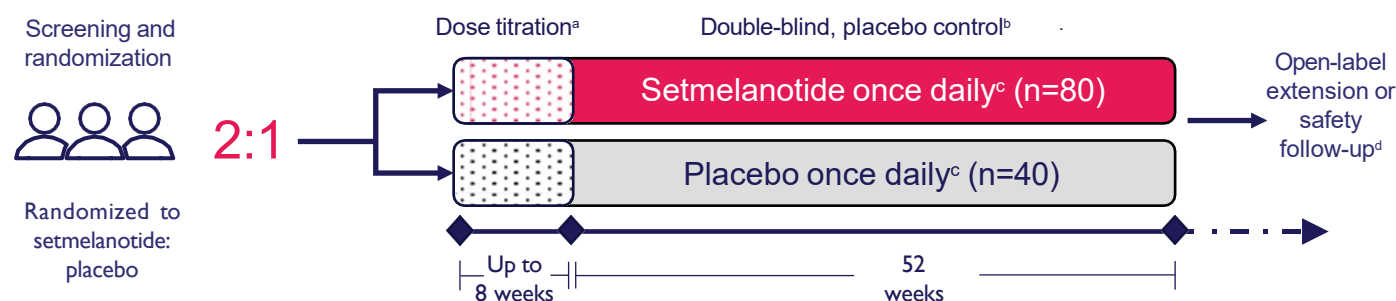


Acquired Hypothalamic Obesity

Accelerated and sustained weight gain due to decreased energy expenditure and hyperphagia observed in hypothalamic obesity are often refractory to traditional weight management strategies^{1,2} Setmelanotide is an MC4R agonist being studied for its effect on weight and hunger in patients with MC4R pathway diseases^{3,4}

● A Phase 3, Double-Blind, Randomized, Placebo-Controlled Trial to Evaluate the Efficacy and Safety of Setmelanotide in Patients With Acquired Hypothalamic Obesity^{5,6}



^aThe initial dose of 0.5 mg is to be escalated in increments of 0.5 to 1.0 mg until the patient reaches an individual therapeutic regimen based on age and weight.

^bPatients completing the trial may be eligible to participate in an open-label LTE trial. ^cSubcutaneous injection. ^dThe safety follow-up visit is required only for patients prematurely discontinuing treatment or those completing the trial who do not enroll in the LTE.

Key Eligibility Criteria^{5,6}

KEY INCLUSION CRITERIA

- ≥4 years of age
- Documented evidence of acquired hypothalamic obesity, defined as
 - Diagnosis of craniopharyngioma or other brain lesion affecting the hypothalamic region with treatment (ie, surgery, chemotherapy, radiation) received ≥6 months before screening
 - Documented injury to the hypothalamus ≥6 months before screening for which surgery or radiation is not indicated
- Documented weight gain associated with hypothalamic injury (before or after therapy), and
 - BMI ≥30 kg/m² for those aged ≥18 years
 - BMI ≥95th percentile for age and sex for those aged <18 years

KEY EXCLUSION CRITERIA

- Diagnosis of PWS or ROHHADNET syndrome
- Obesity due to genetic or syndromic conditions before hypothalamic injury
- Weight loss in the prior 3 months
 - >2% reduction in body weight for those aged ≥18 years
 - >2% reduction in BMI for those aged <18 years
- Bariatric surgery or procedure within the last 2 years
- HbA_{1c} >11.0%
- Significant dermatologic findings relating to melanoma, or a history or close family history of skin cancer or melanoma
- Severe psychiatric disorder or major depressive disorder

BMI, body mass index; GFR, glomerular filtration rate; HbA_{1c}, glycated hemoglobin; LTE, long-term extension; PWS, Prader-Willi syndrome; ROHHADNET, rapid-onset obesity with hypoventilation, hypothalamic dysfunction, autonomic dysregulation, and neuroendocrine tumor.

Key Endpoints^{5,6}

PRIMARY ENDPOINT^a:

- Mean percentage change in BMI

KEY SECONDARY ENDPOINTS^a:

- Composite proportion of patients with $\geq 5\%$ reduction in BMI (≥ 18 years of age) and BMI z-score reduction of ≥ 0.2 points (< 18 years of age)
- Proportion of all patients with $\geq 5\%$ reduction in BMI
- Mean change in weekly average of daily most hunger score in those aged ≥ 12 years

Approximately 120 patients enrolled across **28 sites globally**

Safety and tolerability will be assessed by the frequency and severity of adverse events, as well as changes in ambulatory blood pressure and heart rate

^aAfter 52 weeks of setmelanotide vs placebo.

Expected Trial Completion Date: April 2025⁵

- For additional trial information, including a list of eligibility criteria and endpoints, please visit <https://clinicaltrials.gov/ct2/show/NCT05774756>
- For questions about the trial, please contact us at clinicaltrials@rhythmtx.com

Scan to view the ClinicalTrials.gov page



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