)
Prior pituitary radiation, n (%)	2 (3.9)	3 (5.8)	0	5 (4.4)
OLE baseline IGF-I, $\times$ ULN, mean (SD)	1.17 (0.57)	2.12 (1.12)	1.55 (0.34)	1.64 (0.96)
Received rescue medication in RC, n	1	12	–	–

OLE baseline = Study Week 24 (end of the randomized controlled phase).
OLE = open-label extension; RC = randomized controlled.

- GH levels were reduced in patients newly treated with paltusotine and maintained in previously treated patients
- Acromegaly Symptom Diary scores were stable from OLE baseline through OLE Week 36

HbA1c, Blood Pressure, and Weight Were Stable During Treatment With Paltusotine (All Patients)



HbA1c = hemoglobin A1c; IQR = interquartile range; OLE = open-label extension.

CONCLUSIONS

- During treatment with once-daily oral paltusotine, IGF-I levels decreased rapidly in patients who had received placebo during the RC phase and patients with elevated IGF-I who were directly enrolled into the OLE
- Previously observed decreases in IGF-I were sustained in patients who continued on paltusotine
- Paltusotine was well tolerated during longer-term treatment

SAFETY

Adverse Events: Open-Label Extension

AEs, n (%)	Paltusotine in RC phase (n=51)	Placebo in RC phase (n=52)	Directly Enrolled (n=11)	Overall (n=114)
Any AE	42 (82.4)	47 (90.4)	10 (90.9)	99 (86.8)
Treatment-related SAE*	3 (5.9)	0	0	3 (2.6)
AE leading to discontinuation†	0	2 (3.8)	0	2 (1.8)
Most common AEs (incidence >5% in the overall patient population)				
Diarrhea	2 (3.9)	11 (21.2)	1 (9.1)	14 (12.3)
Hyperglycemia	6 (11.8)	5 (9.6)	2 (18.2)	13 (11.4)
Urinary tract infection	6 (11.8)	5 (9.6)	0	11 (9.6)
Headache	4 (7.8)	5 (9.6)	1 (9.1)	10 (8.8)
Arthralgia	4 (7.8)	4 (7.7)	0	8 (7.0)
Upper respiratory tract infection	3 (5.9)	5 (9.6)	0	8 (7.0)
Cholelithiasis	5 (9.8)	2 (3.8)	0	7 (6.1)

*Cholelithiasis and gastritis in 1 patient each; sinus arrest and biliary colic in 1 patient.
†Mild lipase increase and aggressive pituitary tumor in 1 patient each.

- At OLE Week 24 (last available timepoint), 7 of 83 patients had a reduction in pituitary tumor volume of $>20\%$ from OLE baseline: 6 patients who had received placebo in the RC phase and 1 directly enrolled patient

REFERENCE

1. Zhao J, et al. *ACS Med Chem Lett.* 2023;14(1):66-74.

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AUTHOR DISCLOSURES

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