

Rhythm Pharmaceuticals

Corporate Presentation

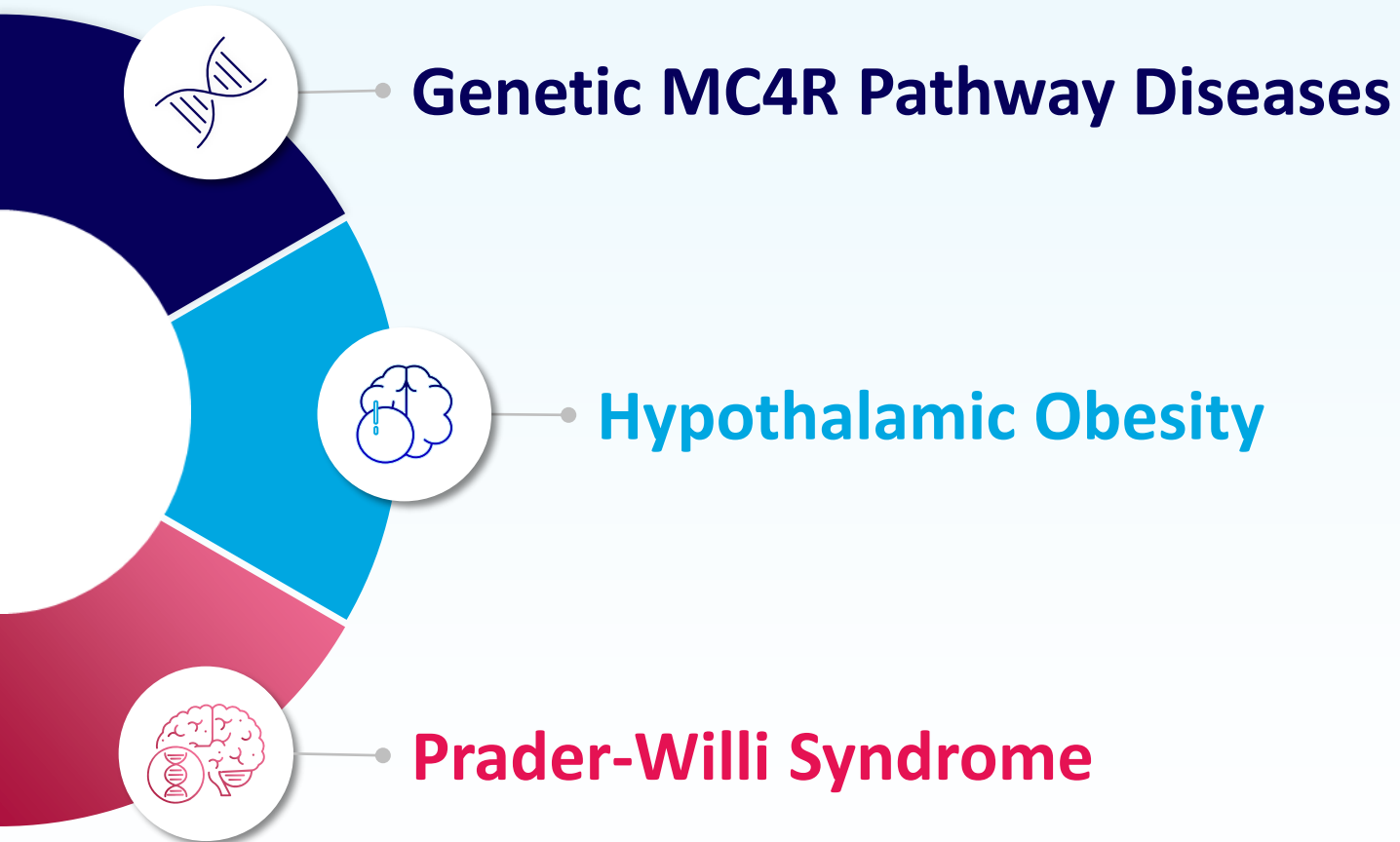
September 2026



Forward-looking Statements

This presentation and the accompanying oral presentation contain forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements contained in this presentation that do not relate to matters of historical fact should be considered forward-looking statements, including, without limitation, statements regarding the safety, efficacy, potential benefits of, and clinical design or progress of any of our products or product candidates at any dosage or in any indication, including, setmelanotide, bivalmelagon, and RM-718; the use of setmelanotide in patients with acquired hypothalamic obesity (HO) and the success of our commercial launch; our expectations surrounding potential regulatory submissions, progress, or approvals and timing thereof for any of our product candidates, including anticipated launch in Japan and launches in the European Union and the timing thereof; the commercial growth of IMCIVREE; the estimated market size and addressable population for our drug products, including setmelanotide for the treatment of acquired HO; the future announcement of data from our ongoing clinical trials, including the substudy evaluating setmelanotide for patients with congenital hypothalamic obesity, Part C and Part D of the Phase 1 trial evaluating RM-718, and the open-label Phase 2 trial evaluating setmelanotide in patients with PWS, and ongoing enrollment in our clinical trials; existing or future collaboration agreements; the Company's business strategy and plans; our anticipated financial performance and financial position for any period of time, including our estimated Non-GAAP Operating Expenses for the year ending December 31, 2026; and the sufficiency of our cash, cash equivalents and short-term investments to fund our operations for at least 24 months; and the timing of any of the foregoing. Statements using words such as "expect", "anticipate", "believe", "may", "will", "aim" and similar terms are also forward-looking statements. Such statements are subject to numerous risks and uncertainties, including, but not limited to, our ability to enroll patients in clinical trials, the design and outcome of clinical trials, the impact of competition, the ability to achieve or obtain necessary regulatory approvals, risks associated with data analysis and reporting, unfavorable pricing regulations, third-party reimbursement practices or healthcare reform initiatives, risks associated with the laws and regulations governing our international operations and the costs of any related compliance programs, our ability to successfully commercialize setmelanotide, our liquidity and expenses, our ability to retain our key employees and consultants, and to attract, retain and motivate qualified personnel, and general economic conditions, and the other important factors, including those discussed under the caption "Risk Factors" in Rhythm's Quarterly Report on Form 10-Q for the quarter ended June 30, 2026 and our other filings with the Securities and Exchange Commission. Except as required by law, we undertake no obligations to make any revisions to the forward-looking statements contained in this presentation or to update them to reflect events or circumstances occurring after the date of this presentation, whether as a result of new information, future developments or otherwise.

MC4R Agonism Development Across Three Pillars



Next-generation MC4R agonists

RM-718
(weekly injection)

Bivamelagon
(daily oral)

IMCIVREE[®]
(setmelanotide) injection

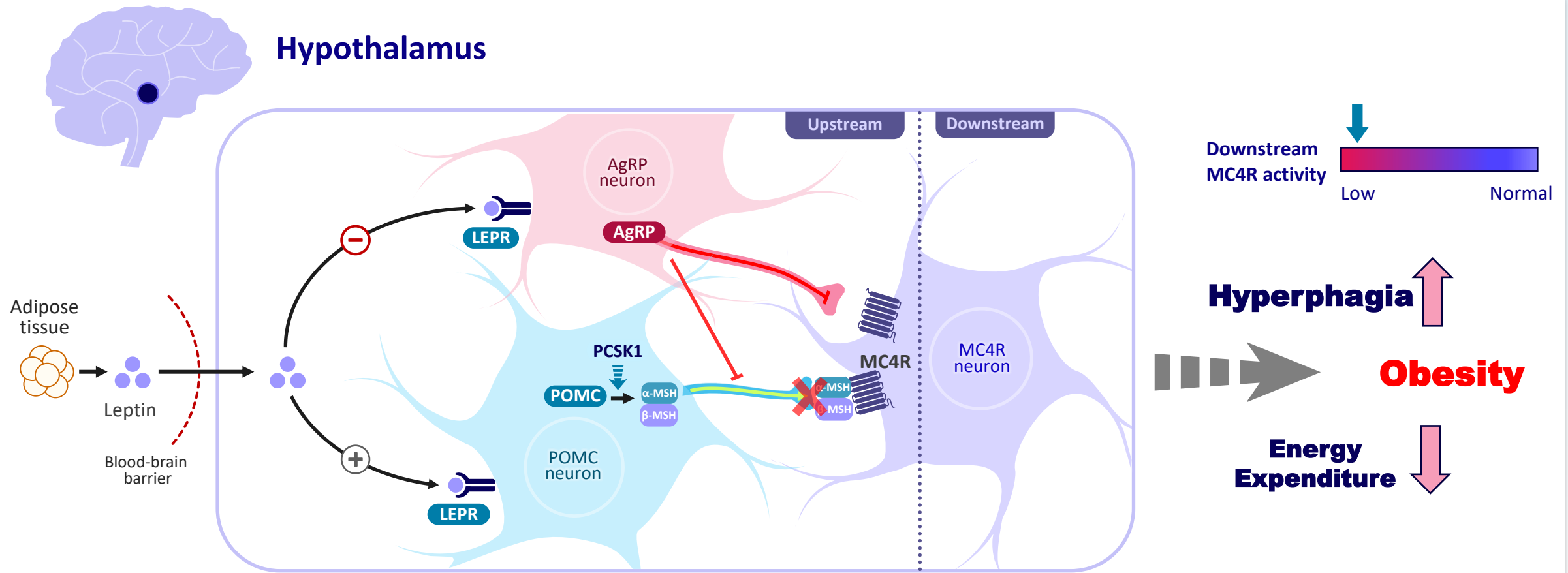
**Global commercial foundation
established by IMCIVREE in BBS**

IMCIVREE: First and Only Therapy Approved for Acquired HO

- ✓ U.S. launch underway following March 19th FDA Approval
- ✓ Japan's MHLW Granted Marketing Authorization; launch anticipated by year-end 2026
- ✓ European Commission Granted Marketing Authorization; country-level launches expected to begin in 2027



MC4R Pathway Biology is Clear



AgRP, agouti-related peptide; LEPR, leptin receptor; MC4R, melanocortin-4 receptor; MSH, melanocyte-stimulating hormone; PCSK1, proprotein convertase subtilisin/kexin type 1; POMC, proopiomelanocortin.

1. Abuzzahab et al. *Horm Res Paediatr*. 2019;91:128-136. 2. Erfurth. *Neuroendocrinology*. 2020;110:767-779. 3. Rose et al. *Obesity (Silver Spring)*. 2018;26:1727-1732. 4. Roth. *Front Endocrinol (Lausanne)*. 2011;2:49.

Patient Spotlight: Living with Acquired Hypothalamic Obesity

Setmelanotide Patient Isaac



"Everything with day-to-day life was harder for him. Dealing with hyperphagia on top of that...he would suffer, his quality of life was not good"

"He was so overweight that everything was a struggle."

- Brenda, mother of Isaac (diagnosed with acquired HO at 6 years old)

6 YEARS OLD:

Developed acquired HO following a craniopharyngioma; loses vision as result of tumor

7-8 YEARS OLD:

Severe hyperphagia, undergoes 3 brain surgeries

9 YEARS OLD:

Hyperphagia, obesity worsen, weight reaches 144 lbs; referred to endo and enrolled in Ph2 trial

NOW – 13 YEARS OLD:

Significant reductions in weight and hunger

Expanding Pipeline in Rare Neuroendocrine Diseases

	Patient Population	Pre-clinical	Phase 1/2	Phase 3	Regulatory Approval
Setmelanotide ¹ <i>daily sc injection</i>	Acquired hypothalamic obesity				US, EU, UK, Japan
	Bardet-Biedl syndrome or biallelic POMC, PCSK1 or LEPR deficiency				US, EU, UK, Canada
Setmelanotide <i>daily sc injection</i> [^]	 Congenital hypothalamic obesity ²				
	Prader-Willi syndrome				
Bivamelagon <i>daily oral formulation</i> [^]	Acquired hypothalamic obesity				Phase 3 Preparation
RM-718 <i>weekly sc injection</i> [^]	Acquired hypothalamic obesity				
	Prader-Willi syndrome				
Pre-clinical	Congenital hyperinsulinism (CHI)				

Complete Ongoing

Significant Market Opportunity for MC4R Agonists

U.S. patent protection for next-generation assets bivamelagon and RM-718 extends into 2040s

IMCIVREE approved in
U.S., EU,+

4,000 – 5,000*
Bardet-Biedl syndrome

600 – 2,500*
POMC, PCSK1 and LEPR
deficiencies

IMCIVREE approved in U.S.,
EU, Japan for acquired HO

~10,000
estimated U.S. prevalence¹

~10,000
estimated European prevalence²

5,000 – 8,000
estimated Japanese prevalence³

Prader-Willi
syndrome

8,500 -12,750
Estimated PWS patients living
with hyperphagia/obesity in each
of the U.S. and Europe⁴⁻⁹

*Estimated prevalence of U.S. patients based on company estimates; does not include ex-U.S. prevalence estimates. Estimated U.S. patients based on population with early-onset, severe obesity who may benefit from setmelanotide based on sequencing results that factor in variant classifications, as applicable, current estimated responder rates and that 1.7% of the U.S. population (328M; 2019 US census) presents with severe early onset obesity (Hales et al 2018); ~95% of individuals with severe early onset obesity remain obese into adulthood (Ward et al 2017). **Estimated prevalence in United States of SH2B1 and POMC and/or PCSK1 cohorts.

1. U.S. estimates based on reported incidence of hypothalamic obesity following craniopharyngioma and long-term survival rates, (Zacharia, et al., *Neuro-Oncology* 14(8):1070–1078, 2012. doi:10.1093/neuonc/nos142; and Muller, et al., *Neuro-Oncology* 17(7), 1029–1038, 2015 doi:10.1093/neuonc/nov044.) and company estimates of other tumor types; 2. European estimates limited to the EU4 (Germany, France, Spain, Italy), UK and the Netherlands and prevalence of 0.1-0.3 in 10,000 patients; 3. Rhythm estimates the prevalence of acquired hypothalamic obesity in Japan to be approximately 5,000 to 8,000 based on our review of tumor registries and claims data. 4. National Center for Health Statistics (CDC), Final Natality Data (1954–2023); 5. Gallagher L, et al. *A population-based profile of Prader-Willi Syndrome in Ireland*. 2017; 6. Godler DE, et al. *JAMA Netw Open*. 2022; 7. U.S. Prevalence & Mortality of Prader-Willi Syndrome: A Population-Based Study of Medical Claims, JESOCI, Volume 4, Abstract Supplement, 2020; 8. [a-population-based-profile-of-prader-willi-syndrome-in-ireland-final-report.pdf](#); 9. [Prader-Willi Syndrome - GeneReviews® - NCBI Bookshelf](#)

Well Capitalized: Cash Sufficient to Fund Planned Operations for at least 24 Months

\$330.9M

Cash, cash equivalents
and short-term
investments as of
June 30, 2026

Guidance

RYTM expects cash to
be sufficient to fund
planned operations
for **at least 24 months**

68.6 Million

Common shares
outstanding as of
June 30, 2026

Rhythm Leadership – Strong Team with Broad Biopharma Experience



David Meeker, MD
*Chair, President and
Chief Executive Officer*



Hunter Smith
Chief Financial Officer



Jennifer Lee
*Executive Vice
President, Head of
North America*



Yann Mazabraud
*Executive Vice
President,
Head of International*



Joe Shulman
*Chief Technology
Officer*



**Alastair Garfield,
PhD**
Chief Scientific Officer



AJ Joshi, MD
Chief Medical Officer



*25-plus years; focus
on rare genetic
disease treatments,
including
Aldurazyme®,
Fabrazyme® and
Myozyme®*



*20-plus years in
finance, M&A,
capital markets;
financial leadership
for Otezla®*



*20-plus years leading
global commercial
strategy in rare
diseases*



*20-plus years leading
global commercial
strategy in rare
diseases*



*20-plus years
experience leading
CMC, supply chain
planning and quality
assurance and
control*



*20 years experience
in neurobiology of
appetite /body
weight regulation;
rare disease drug
discovery*



*20 years of rare
disease leadership
across clinical
development,
regulatory strategy
and medical affairs*

Multiple Anticipated Milestones

H2 2026

Complete enrollment in the **Ph1/2, Part D trial** evaluating **RM-718 (weekly injectable)** in **Prader-Willi syndrome**

H2 2026

Complete enrollment in **substudy** evaluating **setmelanotide** in **congenital HO**

YE 2026

Launch **IMCIVREE** for **acquired HO** in **Japan**

YE 2026

Initiate **pivotal Ph3 trial** evaluating **bivamelagon (daily oral)** in **acquired HO**

2027

Anticipated **European launches** of **IMCIVREE** for **acquired HO**

IMCIVREE Global Commercial Execution

IMCIVREE available in >25 countries outside the United States for BBS and/or POMC/LEPR Deficiencies



Supporting Long-Term Growth

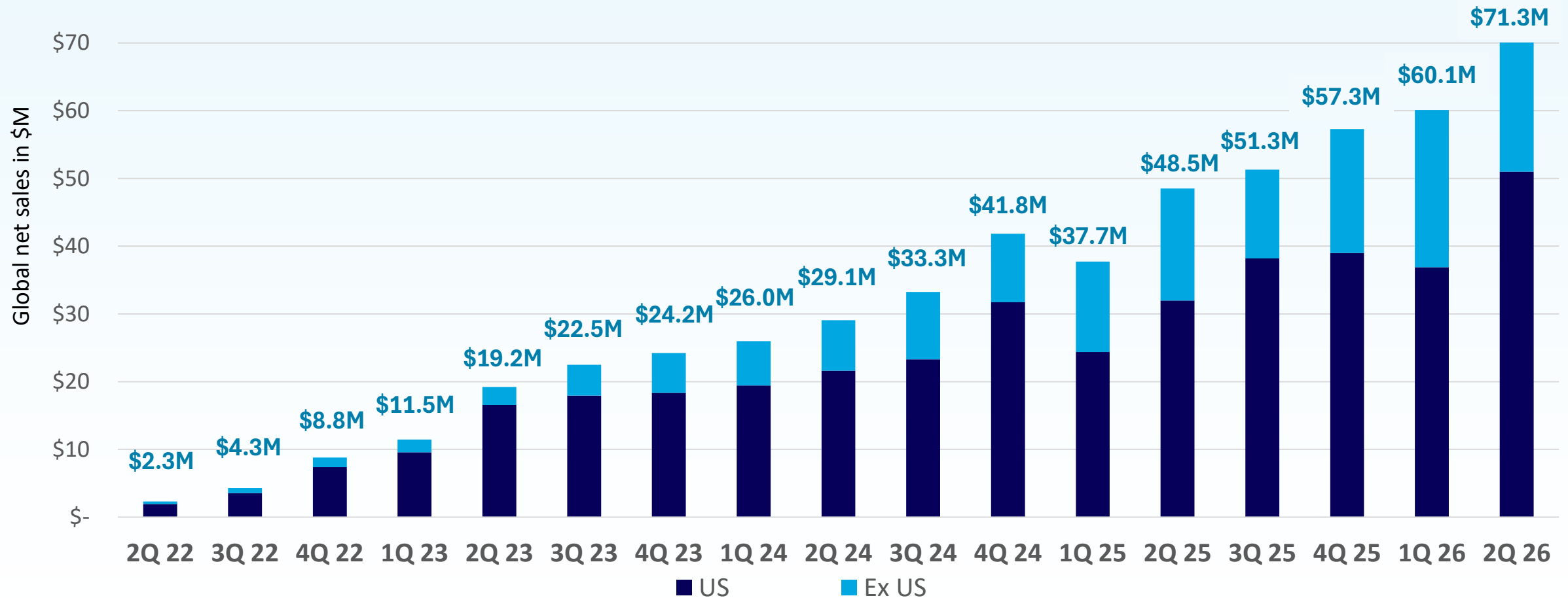
Established global commercial infrastructure

Upcoming Ex-US Launches in aHO

Focused on reaching more patients globally

Steady Growth in Net Product Revenues since BBS Launch

FDA approved IMCIVREE for BBS in June 2022



HO US Launch: Strong Patient Demand and Early Uptake in first 14 weeks



Start Forms

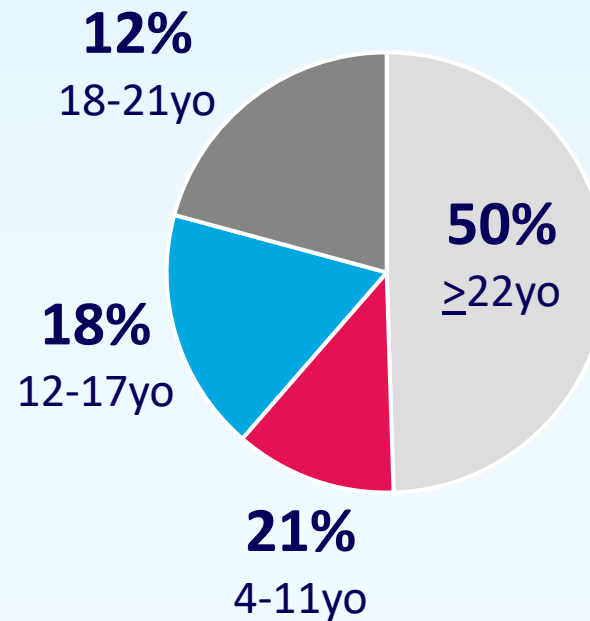
>400

Patient Start Forms

Inclusive of **66**
start forms from
clinical trial patients



Patients by age



Hypothalamic injury

~15%
within two years

~50%
>10 years

Note: Between FDA approval on March 19, 2026 and June 30, 2026; yo = years old

HO US Launch: Broad Prescriber Activation and Engagement



Prescribers

~300

Unique prescribers

~20%

Repeat aHO Prescribers



Specialty

43%

Adult Endocrinologist

37%

Pediatric Endocrinologist



Priority Accounts

~65%

Activated

~25%

of Prescriptions

Note: Between FDA approval on March 19, 2026 and June 30, 2026.

HO US Launch: Encouraged by Early Payer Engagement

Majority of early approvals came at prior authorization without aHO specific policy in place

Payer engagement continues with majority of P&T meetings expected by year end



Payers

Positive policies secured

25%

of Medicaid covered lives

35%

of commercial covered lives

Note: Between FDA approval on March 19, 2026 and June 30, 2026.

Setmelanotide in Hypothalamic Obesity

Acquired and Congenital

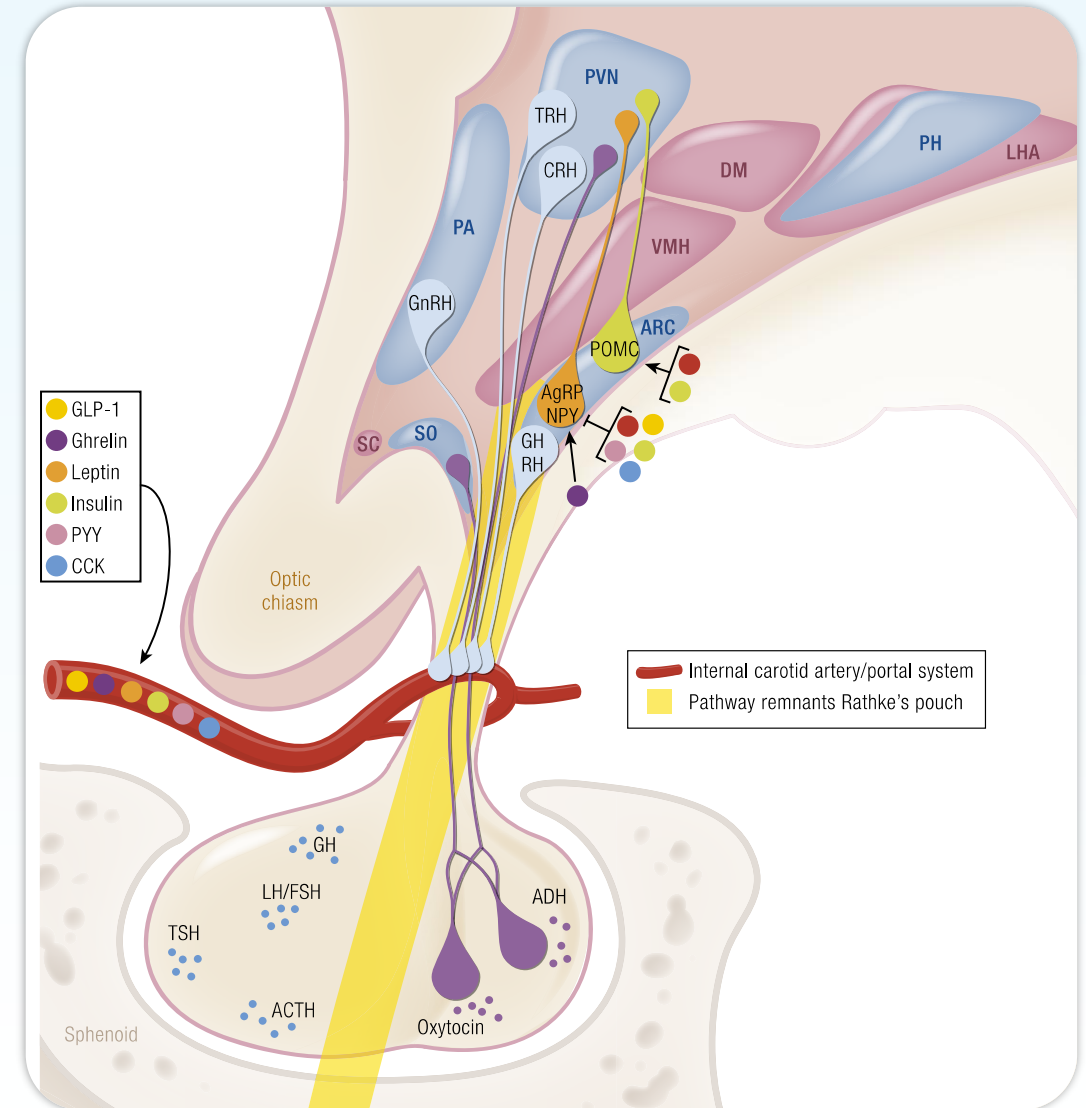
Hypothalamic Obesity: A Rare, Acquired Form of Obesity Following Injury to the Hypothalamic Region

Craniopharyngioma (CP) and **other suprasellar brain tumors** and treatment – tumor resection surgery and radiation – is most common cause

MC4R pathway deficiency following injury to hypothalamic region causes reduced energy, hyperphagia and rapid-onset, severe obesity

IMCIVREE is the only approved treatment for HO

van Iersel et al. Endo Rev. 2020 (PMID: 30247642)



Severe, Life-long Burden for Patients with Acquired HO

Frequent visits with multiple specialists, a complex regimen of medications, and hospitalization

“Treatment of patients with tumor/treatment-related hypothalamic obesity in the first two years following surgical treatment or radiotherapy”

Müller et al., 2025

scientific reports

3.7
23%

average hospitalizations during the two years following index;

included ICU admission in the first year

12
20

average number of general practitioner visits and

specialist visits, during the two years following index

5.5

average active prescriptions per quarter

22.1

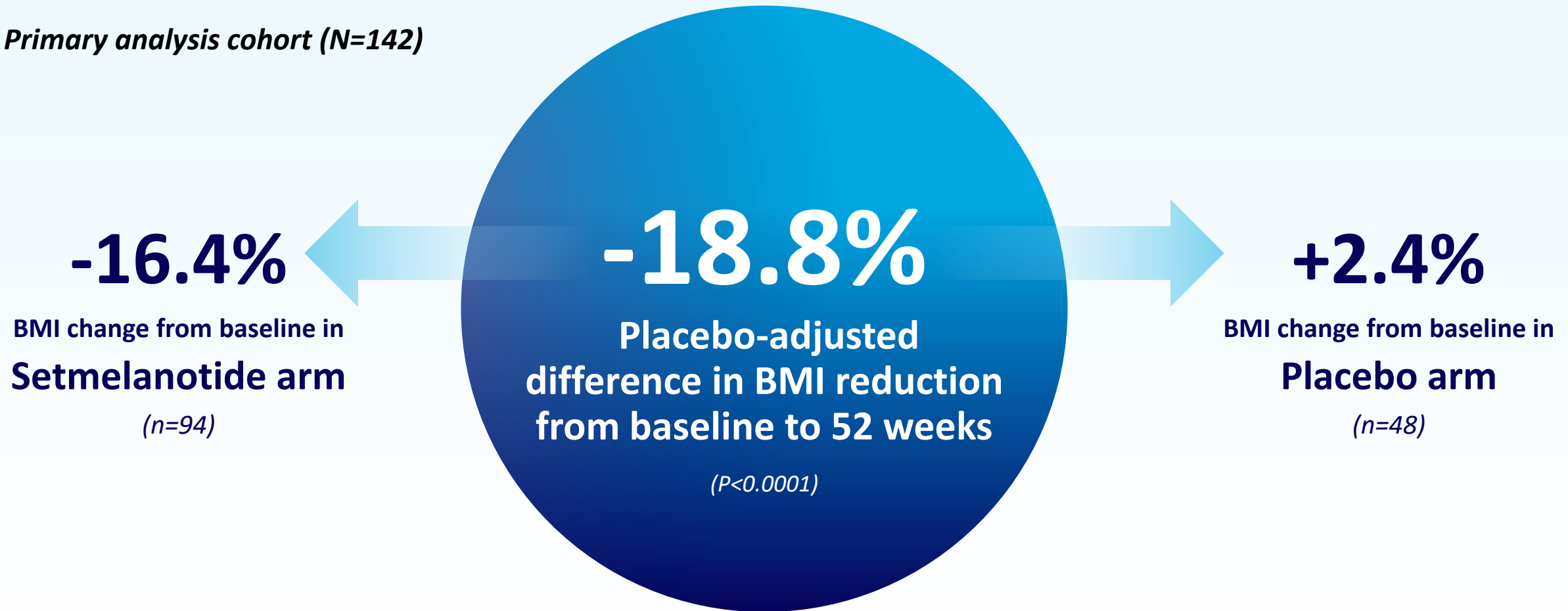
average number of unique medications over 2 years

89%

were receiving ≥ 3 therapies for neuroendocrine dysfunction

IMCIVREE Approval Supported By Statistically Significant and Highly Clinically Meaningful BMI Reduction in Phase 3 Acquired HO Trial

Primary analysis cohort (N=142)



NOTE: Shown are the least square (LS) means for setmelanotide and placebo groups and the LS mean difference in mean percentage change from baseline in BMI at Week 52, obtained from an analysis of covariance (ANCOVA) model. Rubin's Rule was used to provide the overall estimates of differences in LS means and p-value.

Significant BMI Reductions Observed in Patients Treated with Setmelanotide with Prior Use or Concomitant Use of GLP-1s

Prior use of GLP-1 (n=16)

-24.7%

Placebo-adjusted
difference in BMI
reduction from
baseline

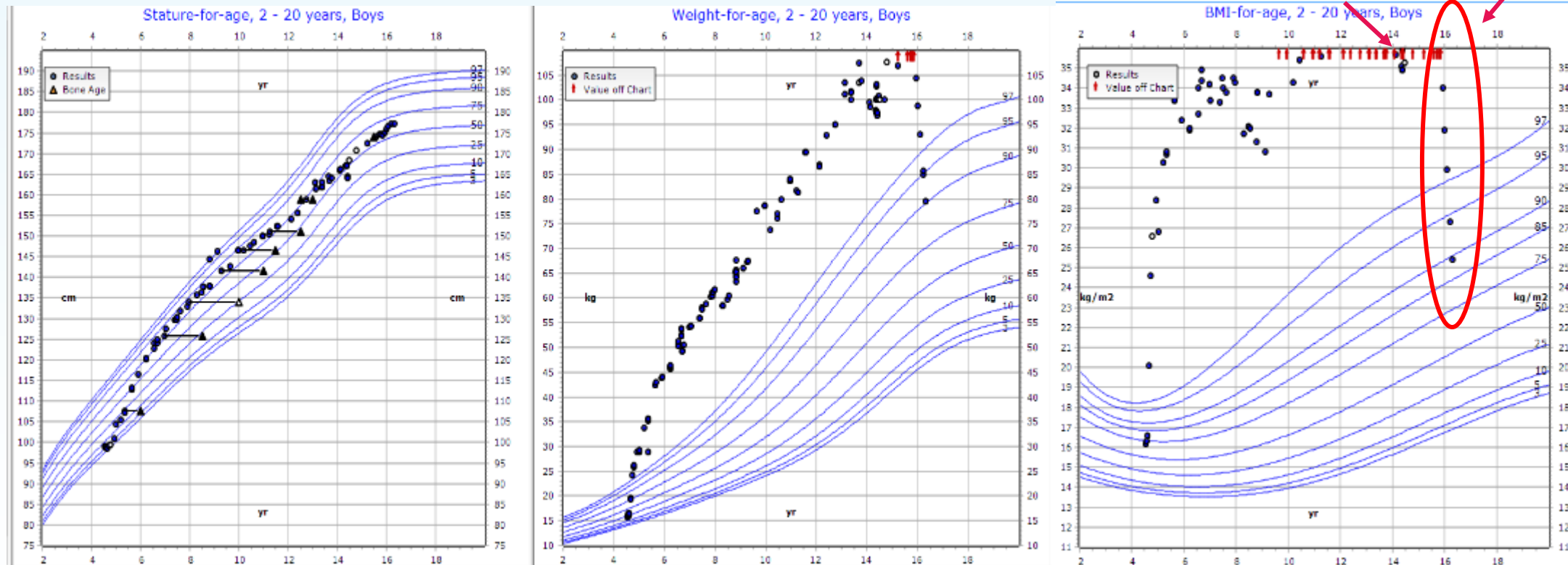
Concomitant GLP-1 (n=15)

-27.1%

Placebo-adjusted
difference in BMI
reduction from
baseline

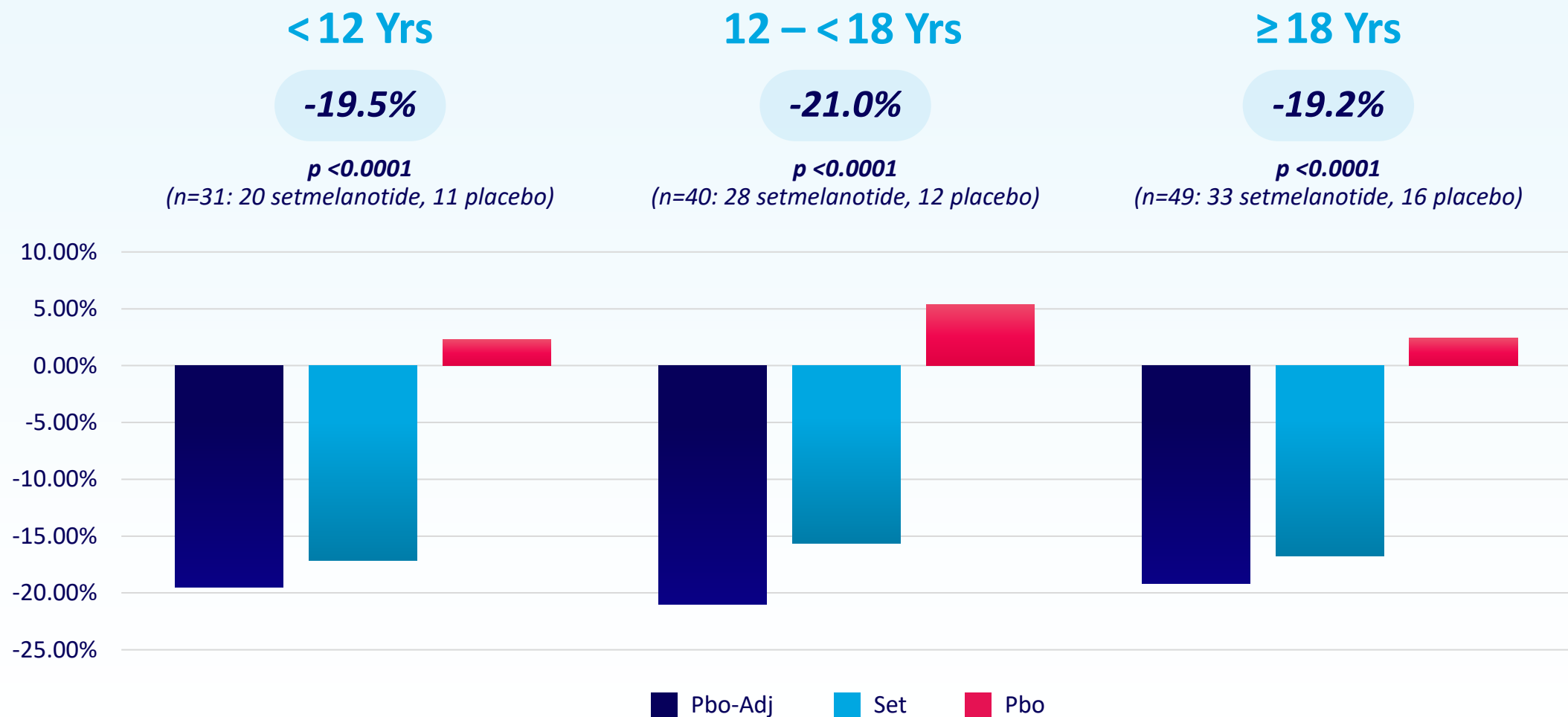
HO: Aggressive, Rapid Weight Gain follows Therapy for CP

Patient Case Study: Setmelanotide therapy achieved rapid, significant weight loss

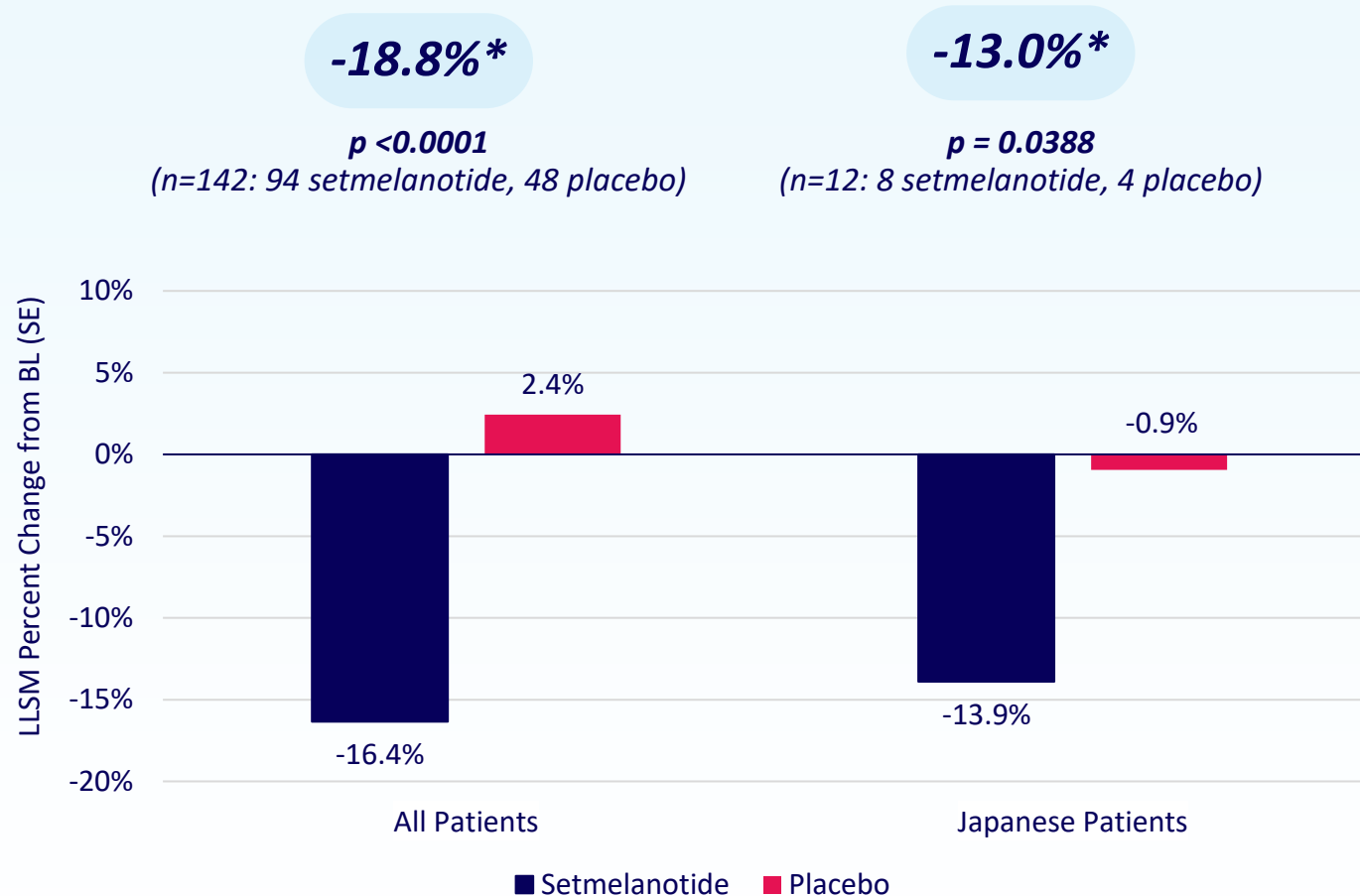


Patient case of M. Jennifer Abuzzahab, MD, Pediatric Endocrinologist, at Children's Minnesota

Mean BMI Reduction Consistent Across Stratified Age Groups in Phase 3 Trial Evaluating Setmelanotide in Acquired HO



Phase 3 TRANSCEND Results: Data from 12-patient Japanese Cohort Consistent with Full Data Set



*LSM Difference (Setmelanotide-Placebo); primary endpoint based on pre-specified statistical analysis plan

Congenital HO Represents Additional Opportunity with Significant Unmet Need

Congenital HO occurs due to **dysfunction or damage to the hypothalamus from birth**, with patients often experiencing **hyperphagia** and difficulty managing their weight

The weight gain and appetite changes accompanying HO are often **unresponsive to existing therapies** for obesity

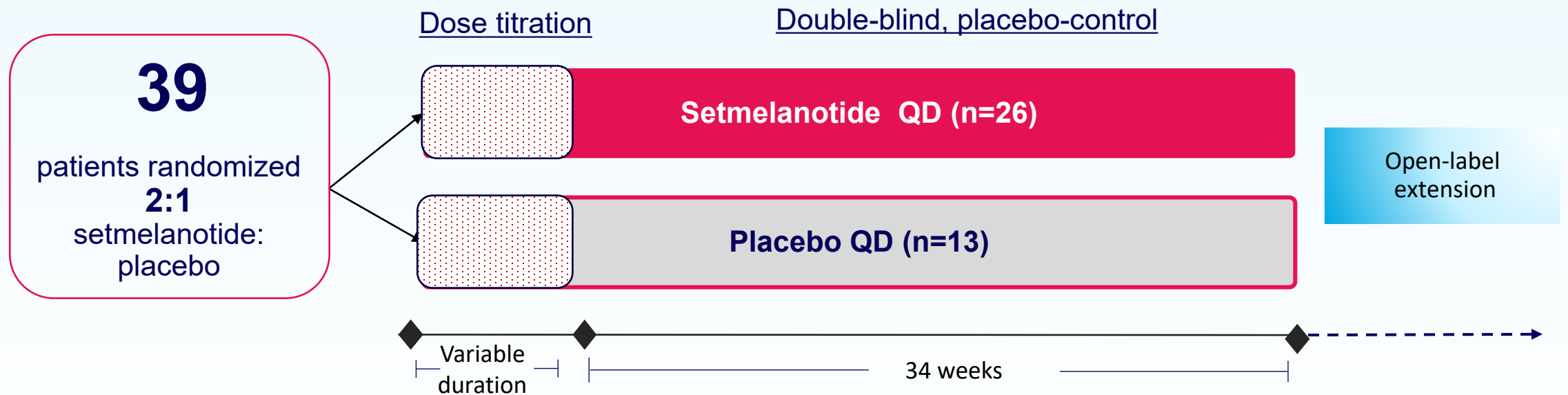
No approved therapies for congenital HO

**>1,000
Patients**

Estimated prevalence in each the
United States and Europe

34-week Substudy in Congenital Hypothalamic Obesity Added to Pivotal, Ph3 HO Study

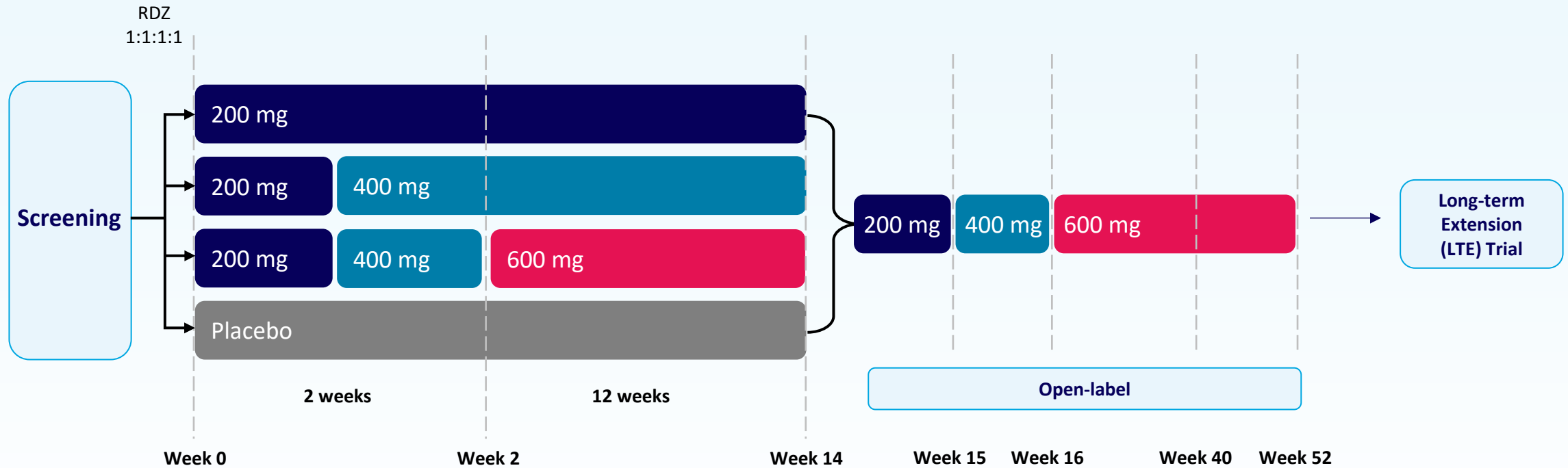
Independent substudy leverages existing Ph3 trial infrastructure; Enrollment completion expected in H2 2026



~90% power to detect a treatment difference (treatment - placebo) of -12% in percent change of BMI from baseline after 26 weeks on a therapeutic regimen (up to 34 weeks) at 2-sided alpha of 0.05

Bivamelagon (Daily Oral MC4R Agonist) in aHO

SIGNAL Trial: 14-week, Phase 2 Open-label Trial Evaluating Bivamelagon in Patients with Hypothalamic Obesity



Inclusion criteria

≥18yo BMI ≥30 kg/m²

12-<18 yo ≥95th percentile

Setmelanotide-naive

Overall Baseline Demographics

Overall
bivamelagon
population

N=28

46.4%

Female

25.4yo

Mean Age
(13 of 28 <18yo)

38.7 kg/m²

Mean BMI

82.1%

Patients with
craniopharyngioma

7 years

Mean time from hypothalamic
injury to trial enrollment

Bivamelagon Achieved Statistically Significant BMI Reductions at All Doses

Placebo

+2.18%

Mean BMI increase
from baseline
(n=7)

200 mg

-2.68%

Mean BMI reduction
from baseline
(n=6)

p-value = 0.0180

400 mg

-7.69%

Mean BMI reduction
from baseline
(n=7)

p-value = 0.0002

600 mg

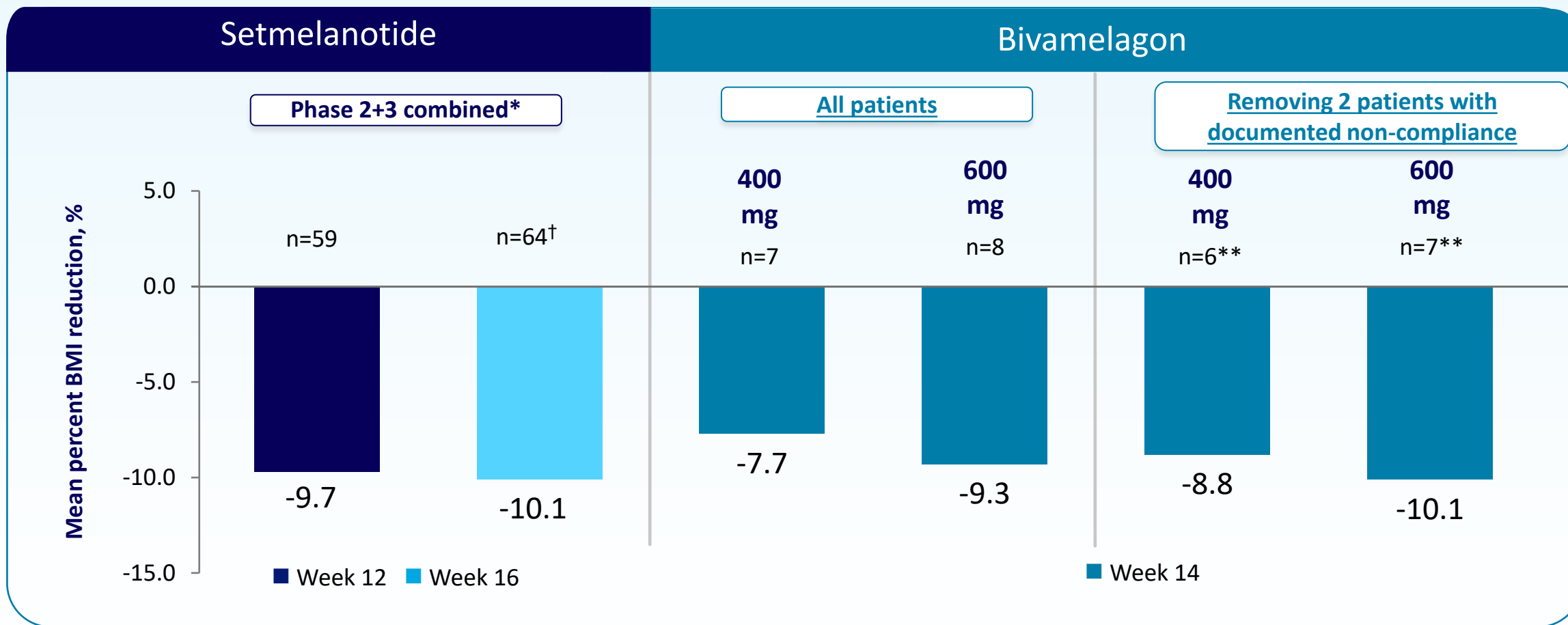
-9.31%

Mean BMI reduction
from baseline
(n=8)

p-value = 0.0004

Note: Arithmetic means and p-values from 2-sided t-test shown above.

Bivamelagon Achieved BMI Reductions Consistent with Setmelanotide



These values represent patients who demonstrated compliance and no concomitant GLP1 therapy (no patients who enrolled in the Phase 2 bivamelagon were on concomitant GLP1 therapy). Patients deemed non-compliant were excluded. †LOCF performed for week 16 only; **1 patient in 400 mg arm and 1 patient in 600 mg arm removed due to Week 1 discontinuation and documented partial compliance respectively.

AEs consistent with MC4R Mechanism, Setmelanotide Trials in Acquired Hypothalamic Obesity

n (%)	BIVA 200mg (N=6)	BIVA 400mg (N=7)	BIVA 600mg (N=8)	Placebo (N=7)
Any AEs	6 (100)	7 (100)	8 (100)	6 (86)
Serious AEs	0 (0)	1 (14)	0	1 (14)
Treatment-Related AEs	6 (100)	7 (100)	8 (100)	3 (43)
Treatment-Related SAEs	0	1 (14)	0	0
Grade ≥3 AE	0	2 (29)	0	1 (14)
AEs Leading to Study Intervention Discontinuation	0	1(14)*	0	0
AEs with ≥10% in all BIVA dosing (N=21)				
Nausea	6 (100)	5 (71)	4 (50)	2 (29)
Diarrhea	2 (33)	5 (71)	3 (37)	1 (14)
Vomiting	2 (33)	4 (57)	4 (50)	2 (29)
Headache	1 (17)	5 (71)	0 (0)	2 (29)
AEs of Special Interest	2 (33)	3 (43)	0	0
Skin Pigmentation**	2 (33)	2 (29)	0	0
Adrenal Adverse Events	0	1 (14)	0	0

*Rectal bleeding; ** In addition to the four patients on study drug, one placebo-treated participant had skin hyperpigmentation that was not treatment related and therefore not included as an AE of special interest.

RM-718 (Weekly Injectable MC4R Agonist) in aHO

Baseline Demographics

Parameter	Statistic	Overall (N=11)
Age, years	Mean (SD) (range)	26.7 (13.1) (12 – 48)
	≥12 years and <18, n (%)	4 (36.4)
	≥18 years old, n (%)	7 (63.6)
Sex, n (%)	Female / Male	9/2 (81.8/18.2)
Race, n (%)	White	10 (90.9)
	Black or African American	1 (9.1)
BMI, kg/m ²	Mean (SD)	41.0 (7.1)

*Data cutoff of July 16, 2026: two (2) patients had not yet reached 16 weeks, and one (1) patient who completed 16 weeks then discontinued from extension due to personal reasons; AE, adverse event; BMI, body mass index; LTE, long-term extension.

N=11
patients enrolled

n=8
remain on
active therapy*

n=7
reached Week 16

n=2
discontinued due to AEs

1 withdrew from LTE

n=2
on therapy <4 weeks*

RM-718 Achieved Clinically Meaningful BMI Reduction in Patients with Acquired HO at Week 16

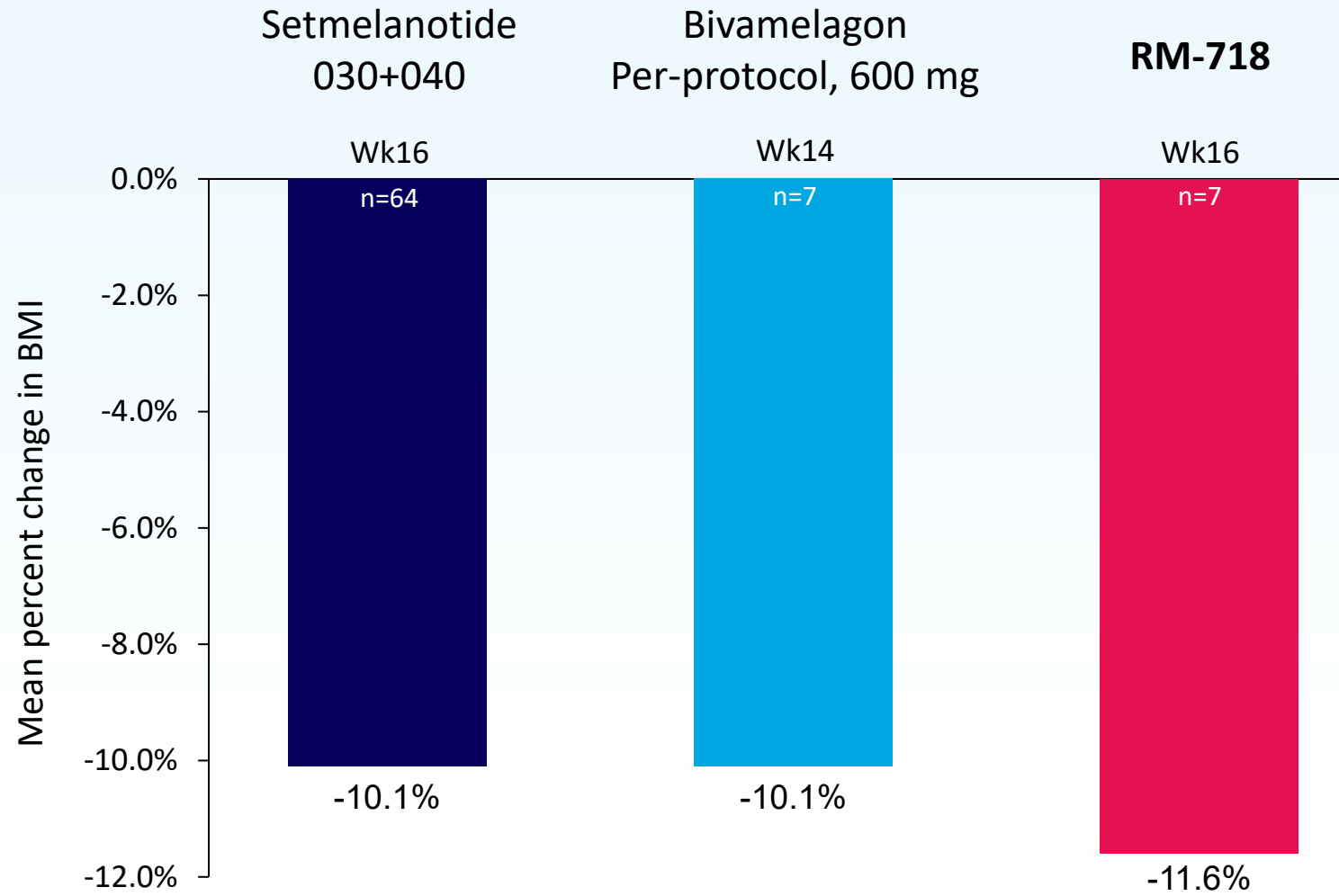


-11.6%

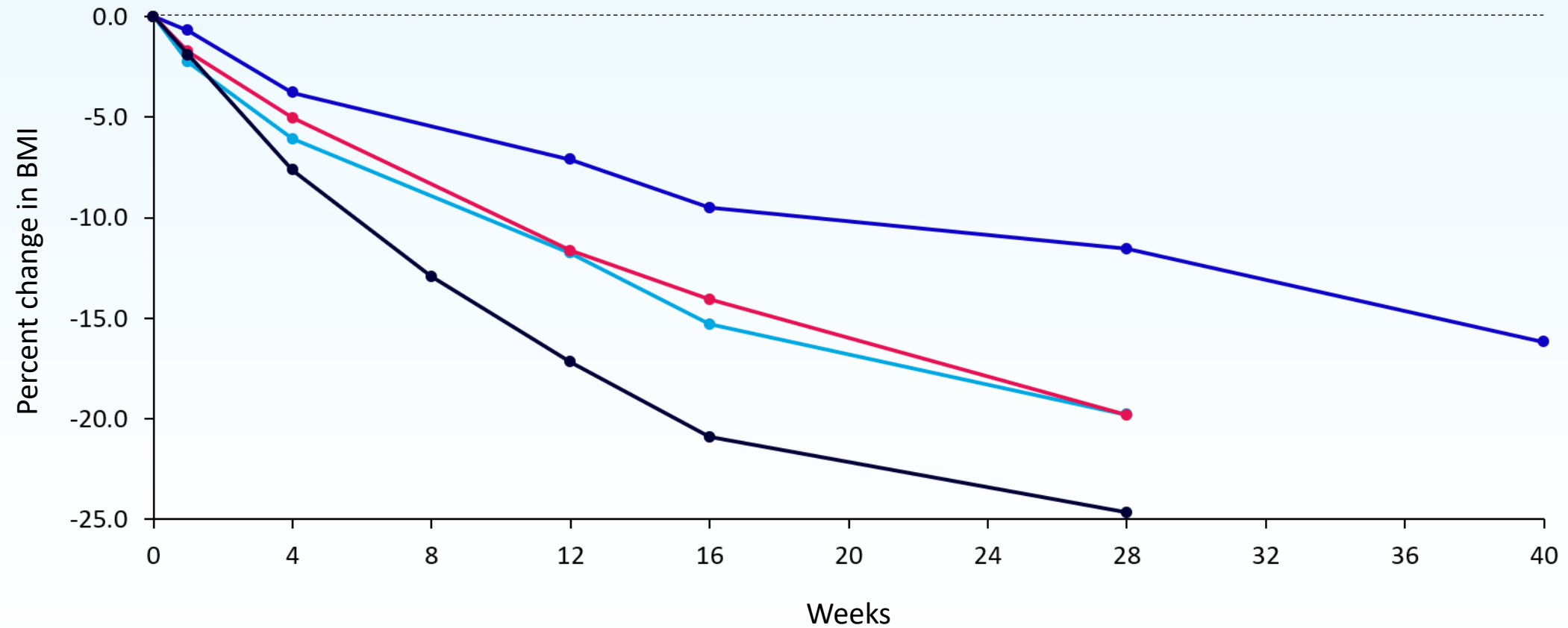
mean BMI reduction
from baseline
at **Week 16**
(n=7)

BMI, body mass index.

RM-718 Exhibited Comparable Reductions to Setmelanotide and Bivamelagon



Four Patients Achieved Deepening BMI Reductions at 28-40 Weeks on Therapy with RM-718

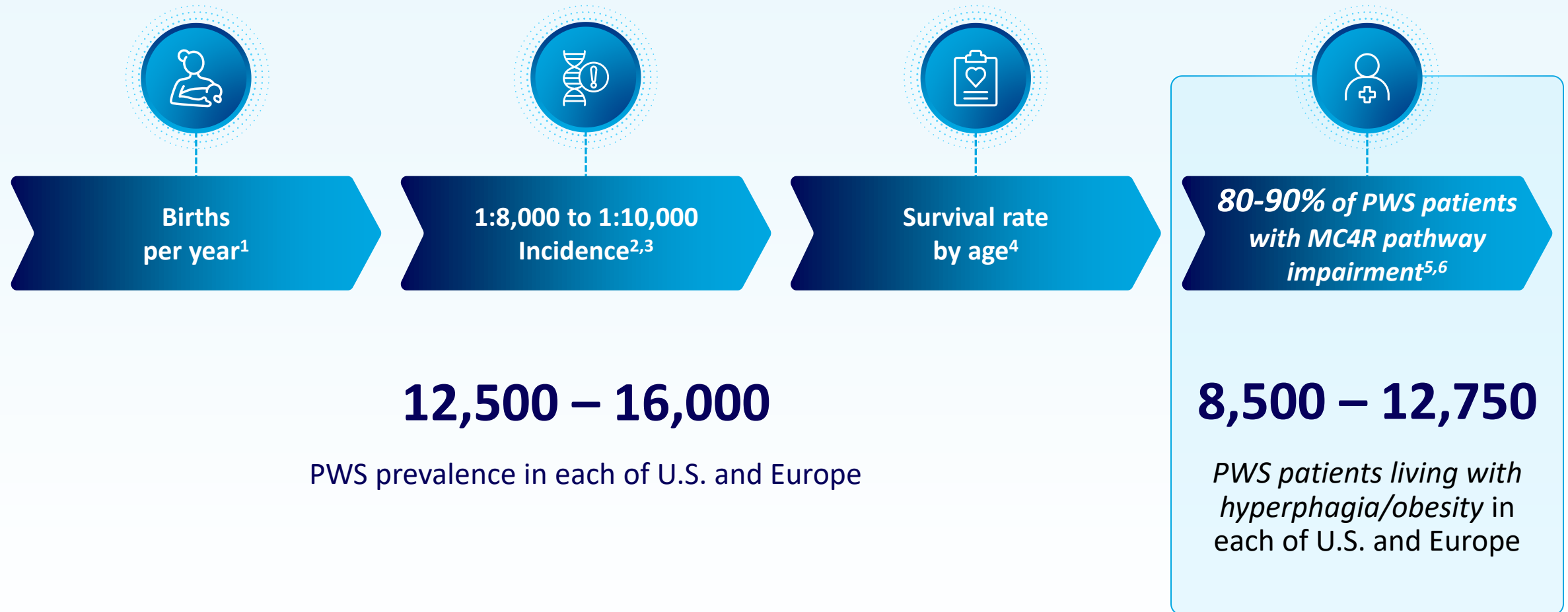


Most Common (≥ 2 Patients) Adverse Events for All Patients (N=11)

Adverse Events, n (%)	All Patients (N=11)
Injection site reactions	9 (81.8)
Nausea	6 (54.5)
Vomiting	3 (27.3)
Abdominal pain	2 (18.2)
Anxiety	2 (18.2)
Cough	2 (18.2)
Decreased appetite	2 (18.2)
Depression	2 (18.2)
Fatigue	2 (18.2)
Headache	2 (18.2)
Nasopharyngitis	2 (18.2)
Oropharyngeal pain	2 (18.2)

Prader-Willi Syndrome

Significant Unmet Need in Prader-Willi Syndrome



1) National Center for Health Statistics (CDC), Final Natality Data (1954–2023); 2. Gallagher L, et al. *A population-based profile of Prader-Willi Syndrome in Ireland*. 2017; 3. Godler DE, et al. *JAMA Netw Open*. 2022; 4. U.S. Prevalence & Mortality of Prader-Willi Syndrome: A Population-Based Study of Medical Claims, JESOCI, Volume 4, Abstract Supplement, 2020; 5. [a-population-based-profile-of-prader-willi-syndrome-in-ireland-final-report.pdf](#); 6. [Prader-Willi Syndrome - GeneReviews® - NCBI Bookshelf](#)

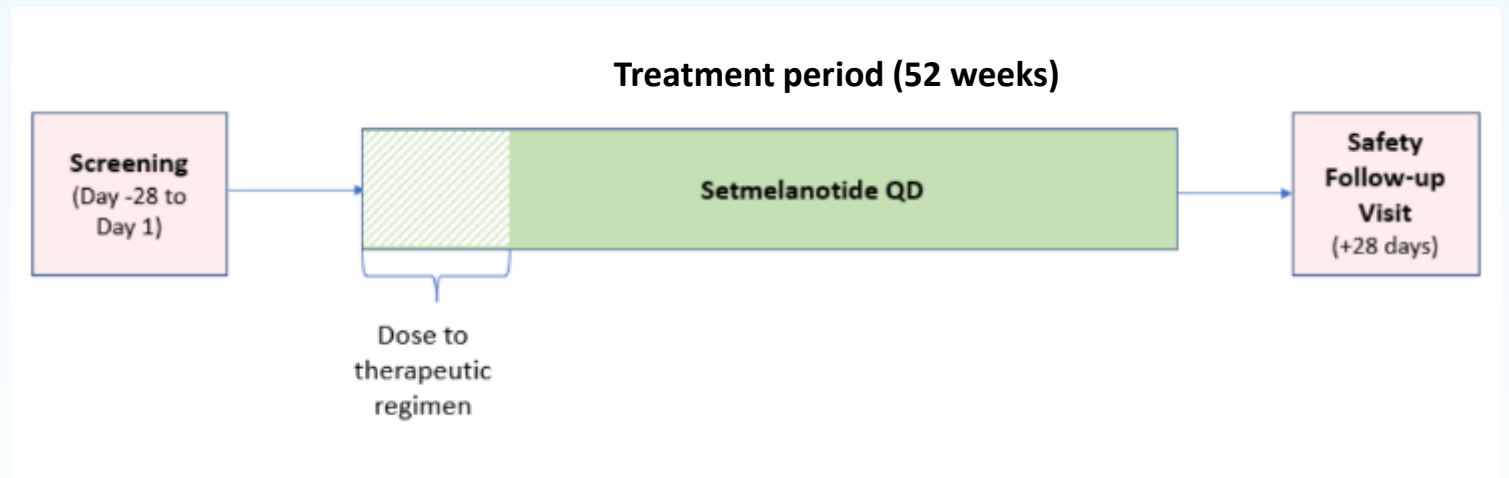
Exploratory Phase 2, Open-label Trial of Setmelanotide in PWS

18 patients with PWS and obesity aged 6 to 65 years old enrolled

Daily dose of setmelanotide escalated up to **5 mg/day** as tolerated for **52 weeks**

Primary endpoints: safety and tolerability

Key secondaries: assessments on **BMI, hyperphagia, body composition** and pharmacokinetics



Baseline Demographics

Parameter	Statistic	Overall (N=18)
Age, years	Mean (SD) (range)	17.1 (5.6) (6 – 23)
	<12 years old, n (%)	3 (16.7)
	≥12 years and <18, n (%)	4 (22.2)
	≥18 years old, n (%)	11 (61.1)
Sex, n (%)	Female / Male	8/10 (44.4/55.6)
Race, n (%)	White	15 (83.3)
	Multiple	2 (11.1)
	Asian	1 (5.6)
BMI, kg/m ²	Mean (SD)	39.0 (9.3)
	Mean (SD) pts ≥ 18yo	41.1 (9.6)
BMI z-score in participants aged 4 to <18 y, mean (SD)*		4.15 (1.87)
HQ-CT, mean (SD)		12.83 (8.05)
PADQ, mean (SD)		29.94 (15.12)

N=18
Patients enrolled

n=1
discontinued (withdrawal
by parent/guardian)

n=17
patients reached
Month 6

17
patients remain
on active therapy¹

1. As of June 12, 2026

Setmelanotide Achieves Compelling, Durable and Consistent Interim Results at Six Months in Phase 2 Trial in Patients with PWS



-3.06%

mean BMI reduction from baseline (n=17)

-3.11%

mean BMI
reduction
in **adults** (n=10)

-0.35

mean **BMI-Z score**
reduction in
pediatrics (n=7)



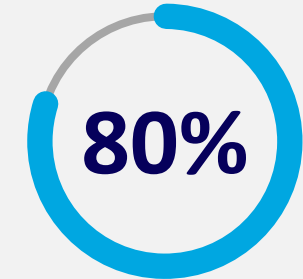
-4.19%

mean fat loss

+0.74%

mean gain in
lean mass

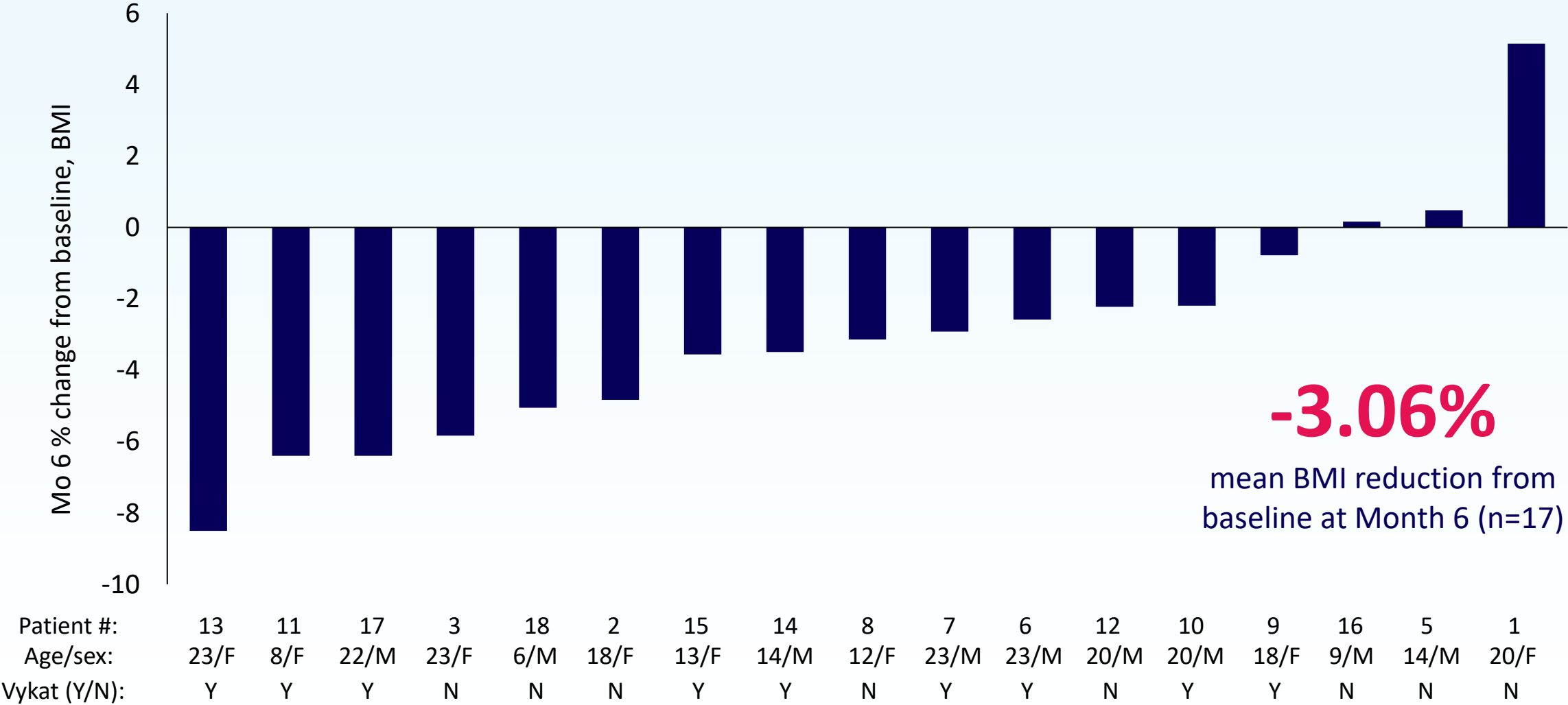
Showing **preservation of lean mass**
in patients with DEXA data (n=16)



8 of 10 patients
with moderate to
severe hyperphagia achieved
clinically meaningful
improvement defined as a
≥7 point reduction in HQ-CT

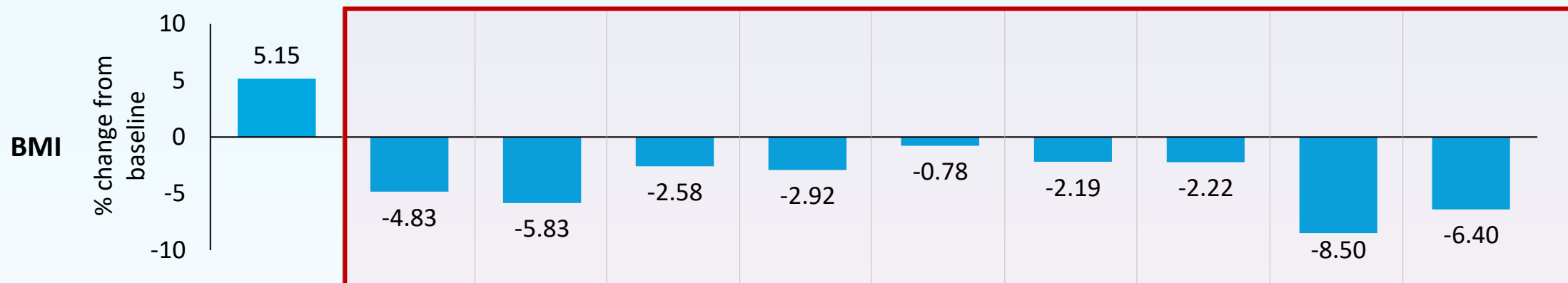
Note: Moderate-to-severe hyperphagia defined as HQ-CT score ≥13 at baseline; Data throughout this presentation are as of a data cut-off date of May 7, 2026.

Setmelanotide Achieved BMI Reductions from Baseline in 14 of 17 Patients with PWS at Month 6

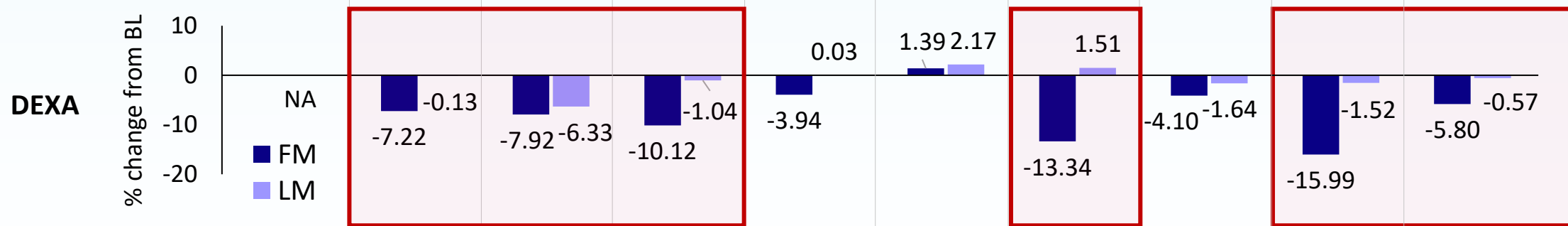


Consistent BMI, Fat Mass Reductions Observed in Adult Patients at Month 6

9/10 patients achieved BMI reduction; mean BMI % change: -3.11% (n=10)



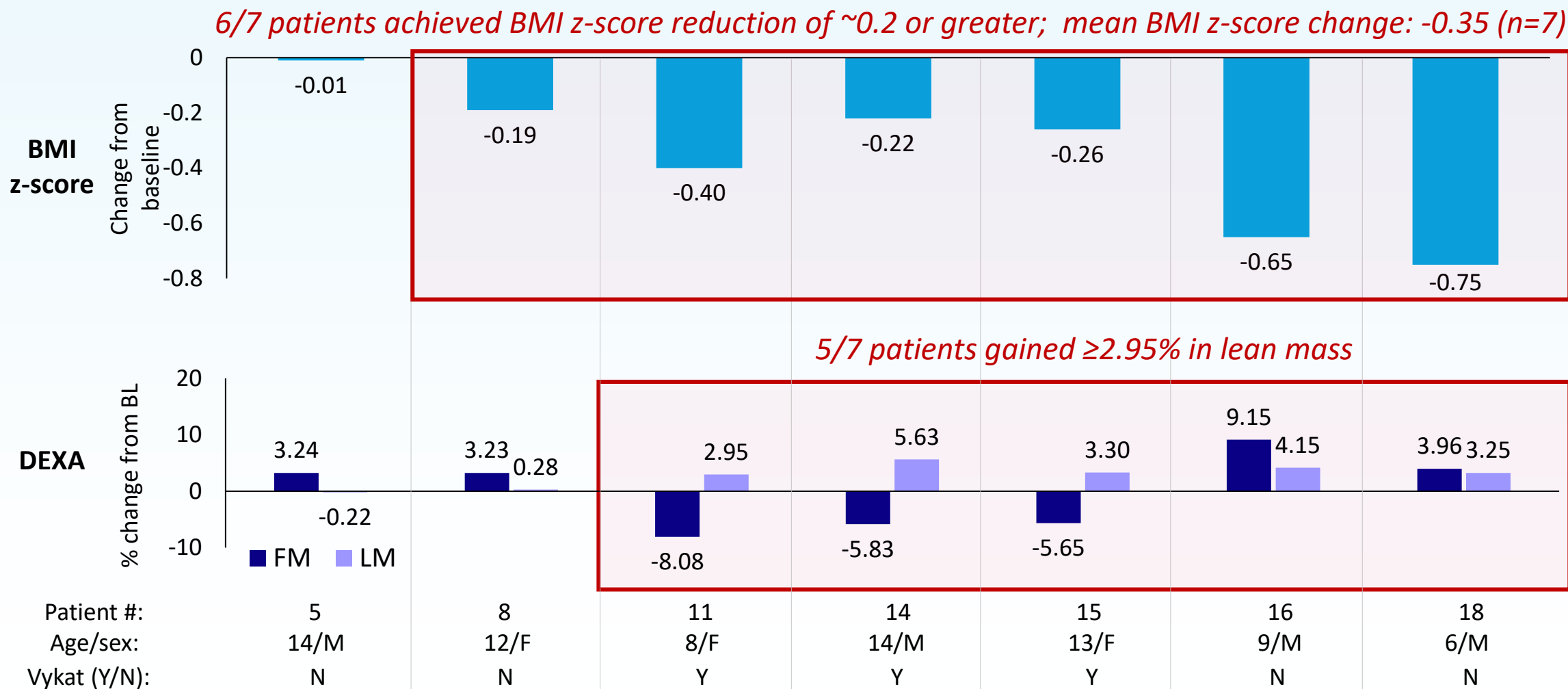
6/9 patients with DEXA data achieved >5% reduction in fat mass; mean fat mass % change: -7.4% (n=9)



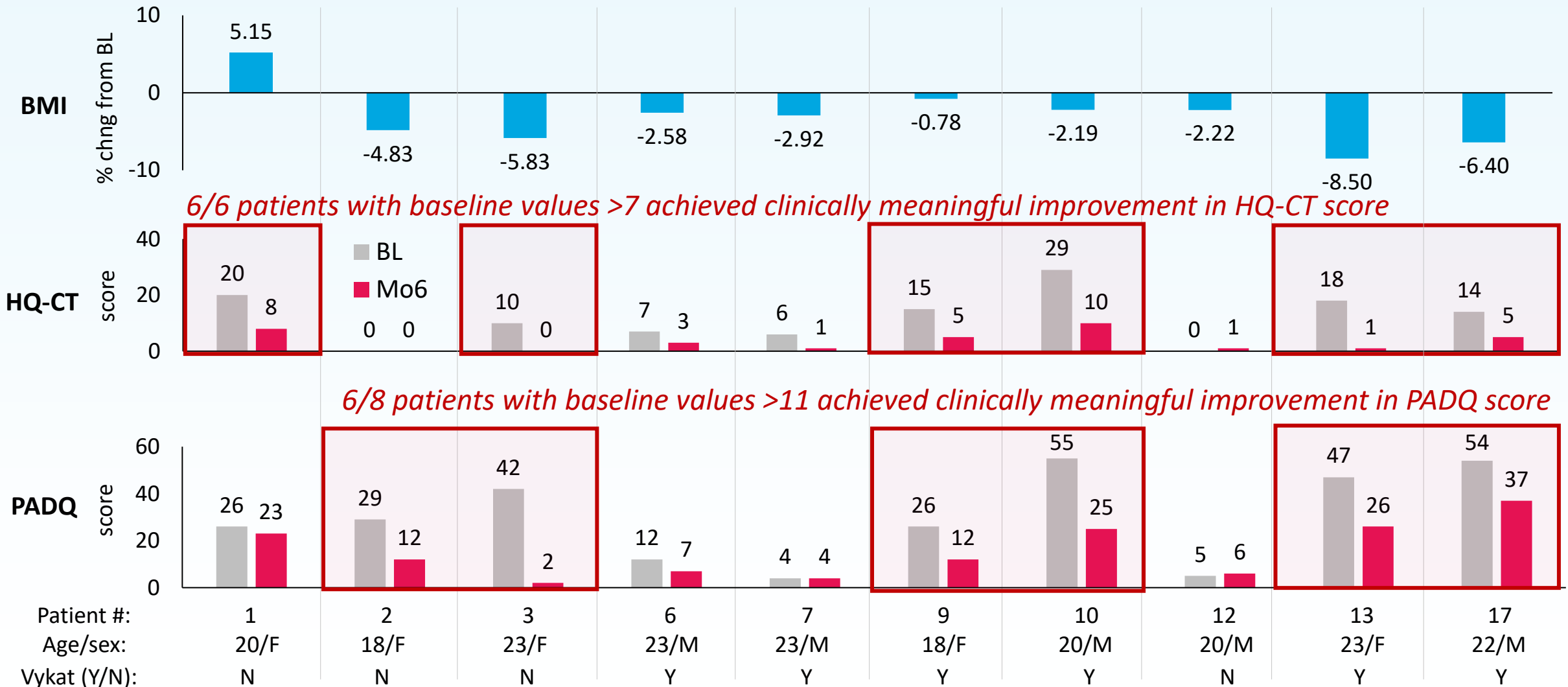
Patient #:
Age/sex:
Vykat (Y/N):

1	2	3	6	7	9	10	12	13	17
20/F	18/F	23/F	23/M	23/M	18/F	20/M	20/M	23/F	22/M
N	N	N	Y	Y	Y	Y	N	Y	Y

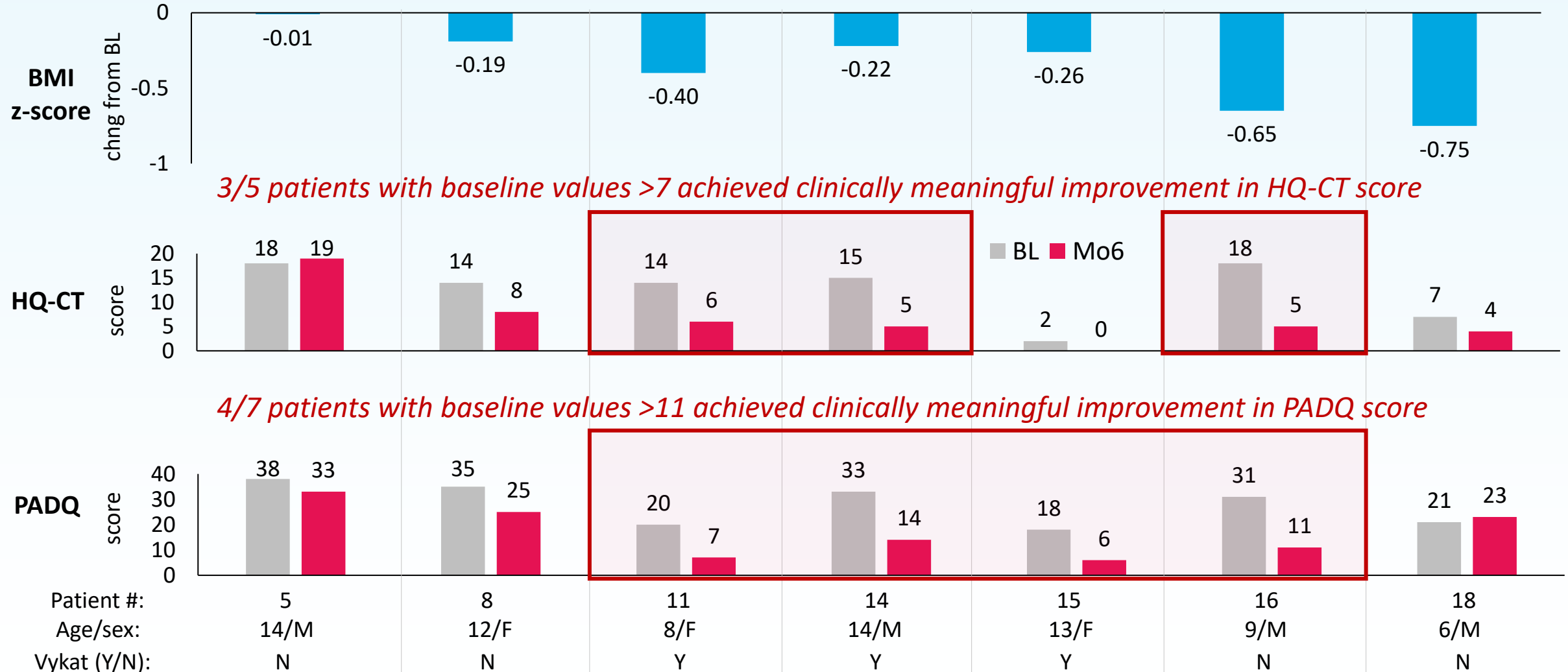
Consistent BMI Z-Score Reductions and Gains in Muscle Mass Observed in Pediatric Patients at Month 6



Improvements in Hyperphagia and Anxiety Scores Observed in Adult Patients at Month 6



Improvements in Hyperphagia and Anxiety Scores Observed in Pediatric Patients at Month 6



Most Common Adverse Events for All Patients (N=18)

Adverse Events	Overall n (%) (n=18)
Injection site reaction	11 (61.1)
Skin hyperpigmentation	10 (55.6)
Fatigue	6 (33.3)
Norovirus infection	2 (11.1)
Hypothyroidism	2 (11.1)
Diabetes mellitus	2 (11.1)

Note: As of May 7, 2026

Appendix

New Diagnostic Algorithm Supports Diagnosis of BBS



Expert consensus, evidence-based
diagnostic algorithm

Supports earlier recognition and diagnosis

Aligns around current clinical and genetic
evidence

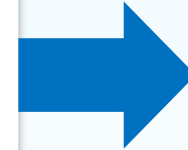
German Investigator-led Observational Study Showed Setmelanotide associated with Improvement in Measures of MASLD, Kidney Function in Patients with BBS

26 patients with BBS completed six months on setmelanotide therapy.



100%

of patients (N=26) with both BBS and metabolic dysfunction-associated steatotic liver disease (MASLD)



>80%

of patients exhibited either resolution of MASLD or stabilization at grade S1*



Adapted from Hühne, T., et al. (2025). *Impact of the melanocortin-4 receptor agonist setmelanotide on MASLD and kidney function in Bardet-Biedl syndrome*. The Journal of Clinical Endocrinology & Metabolism. <https://doi.org/10.1210/clinem/dgaf483>; * MASLD improvement was correlated with only liver size, not BMI reduction; This study was funded by the German Federal Ministry of Research and Education and by Rhythm Pharmaceuticals.

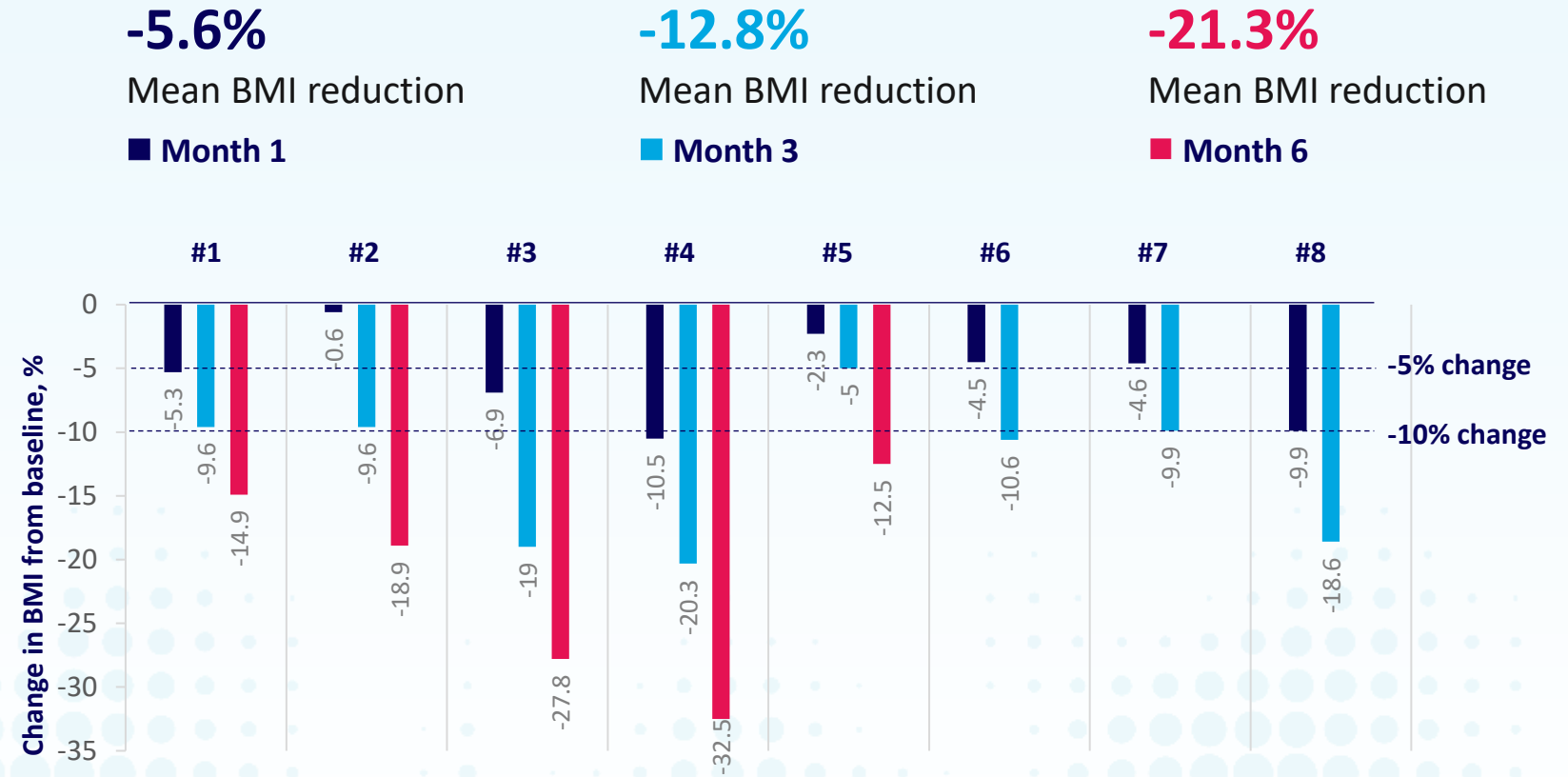
Positive Real-world Setmelanotide Data Reported from French Early-access Program in Adult Patients with Acquired Hypothalamic Obesity

N=8*
patients

19.3 years
Mean age at resection

31.4 years
Mean age at initiation of
setmelanotide therapy

44.1 kg/m²
Mean BMI at baseline



*50% male; all aged ≥ 18 years, with a previous resection of craniopharyngioma (n=7) or of Rathke cleft cyst (n=1); Adapted from "3-Month Real-World Setmelanotide Hunger and Weight Outcomes in Patients with Hypothalamic Obesity" poster presented ObesityWeek®; November 3-6, 2024, in San Antonio, TX, USA.

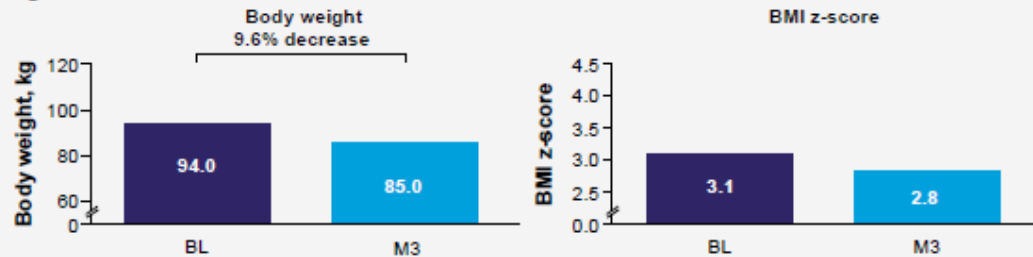
Real-world Case Reports from French Early-access Program Suggest Setmelanotide may be Effective Treatment for Congenital HO

Case reports presented at 62nd annual meeting of the European Society for Paediatric Endocrinology (EPSE)

Case Report 3 (Congenital HO)

- Patient 3, female, had septo-optic dysplasia (SOD), combined pituitary hormone deficiency and valgus foot as co-morbidity. Age of onset of obesity was not reported
- Setmelanotide treatment was started at 15 years of age, with dose escalation from 0.5 mg at BL to 1 mg at M3
 - As ongoing treatment, patient was on hormonal replacement therapy
- Patient had a 9.6% decrease in body weight and -0.3 BMI z-score change at M3 of treatment (Figure 3)

Figure 3:

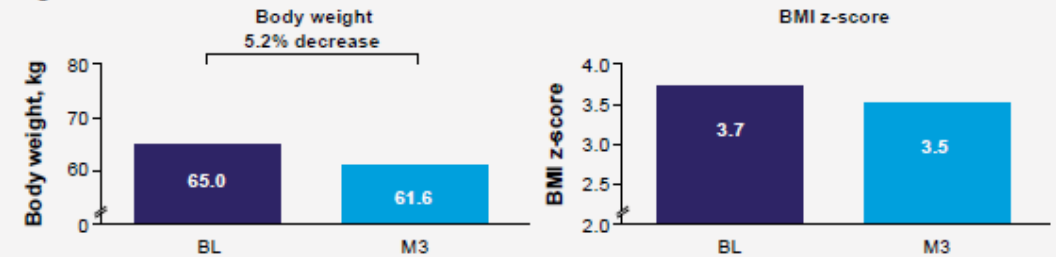


- For the 4 questions included in the scoring of hunger scores, the reported change was 5-5-0-6 (BL) to 5-5-0-5 (M3). Physician noted difficulty in interpretation and scoring with the questionnaire
- During treatment, patient reported injection site reaction and intermittent diarrhoea at 2 weeks of treatment which was resolved. Angina, sore throat and hyperpigmentation was reported at M3

Case Report 4 (Congenital HO)

- Patient 4, male, 2.5 years at onset of obesity, had pituitary stalk interruption syndrome (PSIS), corticotrophic, thyrotrophic and growth hormone (GH) deficiency as co-morbidity
- Setmelanotide treatment was started at 9 years of age, with dose escalation from 0.5 mg at BL to 2 mg at M3
 - As ongoing treatment, patient was on hormonal replacement therapy
- Patient had a 5.2% decrease in body weight and -0.2 BMI z-score change at M3 of treatment (Figure 4)

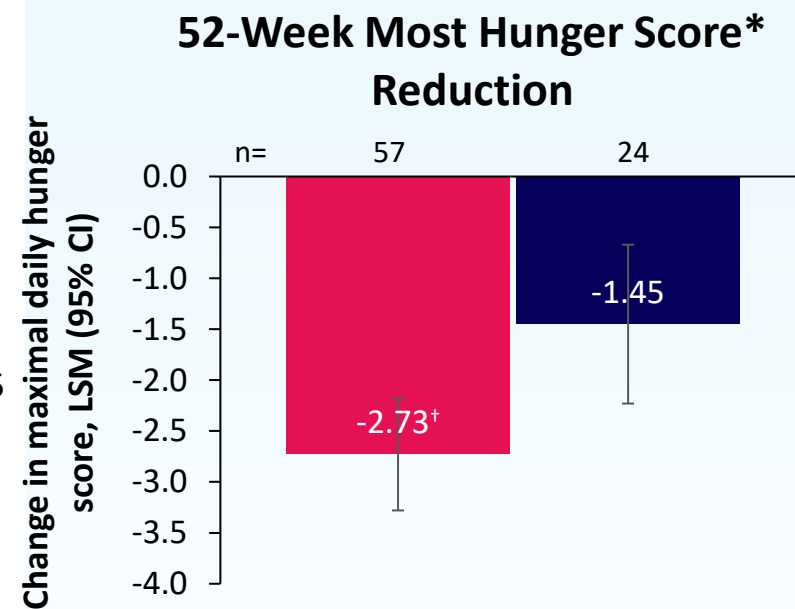
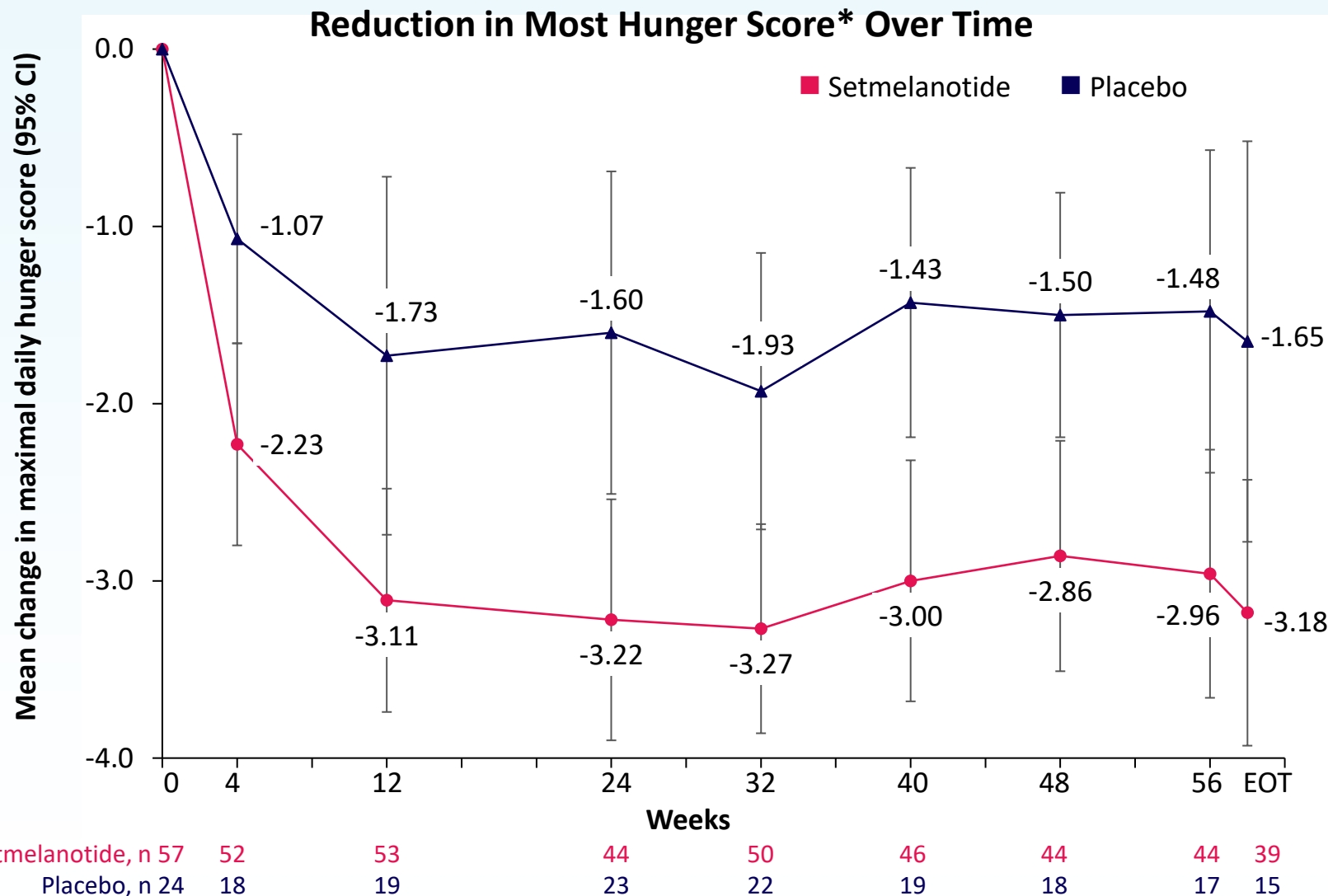
Figure 4:



- For the hunger outcomes, patient reported a qualitative improvement rather than quantitative, as normally reflected by hunger scores. Initially, the patient described feeling moderately hungry at BL, slightly hungry at M1, and not hungry at all by M3 of treatment
- During treatment, no adverse events were reported for the patient

Adapted from '3-Month real-world setmelanotide hunger and weight outcomes in four French pediatric patients with acquired or congenital hypothalamic obesity,' presented at ESPE on November 18, 2024, by Dr. Ahlam Azar-Kolakez, et al.

Rapid and Statistically Significant Hunger Reduction in Patients with HO Aged ≥ 12 Years



PBO-adjusted difference

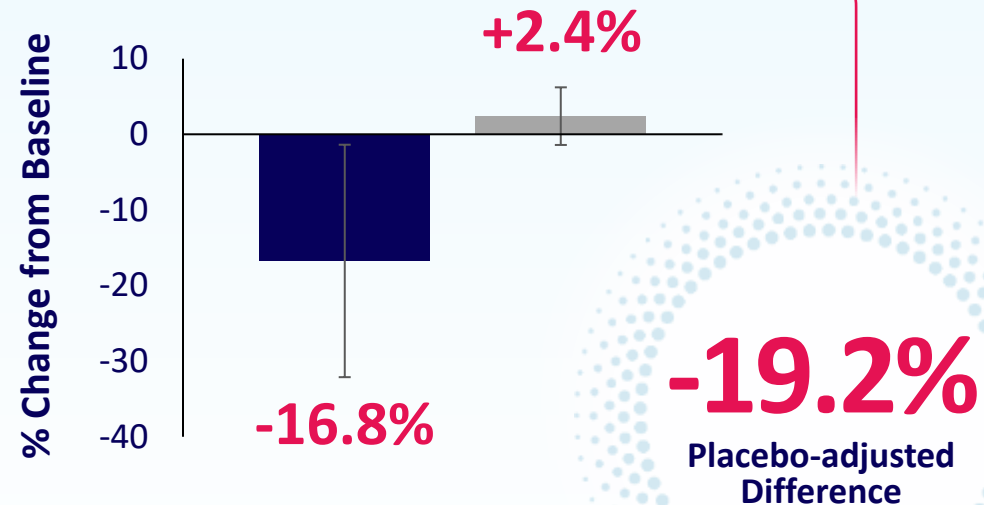
-1.28

[†]P=0.0086 vs placebo.

As presented at ENDO 2025

Significant Reductions in BMI Observed in both Adults and Children in Phase 3 Trial Evaluating Setmelanotide in Acquired HO

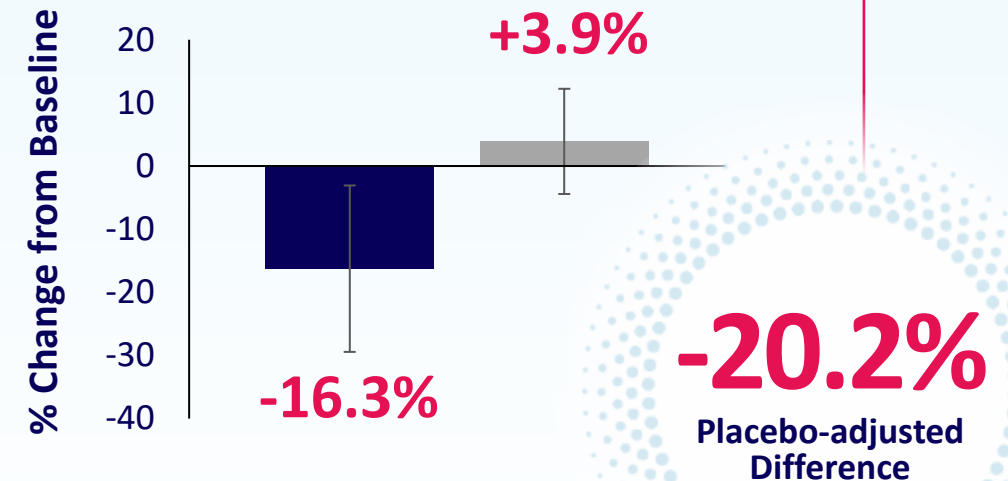
≥18 Years Old (n=49)



($P < 0.0001$)

■ Setmelanotide (n=33) ■ Placebo (n=16)

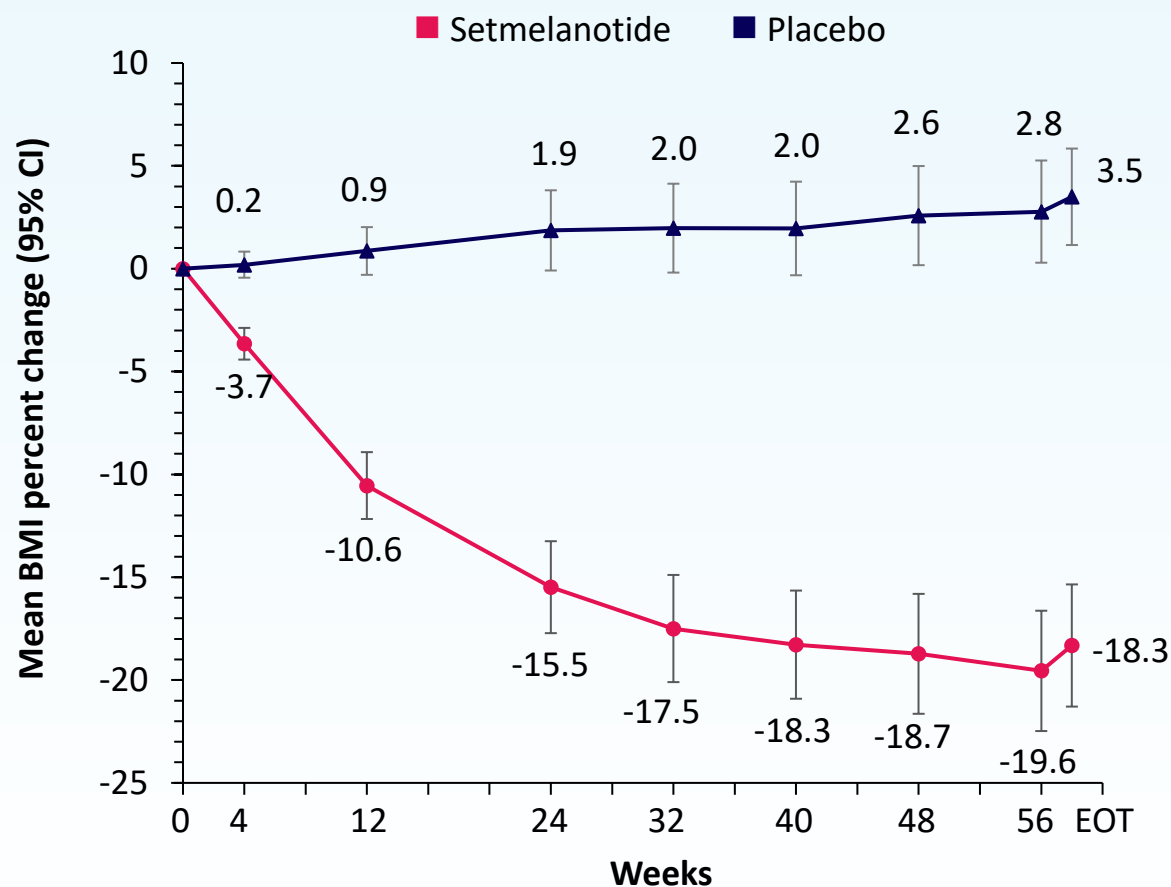
<18 Years Old (n=71)



($P < 0.0001$)

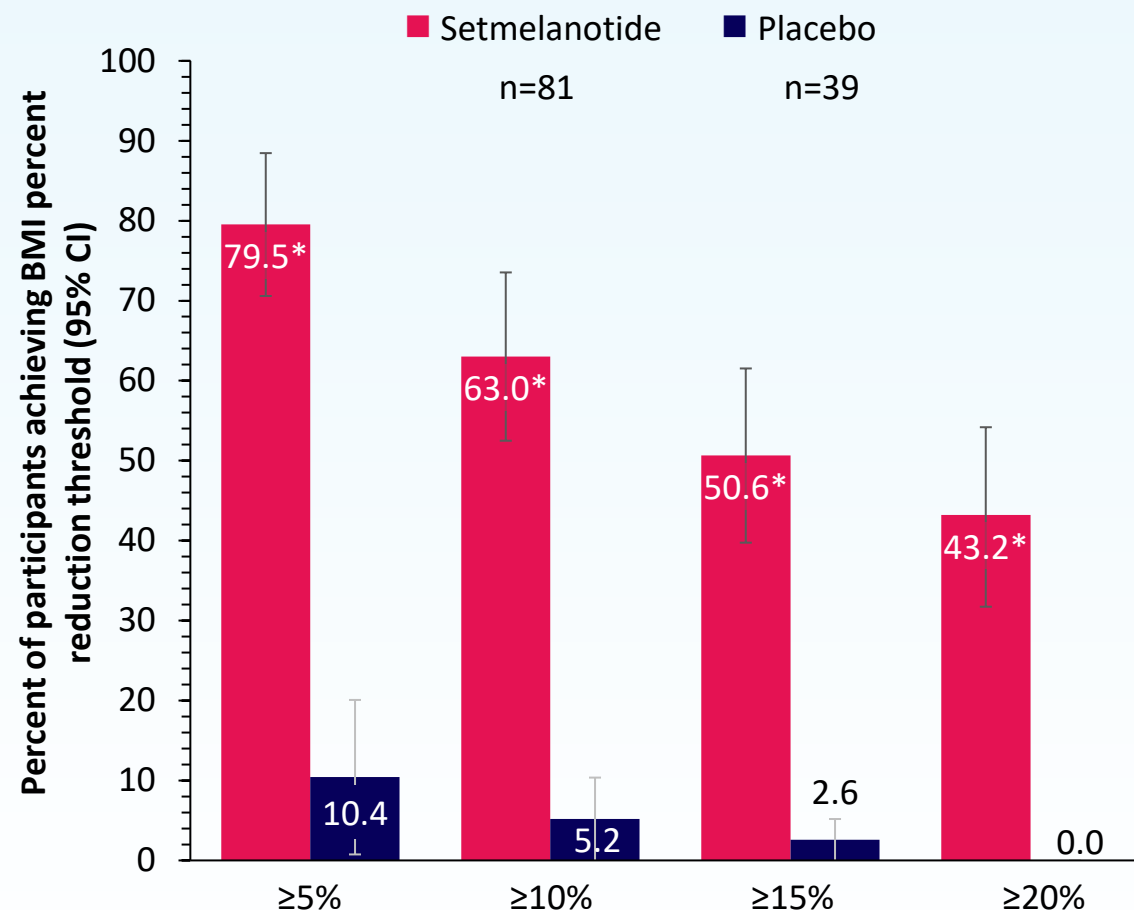
■ Setmelanotide (n=48) ■ Placebo (n=23)

Rapid and Significant BMI Percent Reduction Starting at Week 4



Setmelanotide, n	81	81	77	75	68	73	68	69	71
Placebo, n	39	38	37	38	34	36	33	35	37

A Higher Proportion Achieved Percent BMI Reductions for All BMI Thresholds

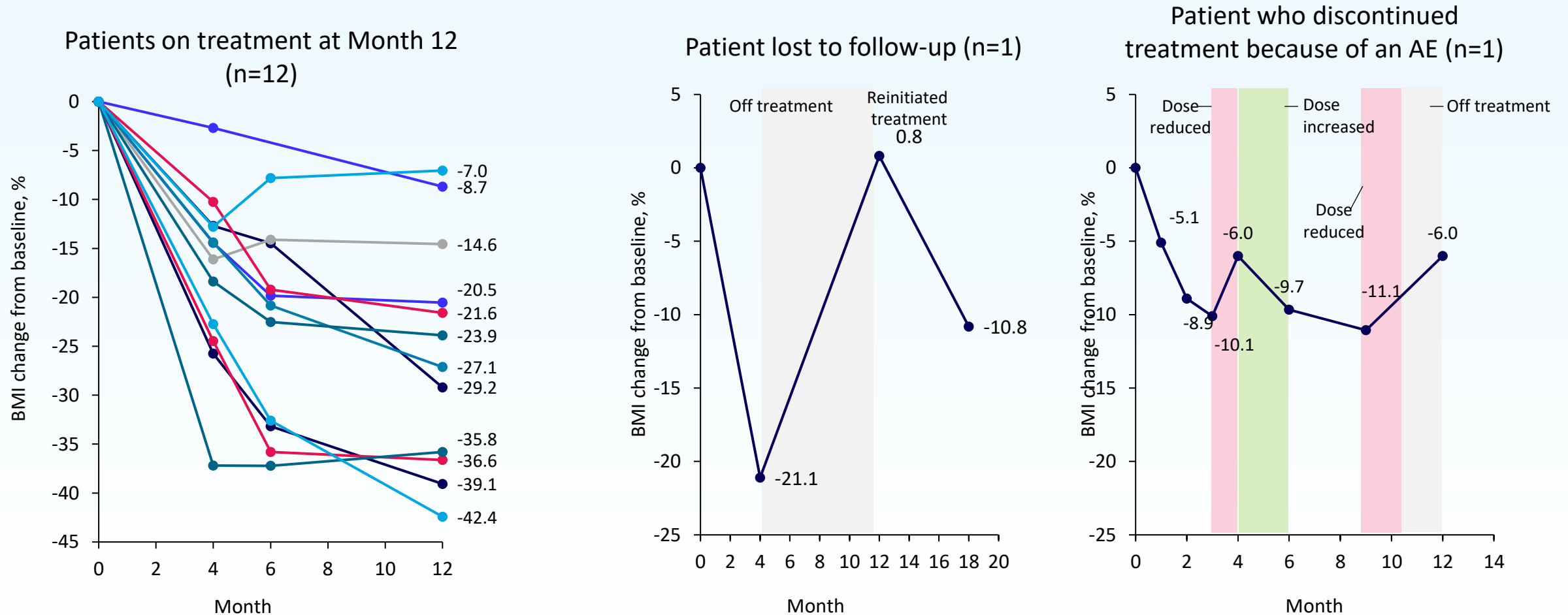


BMI percent reduction from baseline

* $P < 0.0001$ vs placebo.

As presented at ENDO 2025

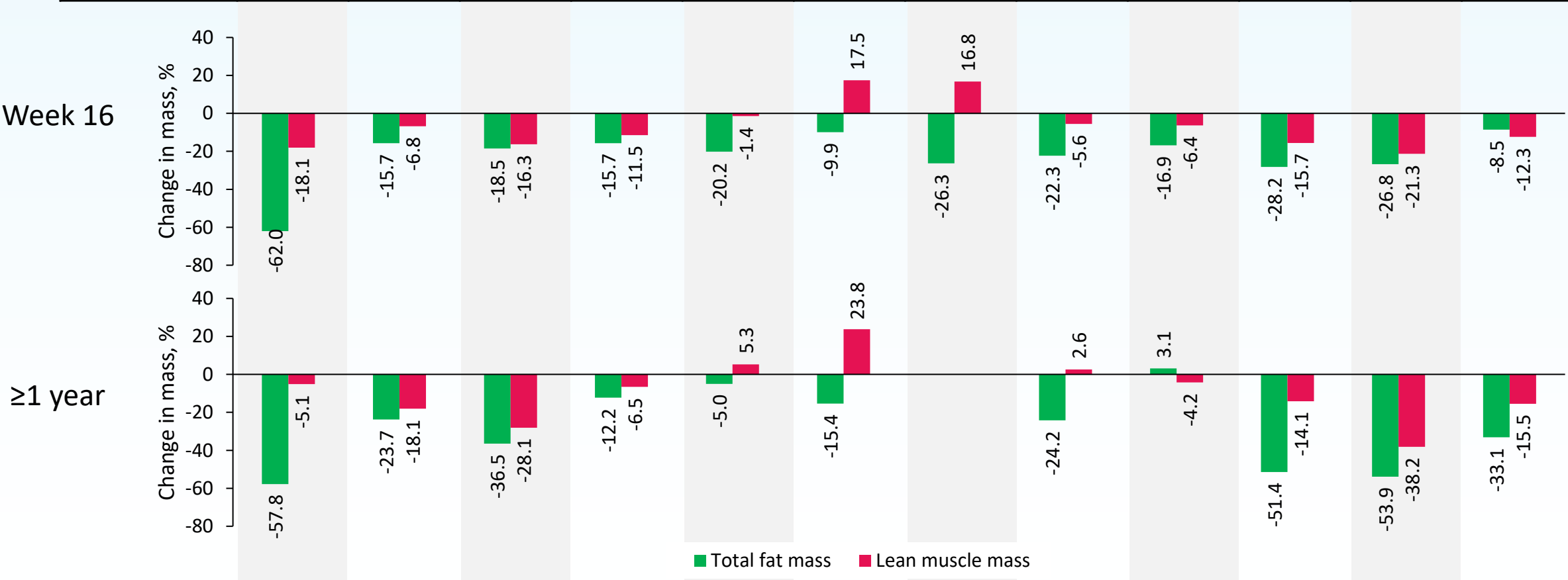
Hypothalamic Obesity: Patients Achieved 25.5% Mean BMI Reduction at One Year of Setmelanotide Therapy in Long-term Ext. Trial



As presented during The Obesity Society Annual Meeting (TOS 2023) on October 17, 2023, in Dallas.

Body Composition Data Show Greater Decreases in Total Fat Mass vs. Lean Muscle Mass

Patient number	1	2	3	4	5	6	7	8	9	10	11	12
Age at baseline	6	9	9	10	11	12	13	14	15	15	16	24
Percent change in BMI from baseline to Month 12	-35.8	-20.5	-39.1	-23.9	-7	-8.7	-21.6	-29.2	-14.6	-36.6	-42.4	-27.1



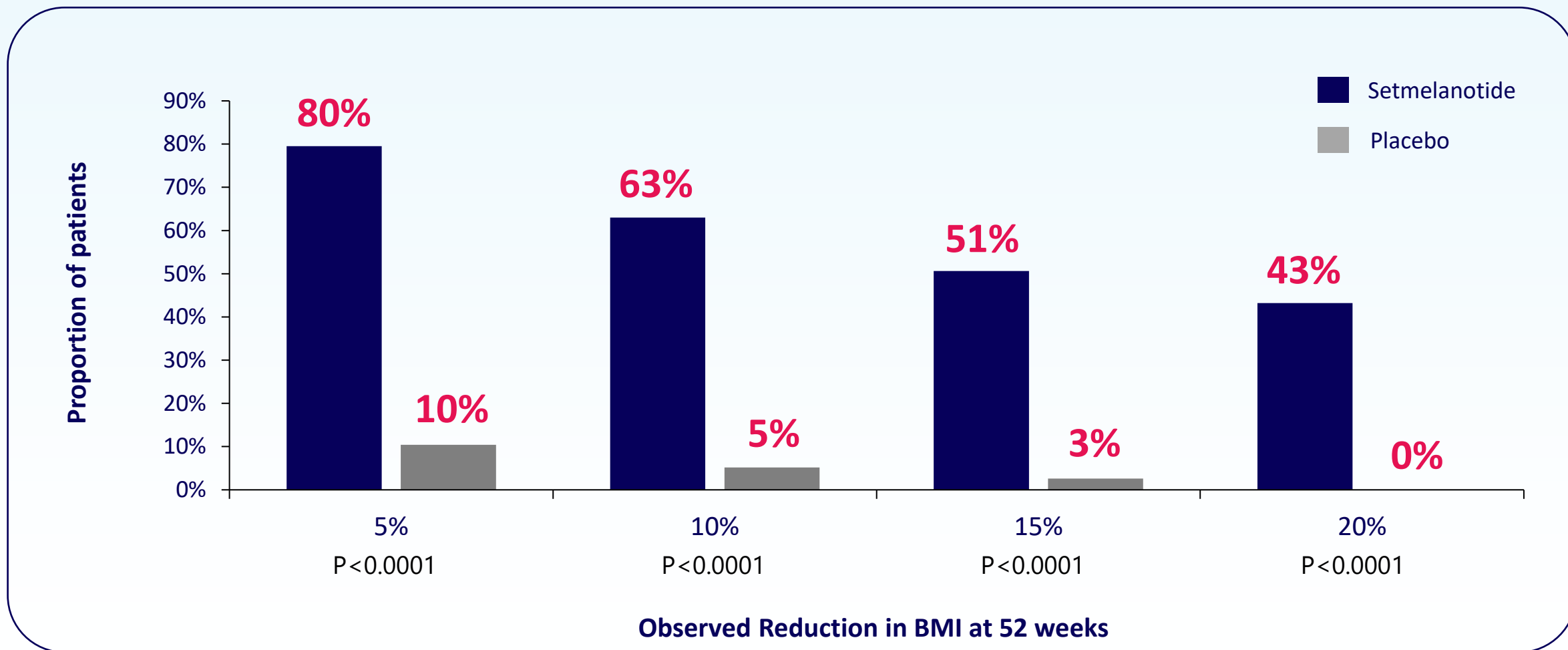
All Patients Achieved a Decrease in Obesity Severity at One Year

Three of 11 pediatric patients achieved normal weight at one year based on NIH, WHO weight classifications

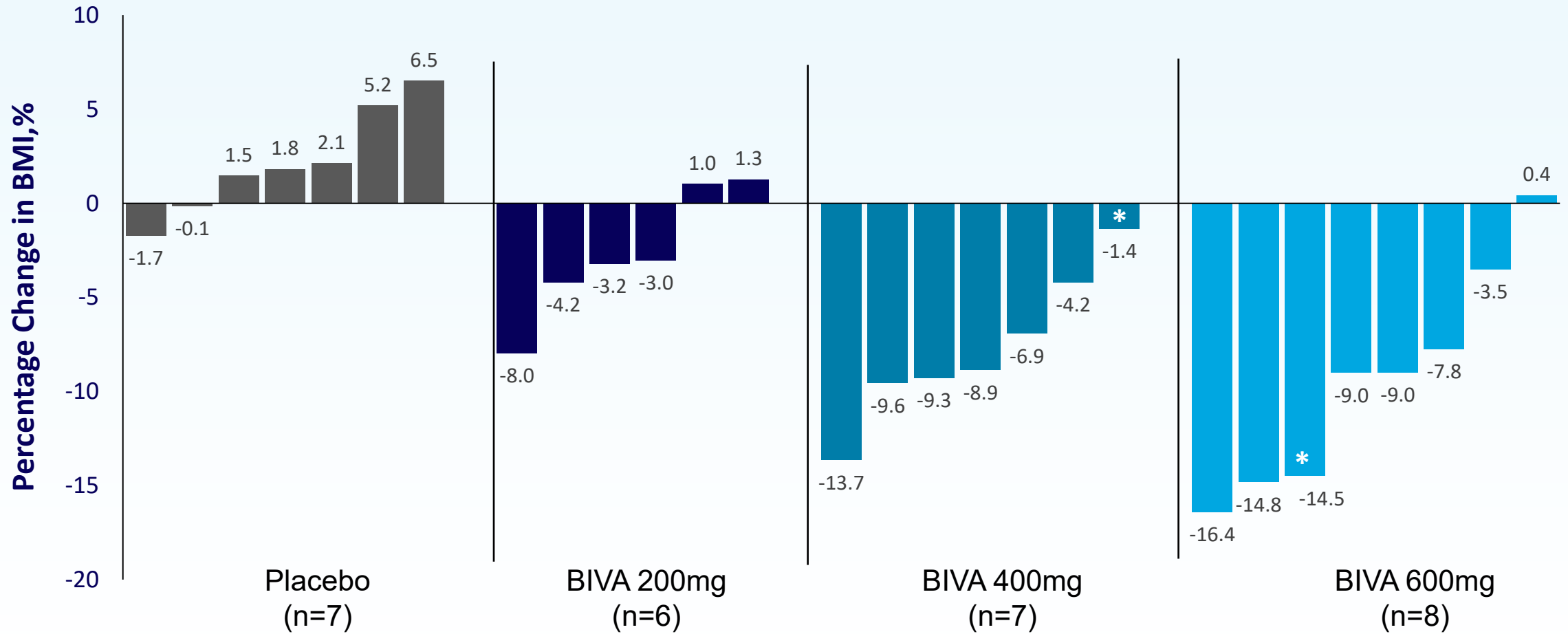
BMI, kg/m ²	Adults (n=1)	WHO Classification (NIH ⁵)	Pediatric patients (n=11)*											BMI percentile ⁶	
≥50	50	Obesity class III (extreme)			157	166					190	158		≥140% [†]	≥95th percentile
≥45 to <50															
≥40 to <45															
≥35 to <40	37	Obesity class II (severe) ⁵	139	124	131	126			144		120	138		≥120% to <140% [‡]	≥95th percentile
≥30 to <35		Obesity class I	96	109			109							≥95% to <120% [§]	
≥25 to <30		Overweight													
<25		Normal weight					83				73		79	≥5th to <85th percentile	

*Pediatric patients reported as %BMI95. †Or BMI ≥40 kg/m² (whichever is lower). ‡Or BMI ≥35 to <40 kg/m² (whichever is lower). §Or BMI ≥30 to <35 kg/m² (whichever is lower). %BMI95, percent of the 95th percentile for BMI; BMI, body mass index; NIH, National Institutes of Health; WHO, World Health Organization.

Consistent Response to Setmelanotide Therapy Observed across Majority of Patients in Phase 3 Trial in Acquired HO

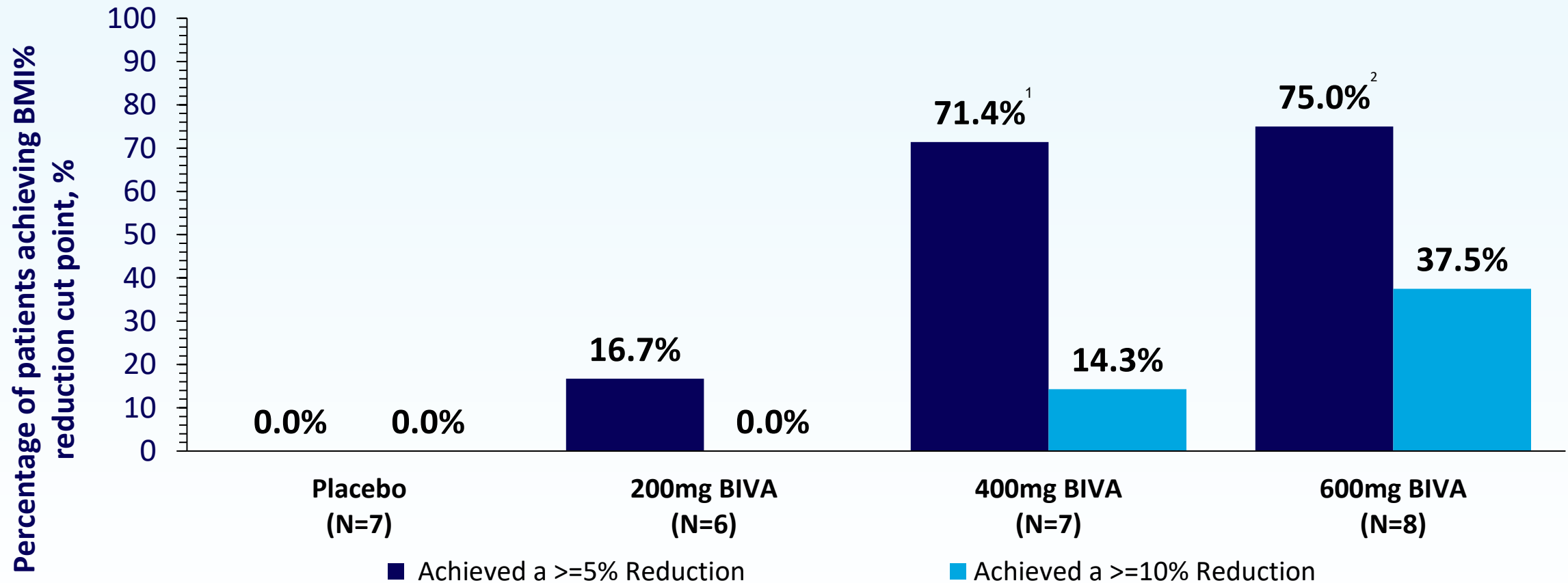


Individual Percentage Change in BMI from Baseline to Week 14



* Last observation carried forward (LOCF): One patient in 400mg cohort discontinued therapy at week one.

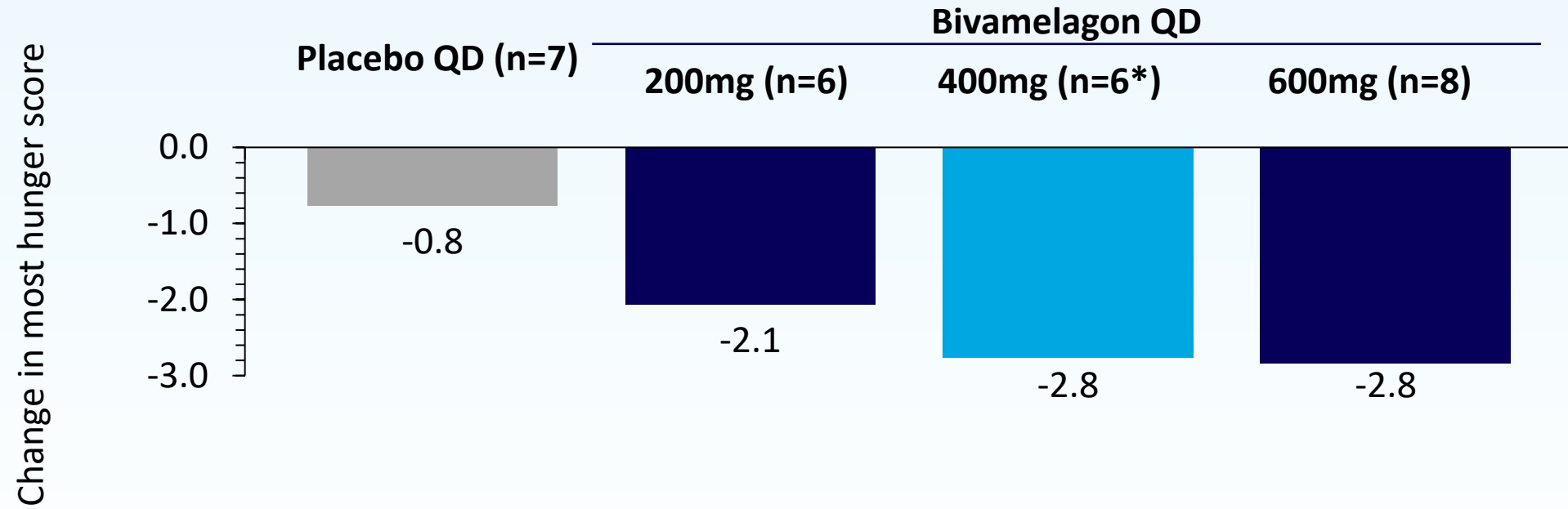
Patients Achieved BMI Reductions of at least 5%, 10% at Week 14



1. $P=0.0105$

2. $P= 0.0056$ vs placebo

Bivamelagon Achieved Meaningful Reductions in 'Most' Hunger Scores at Week 14



Weekly average of daily scores on a 10-point scale with 10 being 'most' hungry.

*One patient 400mg bivamelagon who did not complete trial did not have Week 14 score and is not included

Thank you