

# Rhythm Pharmaceuticals

Second Quarter 2023 Financial Results and Business  
Update

**August 1, 2023**





## On Today's Call

David Connolly, Executive Director of Investor Relations and Corporate Communications

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

Jennifer Chien, Executive Vice President, Head of North America

Yann Mazabraud, Executive Vice President, Head of International

Hunter Smith, Chief Financial Officer

# Important Notice

This presentation contains certain statements that are forward-looking within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, and that involve risks and uncertainties, including without limitations statements regarding the potential, safety, efficacy, and regulatory and clinical progress of setmelanotide, including the anticipated timing for initiation of clinical trials and release of clinical trial data and our expectations surrounding potential regulatory submissions, approvals and the timing thereof, our business strategy, prospects and plans, including regarding commercialization of setmelanotide, the application of genetic testing and related growth potential, expectations surrounding the potential market opportunity for our product candidates, the potential financial impact, growth prospects, benefits of and research and development efforts following our acquisition of Xinvento B.V., our participation in upcoming events and presentations, and the content of such presentations, our anticipated financial performance and financial position, including estimated Non-GAAP Operating Expenses for the year ending December 31, 2023, and the sufficiency of our cash, cash equivalents and short-term investments to fund our operations. Statements using words such as "expect", "anticipate", "believe", "may", "will" 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 outcome of clinical trials, the impact of competition, the impact of management departures and transitions, the ability to achieve or obtain necessary regulatory approvals, risks associated with data analysis and reporting, our expenses, the impact of the COVID-19 pandemic on our business operations, including our preclinical studies, clinical trials and commercialization prospects, and general economic conditions, and other risks as may be detailed from time to time in our Annual Reports on Form 10-K and Quarterly Reports on Form 10-Q and other reports we file 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.

This presentation and the accompanying oral presentation includes Non-GAAP Operating Expenses, a supplemental measure of our performance that is not required by, or presented in accordance with, U.S. GAAP and should not be considered as an alternative to operating expenses or any other performance measure derived in accordance with GAAP. We define Non-GAAP Operating Expenses as GAAP operating expenses excluding stock-based compensation. We caution investors that amounts presented in accordance with our definition of Non-GAAP Operating Expenses may not be comparable to similar measures disclosed by our competitors because not all companies and analysts calculate this non-GAAP financial measure in the same manner. We have not provided a quantitative reconciliation of forecasted Non-GAAP Operating Expenses to forecasted GAAP operating expenses because we are unable, without making unreasonable efforts, to calculate the reconciling item, stock-based compensation expenses, with confidence. This item, which could materially affect the computation of forward-looking GAAP operating expenses, is inherently uncertain and depends on various factors, some of which are outside of our control.

David Meeker, MD

# High-level Execution on Global Commercialization and Market Access for BBS, Expansion of Overall Opportunity through Clinical Development

## Strong BBS commercial execution

- Strong growth with \$19.2M in global net revenue for 2Q2023
- Robust U.S. demand for IMCIVREE for BBS continues
- IMCIVREE now commercially available in Canada, GCC states; German BBS launch underway

**IMCIVREE**<sup>®</sup>  
(setmelanotide) injection

## Hypothalamic obesity programs progressing

- Based on rapid progress in Ph3 trial, enrollment completion now anticipated by the end of 2023
- Six-month LTE data demonstrating sustained and deepening reductions in BMI
- 12-month data planned for fall conference

## Multiple development programs advancing

- RM-718: IND planned by year-end 2023
- Multiple 2H 2023 data readouts with preliminary data from Ph2 DAYBREAK trial and Ph3 pediatrics and Ph3 switch
- Additional detail on development programs at 4Q R&D event

# RM-718: More Selective MC4R Agonist Extending Patent Protection

Investigational New Drug (IND) application on track to be filed by end of 2023

**MC4R-specific,**  
potentially  
more potent

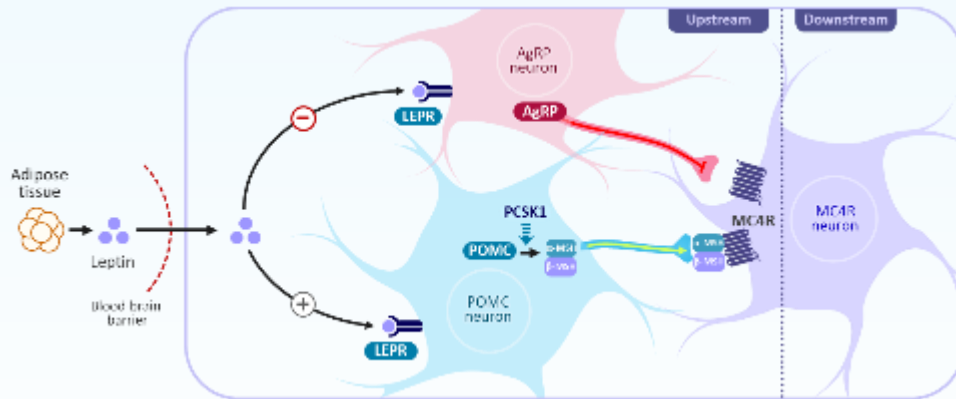
**MC1R-sparing,**  
designed to  
eliminate  
hyperpigmentation  
effect

**Weekly formulation**  
with composition  
of matter  
**patent protection**  
**to 2041\***

**More details at R&D event in Q4**

\*Includes patent term adjustment and patent term extension.

# Rare MC4R Pathway Diseases Combine for Significant Opportunity



## Approved for:€

Bardet-Biedl syndrome

POMC, PCSK1 and LEPR deficiencies

**4,000 - 5,000 patients in the U.S.\***

**600 – 2,500 patients in the U.S.\***

## Phase 3 Trial Initiated

Hypothalamic obesity

**5,000 – 10,000 patients in the U.S.\***

## Phase 3 EMANATE Trial\*\*

Heterozygous POMC/PCSK1 insufficiency

Heterozygous LEPR insufficiency

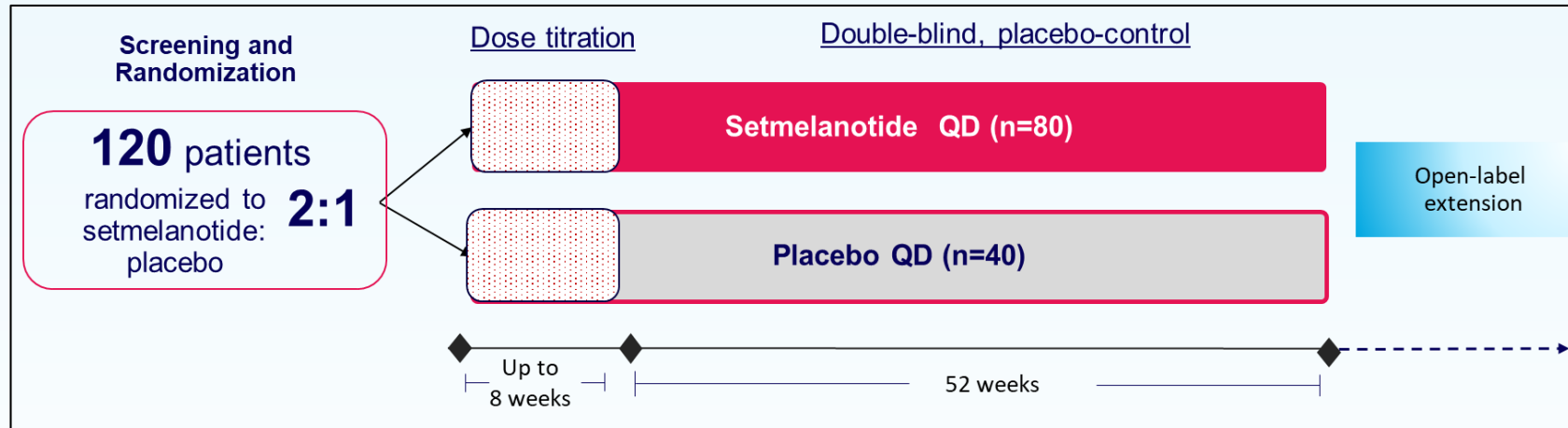
SRC1 deficiency

SH2B1 deficiency

**53,000 patients in the U.S. †**

\*Estimated prevalence of U.S. patients based on company estimates; does not include ex-U.S. prevalence estimates.

# Accelerating Guidance: Now Expect to Complete Enrollment by the end of 2023 in Ph3 Hypothalamic Obesity Trial



Starting dose for all patients is 0.5mg QD; Maximum dose for patients <6yo is between 1.5mg QD and 3.0mg QD based on body weight; maximum dose for patients >6yo with a body weight of 30 kgs or more is 3.0mg QD.

**Primary endpoint:** Mean % change in BMI from baseline to after approximately 52 weeks on a therapeutic regimen of setmelanotide compared with placebo.

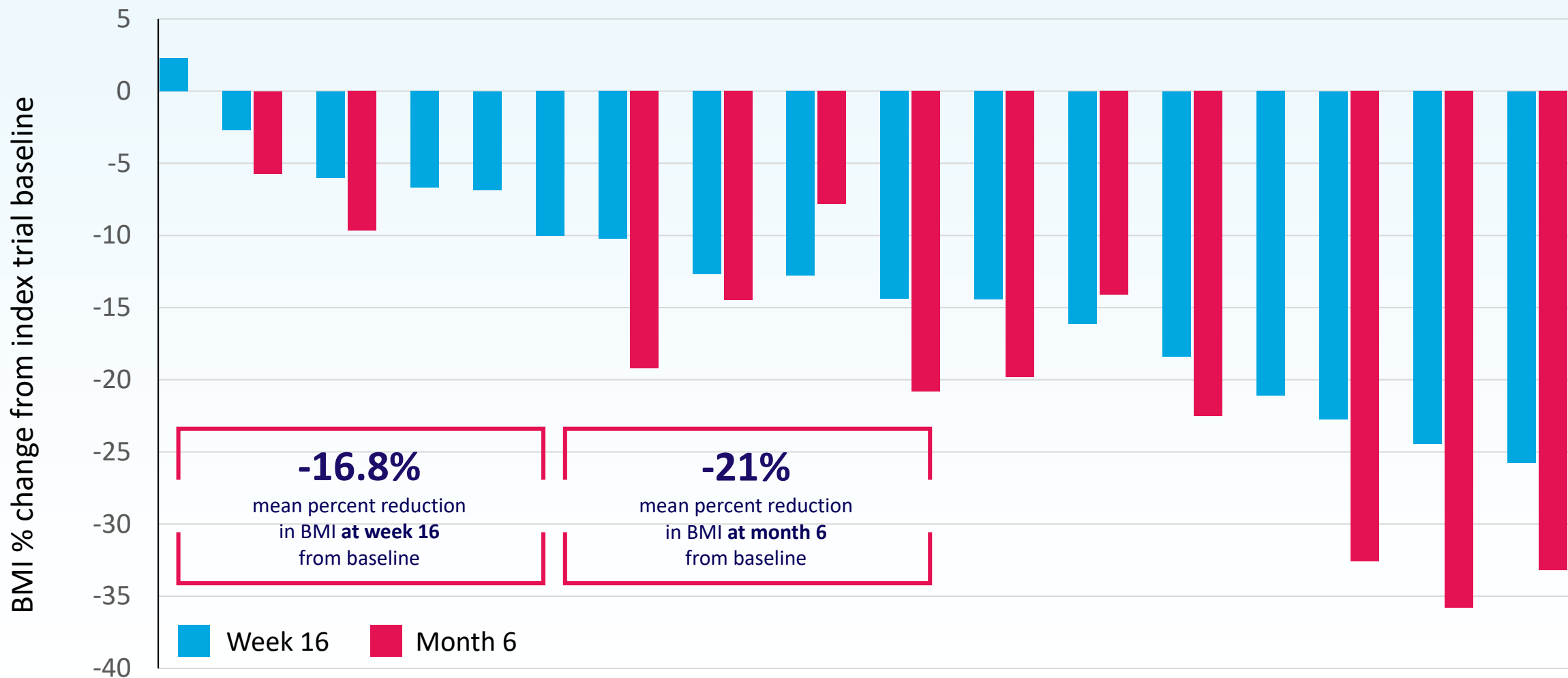
**25%**  
patients screened as of  
June 30

**1/3**  
of planned sites  
now open

BMI, body mass index; QD, once daily.



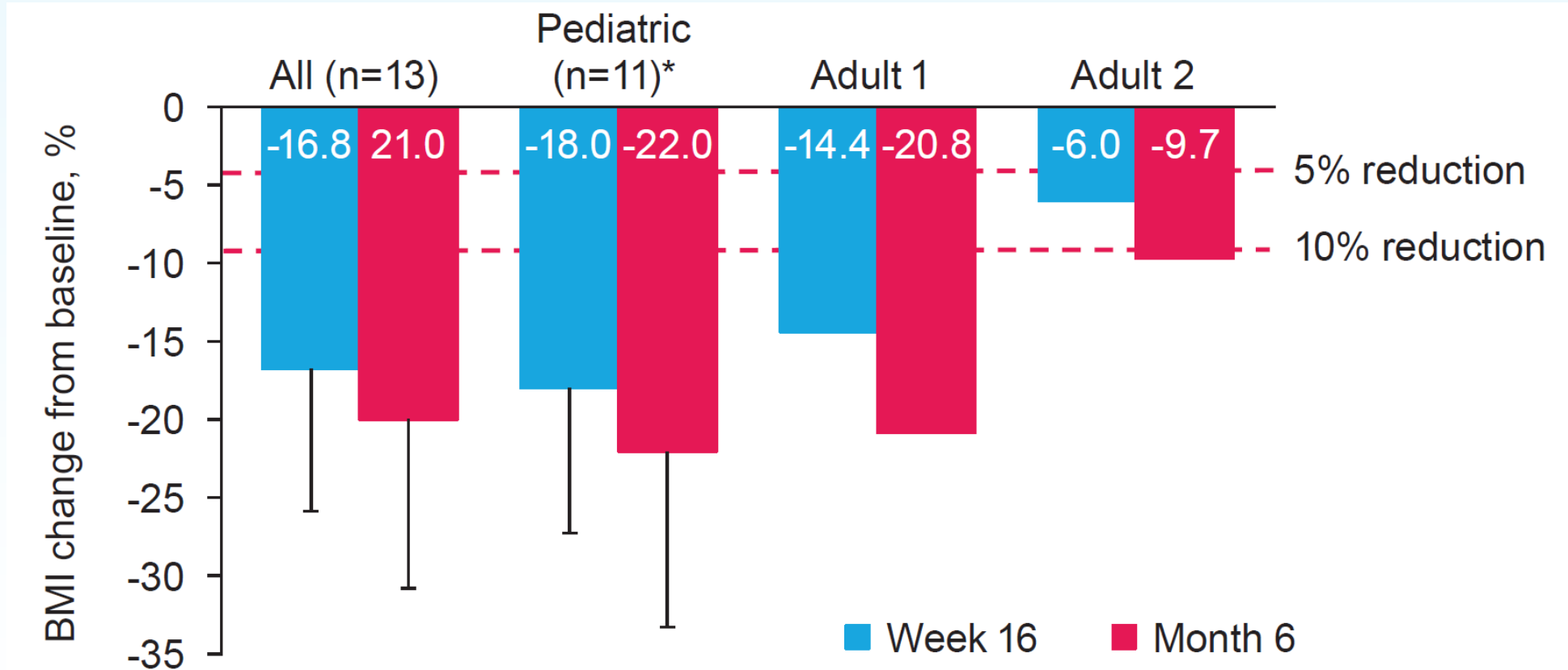
# Hypothalamic Obesity: LTE Data Demonstrate Sustained, Deepening BMI Reduction over Six Months\*



\*Adapted from data presented during The Endocrine Society Annual Meeting & Expo (ENDO 2023) on June 17, 2023, in Chicago.




# Progression in BMI Reduction Consistent Across All Patients in LTE

Mean BMI reduction of 21.0% from baseline observed in 13 patients at six months, showing progression from 16.8% mean BMI reduction at 16 weeks



Error bars are the standard deviation. \*One pediatric patient did not have a Month-6 visit, and Month-9 data were used for this analysis. BMI, body mass index. As presented at ENDO 2023.

# Ongoing Programs Designed to Achieve Label and Pipeline Expansion

	Patient Population	Pre-clinical	Phase 1/2	Phase 3	Commercially Approved
 (setmelanotide) injection	POMC, PCSK1 or LEPR (PPL) deficiency		Complete		
	Bardet-Biedl syndrome (BBS)		Complete		
<b>Setmelanotide</b> <i>daily formulation</i>	Hypothalamic Obesity	Study underway	Complete	Study underway	
	 Emanate <small>Obesity and Hunger Clinical Trial</small>	Study underway	Complete	Study underway	
	Pediatrics (age 2 to <6 years, POMC or LEPR deficiency obesity or BBS)	Study underway		Study underway	
	 Daybreak <small>Obesity and Hunger Clinical Trial</small>	Study underway		Study underway	
<b>Setmelanotide</b> <i>weekly formulation</i>	Switch study with patients previously on setmelanotide	Study underway		Study underway	
	Patients with BBS naïve to setmelanotide therapy (ex-U.S.)	Study underway		Planned study	
<b>RM-718</b>	Rare MC4R pathway diseases	Study underway	Planned study	IND planned by year-end 2023	
<b>Pre-clinical</b>	Congenital Hyperinsulinism (CHI)	Study underway	Lead identification underway; IND anticipated in 2024		

Complete
  Denotes study underway
  Denotes planned study

# Jennifer Chien

## BBS U.S. Launch

# Hyperphagia and Early-onset Obesity Have a Significant Impact on Patients with MC4R Pathway Diseases and their Families

IMCIVREE Patient Ambassador program launched with 8 patient/caregiver speakers



*“I was hungry all day long. I even started sneaking food in the middle of the night because my mind was constantly on my hunger.”*

Kathryn, Diagnosed with BBS at 6 years old

*“Prior to IMCIVREE, I didn’t realize how much of my mental energy was consumed by my hunger. I’m able to free up my mind and do more enjoyable things with my life.”*

## **BORN WITH:**

Autosomal recessive polycystic kidney disease (diagnosed in utero), polydactyly

## **2 YEARS OLD:**

Visual impairment and developmental delays emerge

## **6 YEARS OLD:**

Pronounced hyperphagia; clinical presentation prompted BBS diagnosis via genetic testing

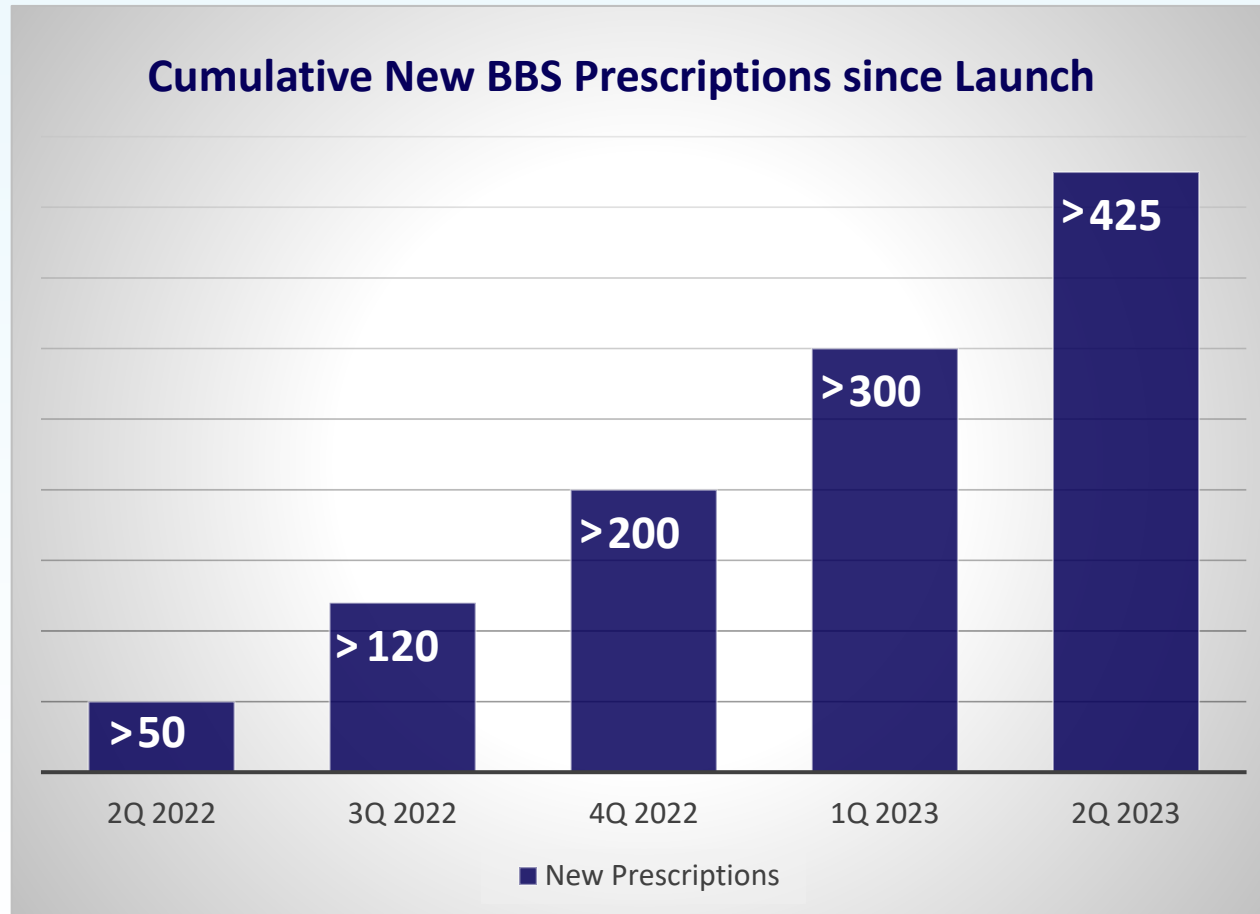
## **TEEN YEARS:**

Hyperphagia, obesity, and visual deficits worsen

## **28 YEARS OLD:**

IMCIVREE prescribed by PCP

# Strong U.S. Demand Continues throughout First Full Year of BBS Launch



**>425\***  
New BBS prescriptions  
launch to date

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**>125\*** received during  
2Q 2023

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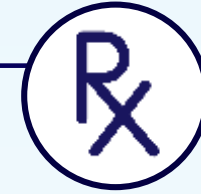
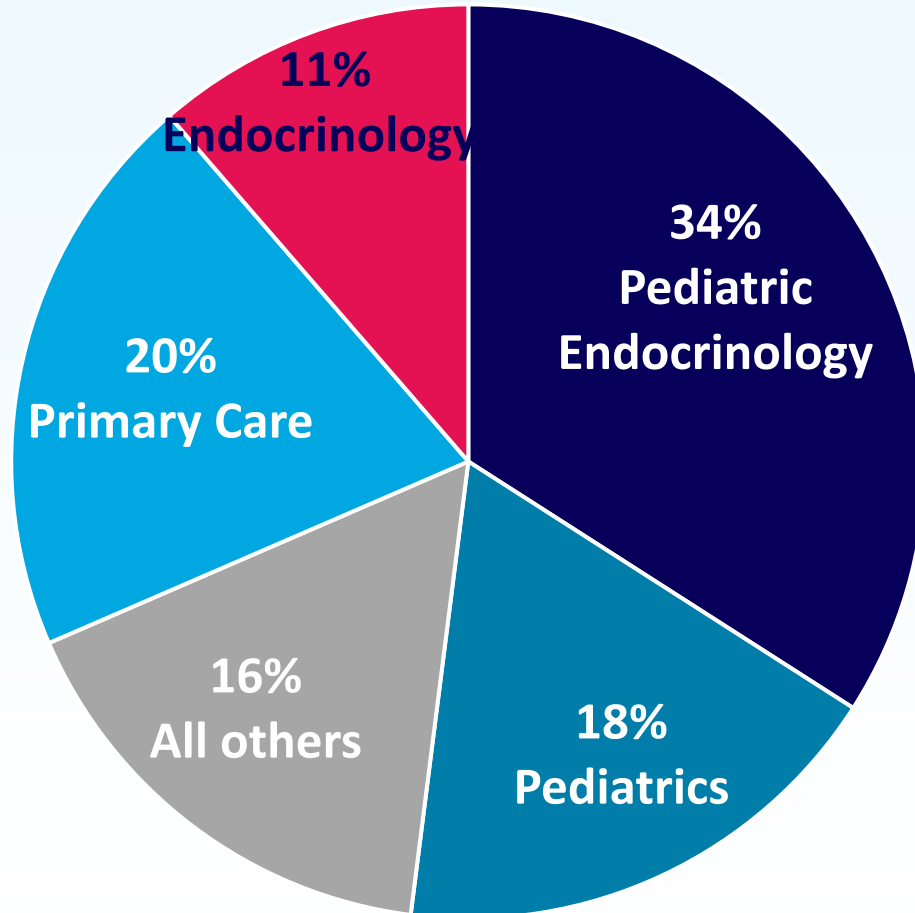
**>250\*** reimbursement  
approvals

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**>250\*** unique  
prescribers

\* As of June 30, 2023. IMCIVREE was approved by the U.S. FDA on June 16, 2022.

# BBS IMCIVREE Prescribers by Specialty Since Launch



**>250\***  
Prescribers  
as of 6/30/2023

**26%** Of prescribers  
'new to Rhythm'

**>25%** of prescribers have  
written more than  
one prescription

\*As of June 30, 2023

# Improved Medicaid Reimbursement now with ~80% of Covered Lives in States with Positive Coverage Policies, Decisions for IMCIVREE

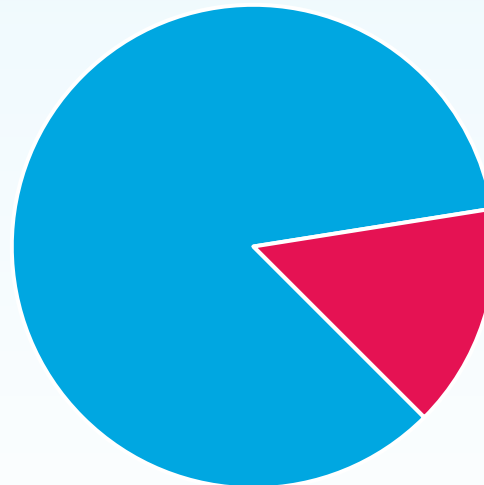
**~80%\*\***

of covered lives split between states with:

- an IMCIVREE policy in place; or
- or a positive coverage decision in the absence of an IMCIVREE policy\*\*

Medicaid Covered Lives

~85 million\*



**~20%**

of covered lives in states with:

- no IMCIVREE prescription received;
- or IMCIVREE prescription being processed;
- or no access by policy\*\*

**Payor mix remains consistent as ~90% of reimbursed BBS prescriptions since launch fall under commercial and Medicaid plans**

\* According to Medicaid, there were approximately 85 million individuals enrolled in Medicaid in all fifty states, Puerto Rico and the District of Columbia, as of December 2022; \*\* As of June 30, 2023



# Snapshot of BBS Patients with Prescriptions, Duration on Therapy

Age Range	Since Launch
Adult (18+)	~54%
Adolescent (12-17)	~25%
Pediatric (6-11)	~21%

## Re-authorizations

**50**  
re-authorization  
approvals to date  
(at 3-, 6- or 12-months)

Majority of plans  
have **12-month**  
re-authorization timeframes

\*As of June 30, 2023

# Patient Identification, Physician Engagement and Community Building

## Patient Identification

- Uncovering Rare Obesity genetic testing
- Non-personal promotion
- Ambassador programs and webinars

## Physician Engagement

- Increased depth and breadth of prescribers with direct engagement
- Medical conference presentations and events

## Community Building

- Rhythm InTune
- Patient advocacy engagement
- Non-personal promotion
- Speaker programs and webinars

Clinical Suspicion

Disease Education

Diagnosis

Decision to Treat

Rx IMCIVREE

Access

IMCIVREE<sup>®</sup>  
(setmelanotide) injection

Maintenance

# Yann Mazabraud

## EVP, Head of International

# Important Market for IMCIVREE for BBS, POMC and LEPR Deficiencies

## POMC, PCSK1 and LEPR Deficiency Obesities

Estimated European prevalence

**600 - 2,500**

**~100**

individuals identified  
in **EU4 + UK**

## Bardet-Biedl Syndrome

Estimated European prevalence

**4,000 – 5,000**

**>1,500**

individuals identified in **EU4 + UK**  
(~20 academic medical centers  
with >40 BBS patients)

# IMCIVREE for Biallelic POMC/LEPR and/or BBS to be Available in More than Ten Countries Outside United States in 2023



## France

Reimbursed early-access programs for BBS and POMC/LEPR



## United Kingdom

NICE BBS discussions encouraging; BBS launch anticipated in 2H2024



## Italy

'Innovation' rating from AIFA; ongoing price negotiation; BBS launch end of 2023



## Netherlands

BBS pricing negotiations ongoing, with recent administrative changes, BBS launch mid-2024



## Spain

Ongoing PPL & BBS pricing negotiations; Launch planned end of 2023

## Early access or named patient sales



Austria



Turkey



UAE



Argentina

Initiated the reimbursement process in Belgium and the Nordic Countries

# Strong Start for IMCIVREE Launch for BBS in Germany

Leveraging KOL engagement, BBS patient advocacy and patient support programs

**~1,200**

Estimated German prevalence\*

**~800**

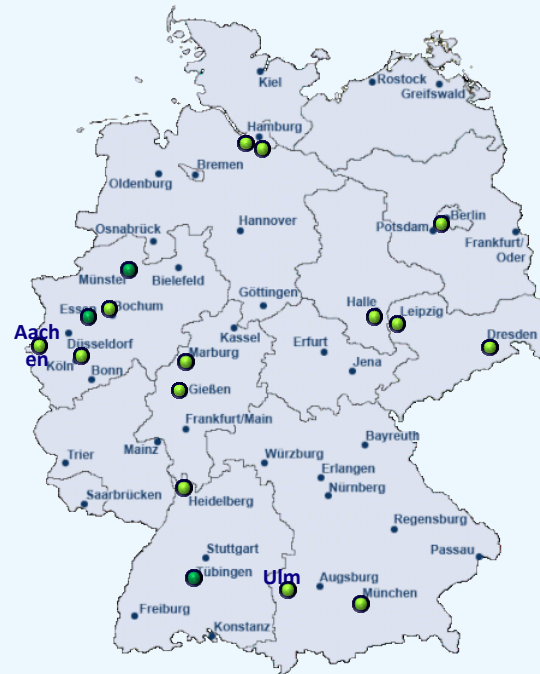
Patients diagnosed with BBS\*

**>250**

Patients with BBS identified\*

\*Internal company estimates.

Engaging care centers, large hospitals leads to prescriptions



**Rhythm@Home**



**Wir sind für Sie da.**  
Rhythm@Home® Patientenservice.

Die Lebensqualität von Menschen mit genetisch bedingter Fettleibigkeit liegt uns sehr am Herzen. Deshalb unterstützen wir sie dabei, den Alltag mit ihrer Erkrankung so unkompliziert wie möglich zu gestalten.

**Unser Angebot für Sie:**  
Speziell geschulte Mitarbeiter/-innen begleiten und betreuen Betroffene individuell bei der Therapie.

Patient support system tailored to each patient, designed to educate patients and caregivers, to set expectations and to maintain adherence

# Hunter Smith

## 2Q 2023 Financial Results

## 2Q 2023 Financial Snapshot

(\$ in millions, except per share data and shares outstanding)	Three months ended June 30, 2023	Three months ended June 30, 2022
Product revenue, net	\$19.2M	\$2.3M
R&D expenses	\$33.5M	\$31.5M
SG&A expenses	\$30.0M	\$22.3M
Net Loss	\$(46.7)M	\$(45.0)M
Shares outstanding (basic and diluted share count)	56,867,662	50,398,003
Net Loss per share - basic and diluted	\$(0.82)	\$(0.89)
Cash, cash equivalents and short-term investments position (period end)	\$253.6M	\$235.6M



## 2Q 2023 Financial Highlights

**\$278.0M**

pro forma cash, cash equivalents and short-term investments as of June 30, 2023, together with anticipated HCR milestone

**~86%**

of 2Q 2023 revenue from U.S. sales of IMCIVREE vs. 83% in 1Q 2023

**2Q 2023**

OpEx includes **\$8.9M** in stock-based compensation vs. \$6.4M in 1Q 2023

Non-GAAP OpEx Guidance for 2023: **\$200M to \$220M\***

In July 2023, achieved sales milestone making Rhythm eligible for **\$25M investment tranche** from Healthcare Royalty Partners

Cash expected to be sufficient to fund planned operations **into 2025**

\* Does not include COGS.

# David Meeker, MD

## Conclusion

# Plans for Continued Execution: Anticipated Upcoming Milestones and Data Readouts

## Anticipated clinical milestones

- ✓ Early 2023: Initiate Ph 3 hypothalamic obesity trial
- 2H2023: Present data analyses from Ph2 and LTE trials in hypothalamic obesity at medical conferences
- 2H23: Announce preliminary data from Phase 2 DAYBREAK trial in 2H2023
- 2H23: Announce topline data Ph3 open-label pediatrics trial in patients between 2 and 6 years old
- 2H23: Announce PK and tolerability data Ph3 weekly switch trial
- 2H23: Provide update on early-stage programs, including RM-718 and CHI program, at R&D event
- 2H23: Complete enrollment in Phase 3 hypothalamic obesity trial
- 1H24: Initiate a Ph 3 weekly “de novo” study

## Ex-US Market Access:

- ✓ 2Q23: Germany launch for BBS
- 2H23: Launch in Spain and Italy for both POMC/LEPR and BBS

# Rhythm's Strategic Priorities for 2023

Execute on  
global commercial  
strategy  
with  
**BBS launches**

Enroll and execute  
**Phase 3** trial to  
evaluate  
setmelanotide in  
**hypothalamic  
obesity**

**Expand  
IMCIVREE  
opportunity**  
and new product  
with development  
**assets**

# Questions