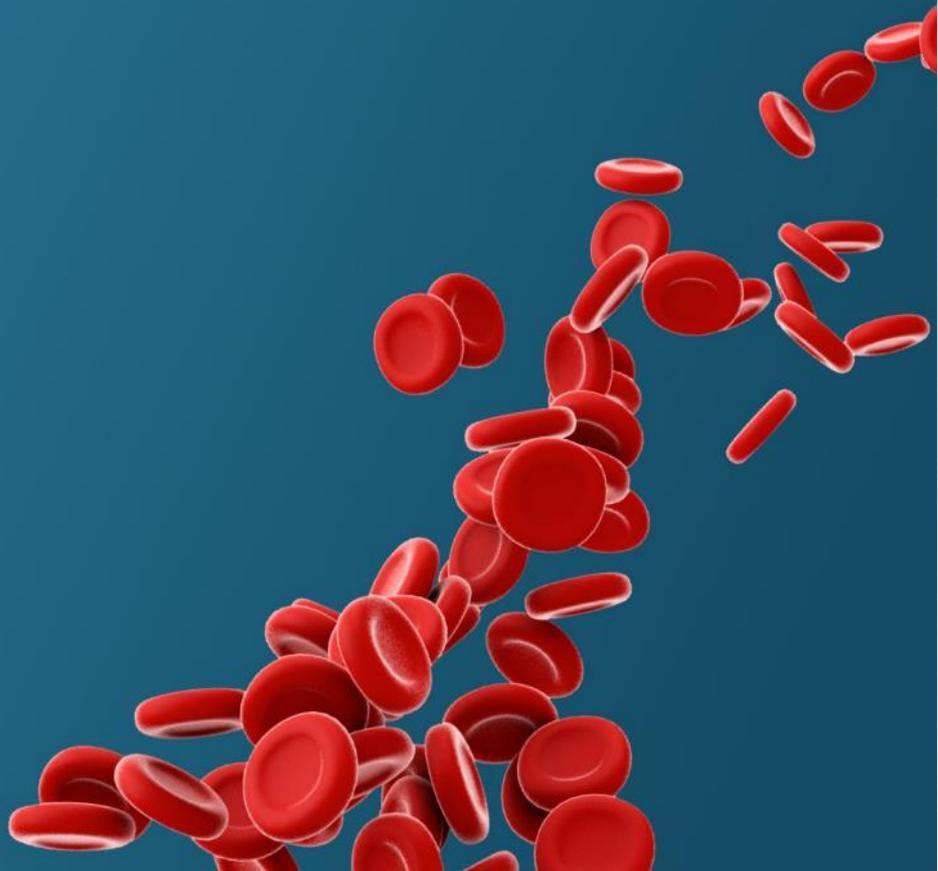




AgiOS at EHA 2024

June 16, 2024



Agios conference call participants

TOPIC	PARTICIPANT
Introduction	Chris Taylor, VP Investor Relations and Corporate Communications
Opening Remarks	Brian Goff, Chief Executive Officer
Mitapivat Phase 3 Development Program in Thalassemia	Sarah Gheuens, M.D., Ph.D., Chief Medical Officer, Head of Research and Development
ENERGIZE Data Overview	Ali Taher, M.D., Ph.D., Professor of Medicine, Hematology & Oncology and Director – Naef K. Basile Cancer Institute, American University of Beirut Medical Center
ENERGIZE Quality of Life and Patient-Reported Outcome Measures	Kevin Kuo, M.D., MSc, FRCPC; Division of Hematology, University of Toronto
Closing Remarks	Brian Goff, Chief Executive Officer
Q&A	All speakers, Cecilia Jones (CFO), and Tsveta Milanova (CCO)



Forward-looking statements

This presentation and various remarks we make during this presentation contain forward-looking statements within the meaning of The Private Securities Litigation Reform Act of 1995. Such forward-looking statements include those regarding the potential benefits of mitapivat, Agios' plans for the future clinical development of mitapivat in alpha- and beta thalassemia; Agios' plans for future regulatory submissions; and Agios' strategic plans and prospects. The words "anticipate," "expect," "goal," "hope," "milestone," "opportunity," "plan," "potential," "possible," "strategy," "will," "vision," and similar expressions are intended to identify forward-looking statements, although not all forward-looking statements contain these identifying words. Such statements are subject to numerous important factors, risks and uncertainties that may cause actual events or results to differ materially from Agios' current expectations and beliefs. For example, there can be no guarantee that any product candidate Agios is developing will successfully commence or complete necessary preclinical and clinical development phases, or that development of any of Agios' product candidates will successfully continue. There can be no guarantee that any positive developments in Agios' business will result in stock price appreciation. Management's expectations and, therefore, any forward-looking statements in this presentation and various remarks we make during this presentation could also be affected by risks and uncertainties relating to a number of other important factors, including, without limitation: risks and uncertainties related to the impact of pandemics or other public health emergencies to Agios' business, operations, strategy, goals and anticipated milestones, including its ongoing and planned research activities, ability to conduct ongoing and planned clinical trials, clinical supply of current or future drug candidates, commercial supply of current or future approved products, and launching, marketing and selling current or future approved products; Agios' results of clinical trials and preclinical studies, including subsequent analysis of existing data and new data received from ongoing and future studies; the content and timing of decisions made by the U.S. FDA, the EMA or other regulatory authorities, investigational review boards at clinical trial sites and publication review bodies; Agios' ability to obtain and maintain requisite regulatory approvals and to enroll patients in its planned clinical trials; unplanned cash requirements and expenditures; Agios' ability to obtain, maintain and enforce patent and other intellectual property protection for any product candidates it is developing; Agios' ability to establish and maintain key collaborations; uncertainty regarding any milestone or royalty payments related to the sale of Agios' oncology business or its in-licensing of TMPRSS6 siRNA, and the uncertainty of the timing of any such payments; uncertainty of the results and effectiveness of the use of Agios' cash and cash equivalents; competitive factors; and general economic and market conditions. These and other risks are described in greater detail under the caption "Risk Factors" included in Agios' public filings with the Securities and Exchange Commission. Any forward-looking statements contained in this presentation and various remarks we make during this presentation speak only as of the date hereof, and Agios expressly disclaims any obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise, except as required by law.

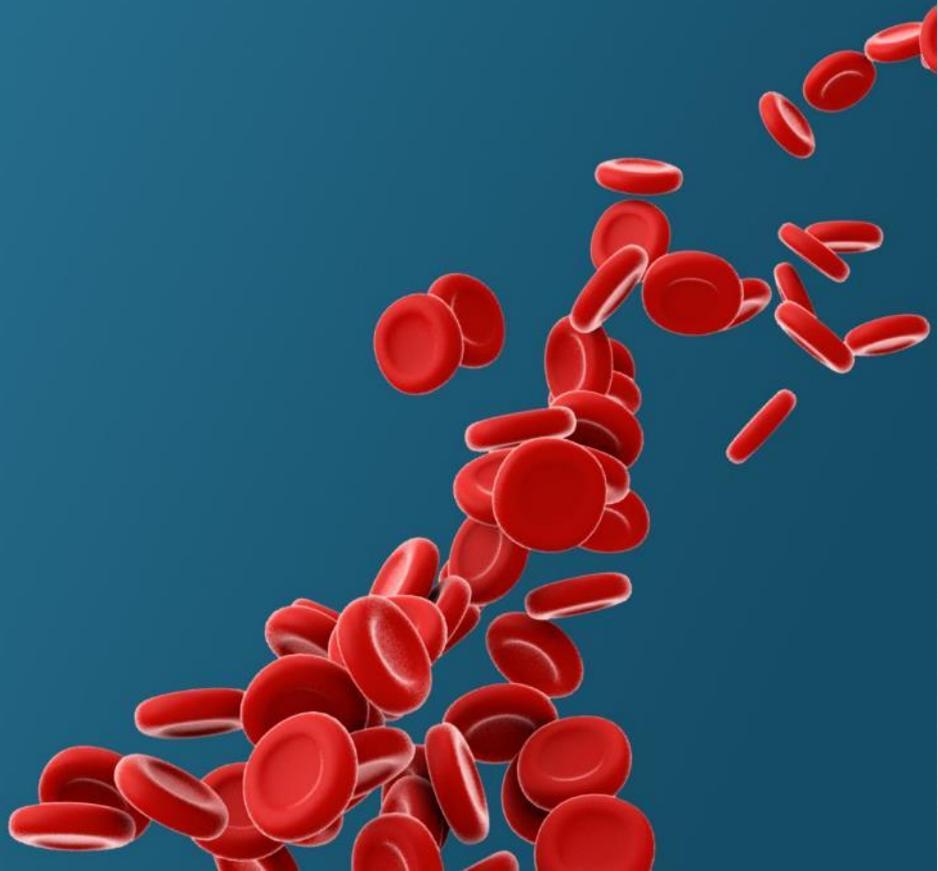




Opening Remarks

Brian Goff

Chief Executive Officer





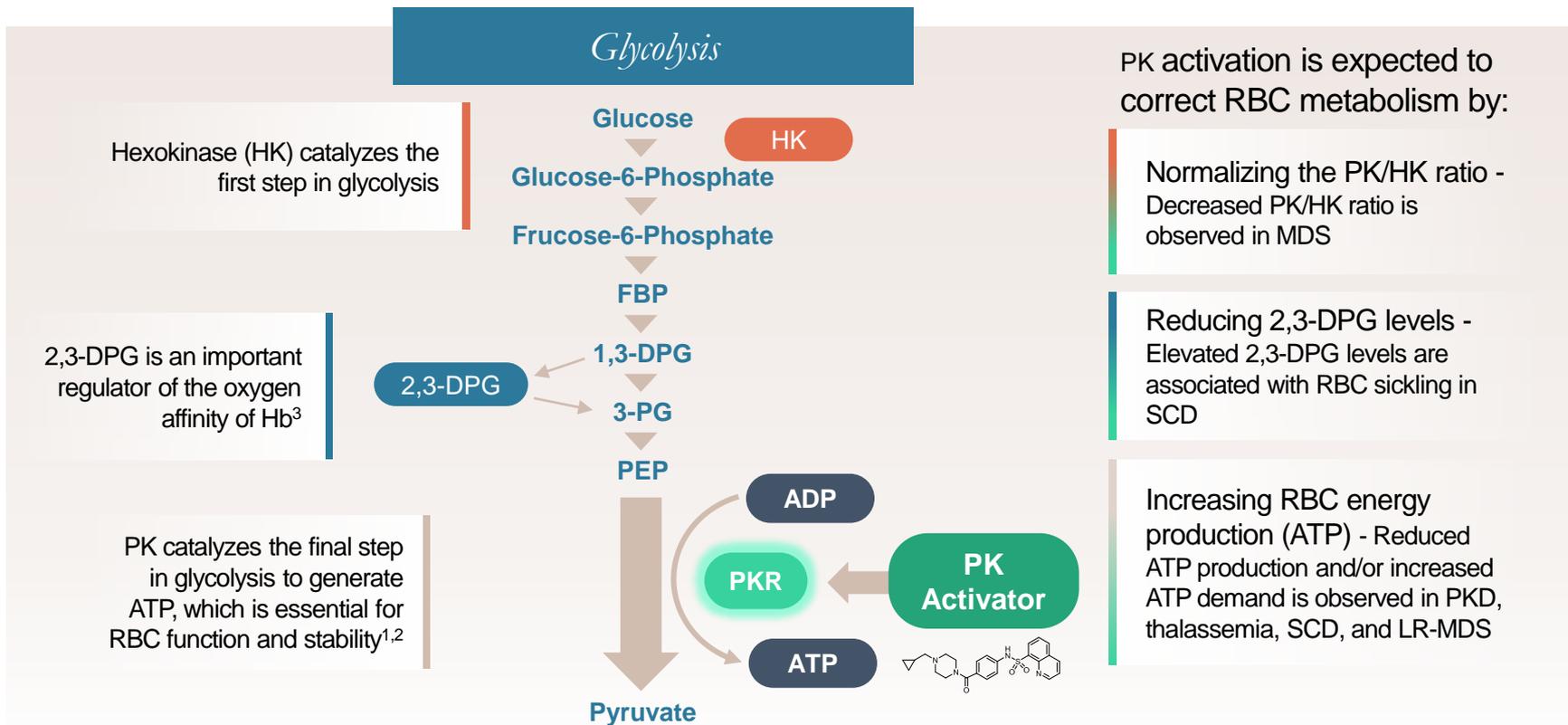
Mitapivat Phase 3 Development Program in Thalassemia

Sarah Gheuens, M.D., Ph.D.

Chief Medical Officer, Head of Research and Development



PYRUKYUND® (mitapivat) is an oral, small molecule allosteric activator of pyruvate kinase with the potential to correct RBC metabolism



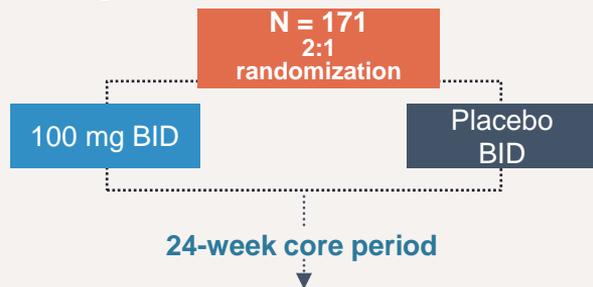
ADP = adenosine diphosphate; ATP = adenosine triphosphate; DPG = diphosphoglycerate; FBP = fructose bisphosphate; m = mutant; PEP = phosphoenolpyruvate; PG = phosphoglycerate; PK = pyruvate kinase; PKR = RBC-specific PK; RBC = red blood cell

1. Kung C et al. Blood 2017;130:1347; 2. Valentini G et al. J Biol Chem 2002;277:23807; 3. Rab MAE et al. Blood 2021;137:2997-3001



Two global, Phase 3, randomized controlled trials of PYRUKYND® in thalassemia encompass broad range of thalassemia patients

ENERGIZE



Open-label extension (up to 5 years)

Primary endpoint

- Mean Hb ↑
≥ 1 g/dL from baseline

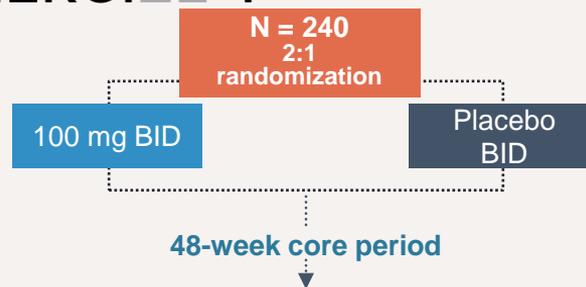
Secondary endpoints

- Fatigue, additional measures of Hb ↑, hemolysis, patient-reported outcomes, physical activity, iron metabolism, safety, PK/PD

Key inclusion criteria

- ≥ 18 years
- β -thalassemia \pm α -globin mutations, HbE β -thalassemia, or α -thalassemia (HbH disease)
- Non-transfusion-dependent defined as ≤ 5 RBC units during the 24-week period before randomization and no RBC transfusions ≤ 8 weeks prior
- Hb ≤ 10.0 g/dL

ENERGIZE-T



Open-label extension (up to 5 years)

Primary endpoint

- 50% reduction in transfusion burden in any 12-week rolling period

Secondary endpoints

- Additional measures of transfusion reduction, safety, PK/PD

Key inclusion criteria

- ≥ 18 years
- β -thalassemia \pm α -globin mutations, HbE β -thalassemia, or α -thalassemia (HbH disease)
- Transfusion-dependent defined as 6 to 20 RBC units transfused and ≤ 6 -week transfusion-free period during the 24-week period before randomization

BID = twice daily; Hb = hemoglobin; HbE = hemoglobin E; HbH = hemoglobin H; PK = pharmacokinetics; PD = pharmacodynamics.



Based on strength of two pivotal Phase 3 trials, Agios has potential to deliver the first therapy for all thalassemia subtypes

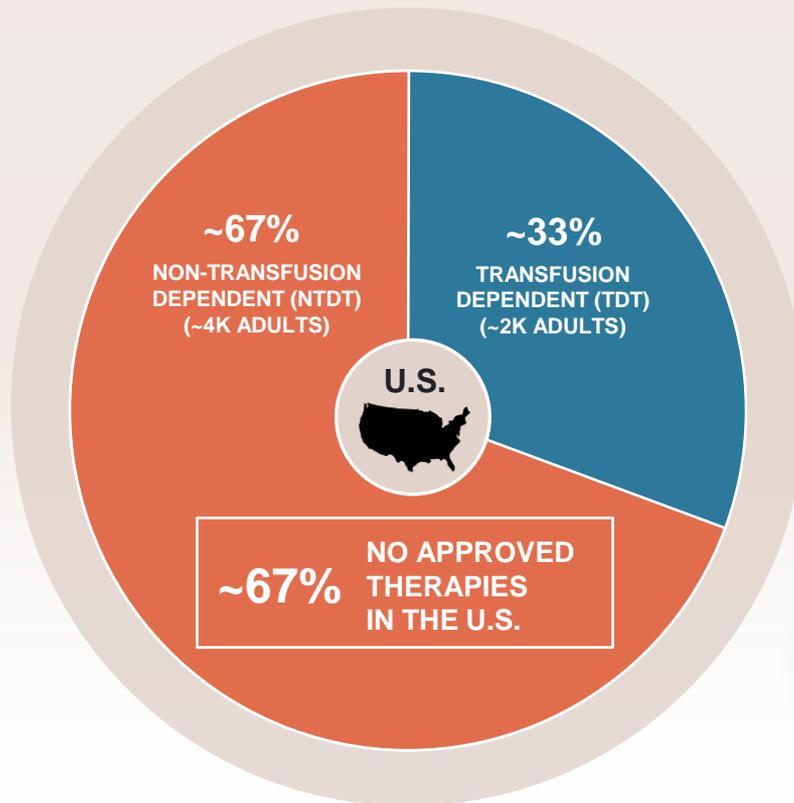
Mitapivat Thalassaemia Phase 3 program

ENERGIZE

- Alpha- and Beta-thalassaemia Non-transfusion dependent patients
- Primary endpoint achieved: Hemoglobin (Hb) response



**Data announced
January 3, 2024**



Mitapivat Thalassaemia Phase 3 program

ENERGIZE-T

- Alpha- and Beta-thalassaemia Transfusion dependent patients
- Primary endpoint achieved: Transfusion Reduction Response



**Data announced
June 3, 2024**





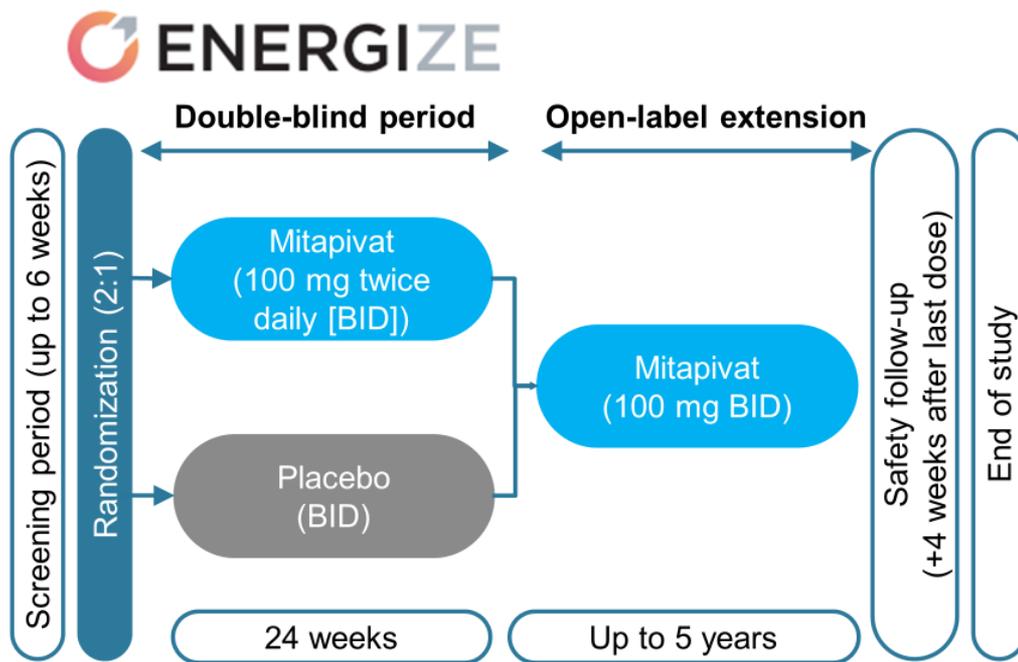
ENERGIZE Data Overview

Ali Taher, M.D., Ph.D.

*Professor of Medicine, Hematology & Oncology and
Director – Naef K. Basile Cancer Institute, American
University of Beirut Medical Center*



ENERGIZE: A phase 3 study of mitapivat in adults with α - or β -NTDT



Key inclusion criteria

- ≥ 18 years of age at time of informed consent
- β -thalassemia \pm α -globin mutations, HbE/ β -thalassemia, or α -thalassemia (HbH disease)
- Non-transfusion-dependent (≤ 5 RBC units transfused during the 24-week period before randomization and no RBC transfusions ≤ 8 weeks before informed consent and during screening)
- Hb ≤ 10.0 g/dL

Key exclusion criteria

- Prior exposure to gene therapy or hematopoietic stem cell transplant
- Homozygous or heterozygous for HbS or HbC
- Receiving treatment with luspatercept or a hematopoietic stimulating agent (last dose must be received ≥ 18 weeks before randomization)

Randomization stratification factors

- Baseline Hb (≤ 9.0 g/dL or 9.1–10.0 g/dL)
- Thalassemia genotype (α -thalassemia/HbH or β -thalassemia)

Endpoints

Primary endpoint

- Hb response, defined as an increase of ≥ 1.0 g/dL in average Hb concentration from Week 12 through Week 24, compared with baseline

Key secondary endpoints

- Change from baseline in average Functional Assessment of Chronic Illness Therapy–Fatigue Scale (FACIT-Fatigue) score from Week 12 through Week 24
- Change from baseline in average Hb concentration from Week 12 through Week 24

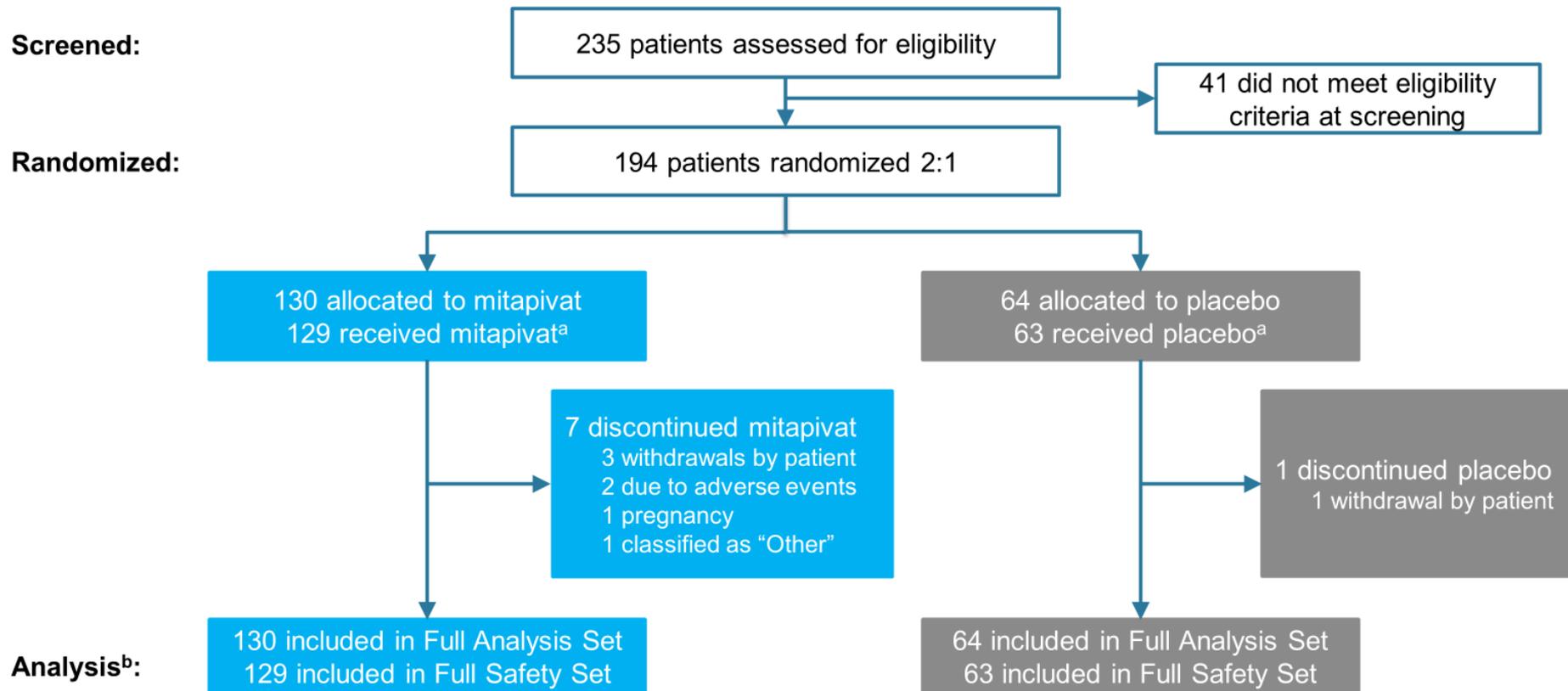
Secondary efficacy endpoints associated with hemolysis and erythropoietic activity

- Change from baseline in indirect bilirubin, lactate dehydrogenase (LDH), and haptoglobin at Week 24
- Change from baseline in reticulocytes and erythropoietin at Week 24

Safety endpoints

- Type, severity, and relationship of adverse events and serious adverse events

Patient flowchart: 194 patients were randomized in the study



Baseline demographics and disease characteristics were balanced between treatment arms

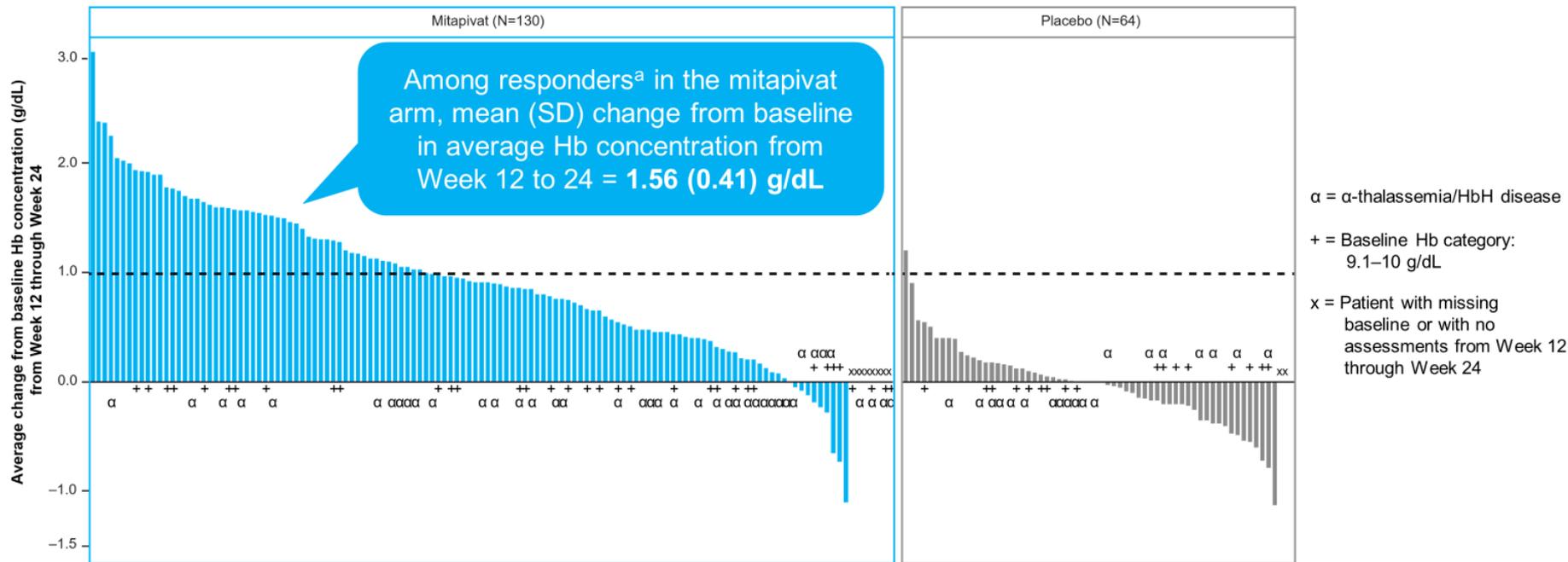
Demographics and disease characteristics	Mitapivat (N=130)	Placebo (N=64)
Age, mean (\pm SD), years	42.4 (13.0)	38.9 (13.0)
Female, n (%)	84 (64.6)	39 (60.9)
Thalassemia type, n (%)		
α -thalassemia/HbH disease	42 (32.3)	20 (31.3)
β -thalassemia	88 (67.7)	44 (68.8)
Transfusion burden, ^a n (%)		
0	114 (87.7)	54 (84.4)
1–2	10 (7.7)	7 (10.9)
3–5	6 (4.6)	3 (4.7)
>5	0 (0.0)	0 (0.0)
Prior splenectomy, ^b n (%)	47 (36.2)	25 (39.1)
Prior cholecystectomy, ^b n (%)	45 (34.6)	16 (25.0)
Received iron chelation in prior year, ^c n (%)	46 (35.4)	22 (34.4)
Hb, median (range), g/dL	8.4 (5.3–10.4)	8.4 (5.9–10.7)
Indirect bilirubin, median (range), μ mol/L	23.4 (2.2–155.8)	22.6 (2.7–81.6)
LDH, median (range), U/L	264 (108–1208)	267 (110–1009)
Haptoglobin, ^d median (range), g/L	0.1 (0.1–1.7)	0.1 (0.1–2.8)
Reticulocyte percentage, median (range), %	4.6 (0.3–29.8)	4.4 (0.0–21.9)
Erythropoietin, median (range), IU/L	65.1 (8.3–1587.0)	64.1 (15.7–4710.0)

^aTotal number of RBC units transfused in the 24-week period before randomization. ^bAs recorded in medical/surgical history electronic case report form (eCRF). ^cAs recorded in disease characteristics eCRF. ^d“Yes” if a patient received chelation therapy within 1 year (365 days) before randomization. ^eFor cases reported as “<0.1,” a haptoglobin value of 0.099 was used for the summary.
Hb, hemoglobin; HbH, hemoglobin H; LDH, lactate dehydrogenase; RBC, red blood cell

Mitapivat demonstrated a statistically significant improvement in Hb response vs placebo

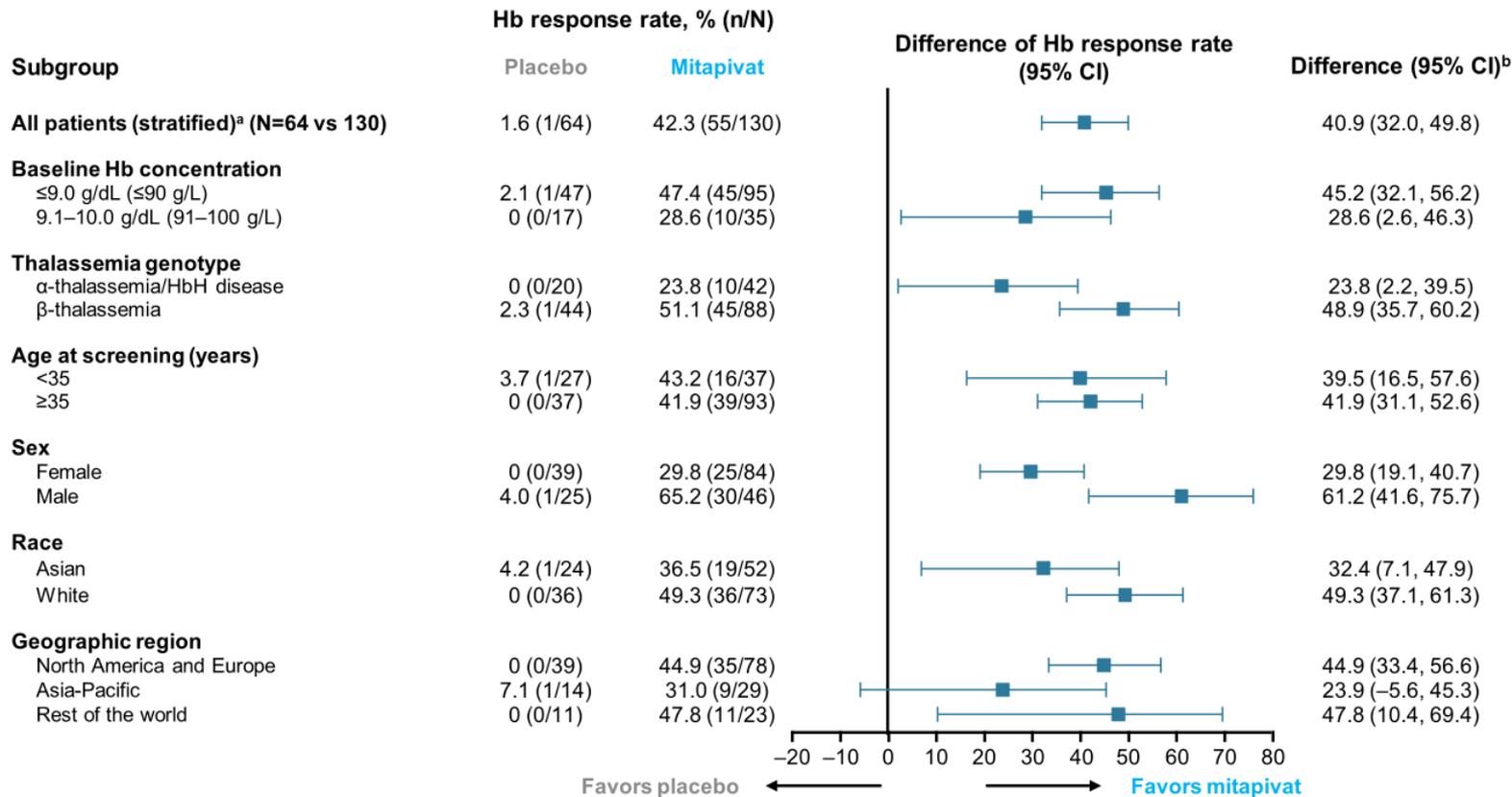
Primary endpoint

	Mitapivat N=130	Placebo N=64	2-sided p-value
Hb response, ^a n (%)	55 (42.3)	1 (1.6)	p<0.0001



Hb response rates were higher for mitapivat vs placebo across all prespecified subgroups

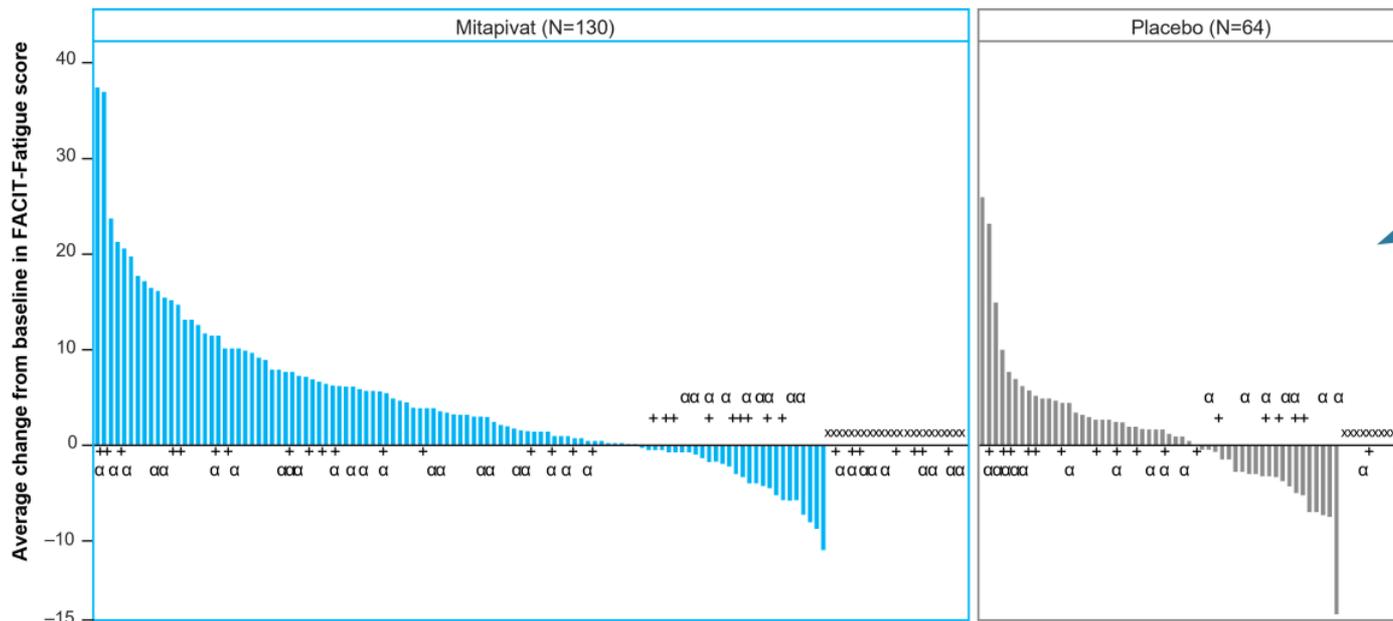
Subgroup analysis of primary endpoint



Mitapivat demonstrated a statistically significant improvement from baseline in average FACIT-Fatigue score from Weeks 12–24 vs placebo

Key secondary endpoint

	Mitapivat N=130	Placebo N=64	LSM difference	2-sided p-value
FACIT-Fatigue score, least-squares mean (LSM) (95% CI) change from baseline in average of Weeks 12–24	4.85 (3.41, 6.30)	1.46 (-0.43, 3.34)	3.40 (1.21, 5.59)	p=0.0026



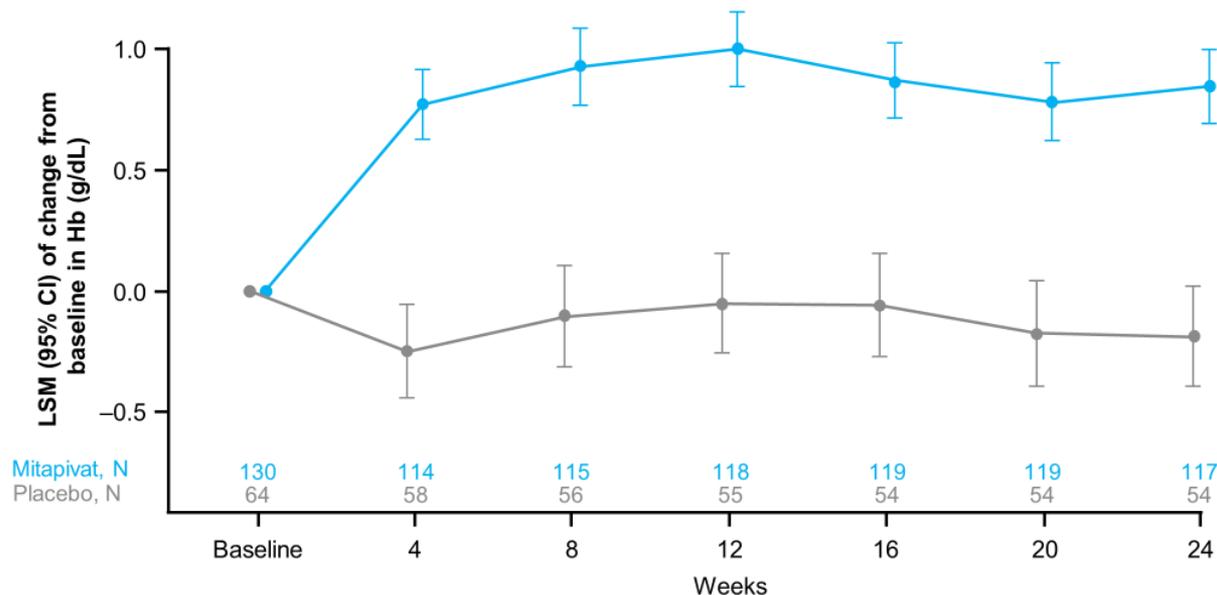
See poster P1529 for further details on HRQoL-related data

- α = α-thalassemia/HbH disease
- + = Baseline Hb category: 9.1–10 g/dL
- x = Patient with missing baseline or with no assessments from Week 12 through Week 24

Mitapivat demonstrated a statistically significant improvement in change from baseline in average Hb concentration from Weeks 12–24 vs placebo

Key secondary endpoint

	Mitapivat N=130	Placebo N=64	LSM difference	2-sided p-value
Hb, LSM (95% CI) change from baseline in average of Weeks 12–24, g/dL	0.86 (0.73, 0.99)	-0.11 (-0.28, 0.07)	0.96 (0.78, 1.15)	p<0.0001

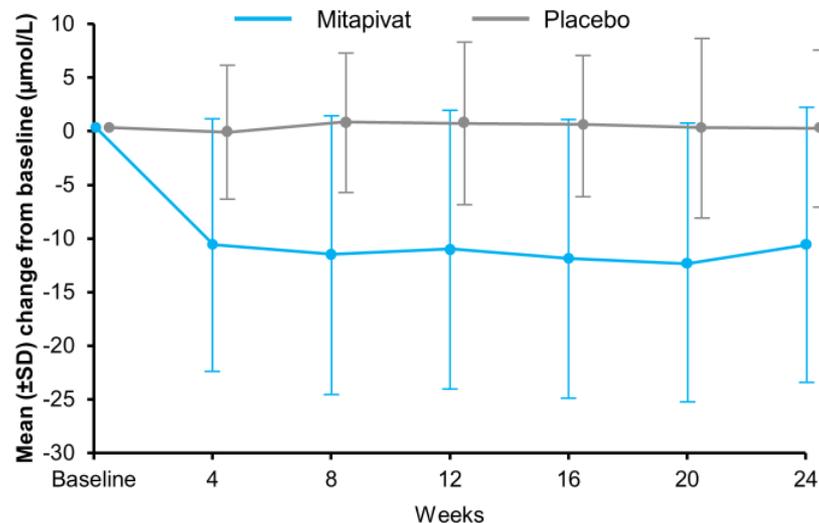


Improvements in markers of hemolysis were observed in the mitapivat arm vs placebo

Secondary endpoints

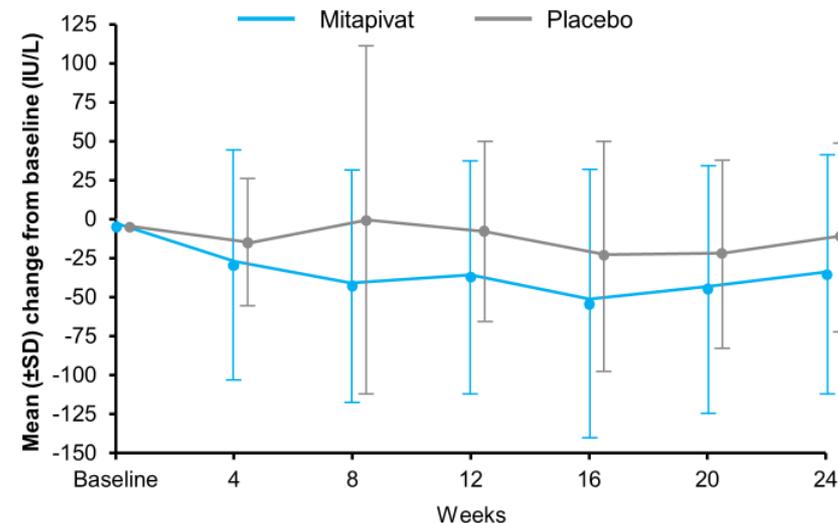
Indirect bilirubin

	Mitapivat N=116	Placebo N=54	LSM difference
Indirect bilirubin, LSM (95% CI) change from baseline at Week 24, $\mu\text{mol/L}$	-10.65 (-12.72, -8.58)	-0.03 (-2.80, 2.74)	-10.62 (-13.74, -7.50)



LDH

	Mitapivat N=116	Placebo N=54	LSM difference
LDH, LSM (95% CI) change from baseline at Week 24, U/L	-30.07 (-44.15, -15.99)	-5.79 (-24.43, 12.85)	-24.28 (-45.40, -3.15)



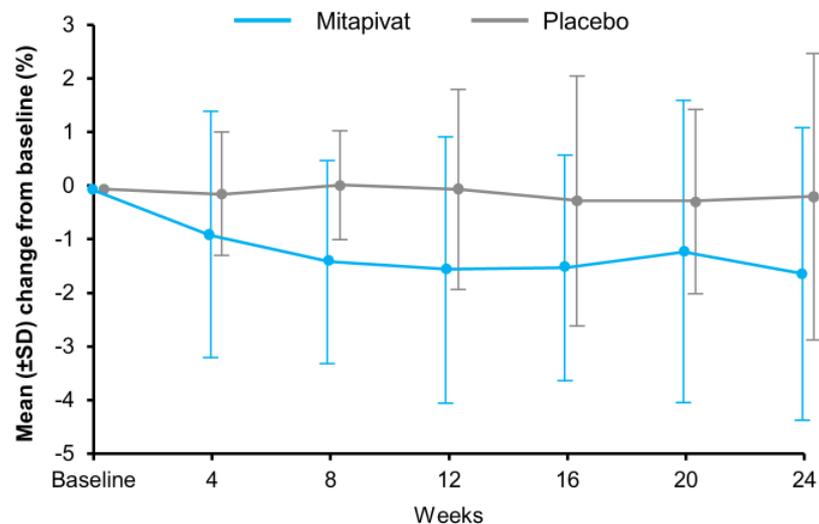
Note: numeric data are reported as LSM (95% CI) and figures are plotted with mean (\pm SD)

Improvements in markers of erythropoietic activity were observed in the mitapivat arm vs placebo

Secondary endpoints

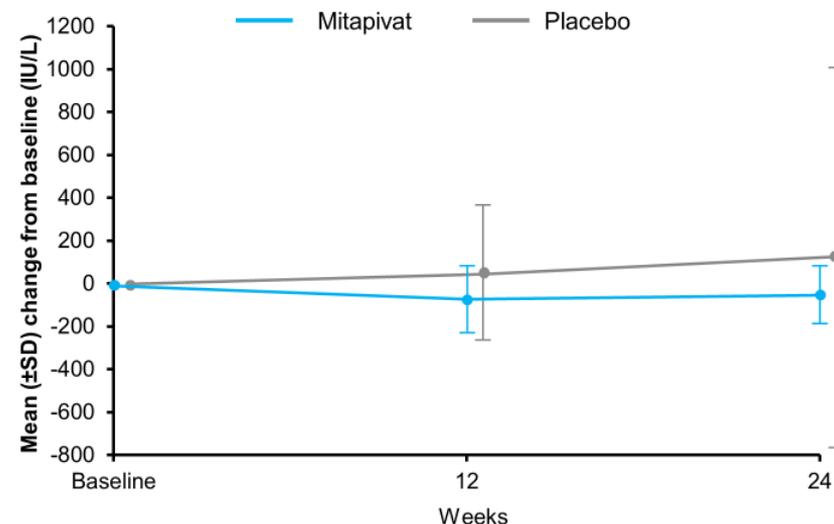
Reticulocyte percentage

	Mitapivat N=87	Placebo N=40	LSM difference
Reticulocyte percentage, LSM (95% CI) change from baseline at Week 24, %	-1.59 (-2.12, -1.07)	-0.25 (-0.97, 0.48)	-1.35 (-2.17, -0.53)



Erythropoietin

	Mitapivat N=103	Placebo N=47	LSM difference
Erythropoietin, LSM (95% CI) change from baseline at Week 24, IU/L	19.21 (-55.45, 93.86)	115.71 (18.04, 213.37)	-96.50 (-209.59, 16.60)



Note: numeric data are reported as LSM (95% CI) and figures are plotted with mean (±SD)

Summary of safety

Secondary endpoint

Patients, n (%)	Mitapivat (N=129)	Placebo (N=63)
Any treatment-emergent adverse events (TEAEs)	107 (82.9)	50 (79.4)
Grade ≥3 TEAEs	18 (14.0)	2 (3.2)
Treatment-related TEAEs	56 (43.4)	13 (20.6)
Grade ≥3 treatment-related TEAEs	5 (3.9)	0 (0.0)
Serious TEAEs	8 (6.2)	0 (0.0)
Serious treatment-related TEAEs	0 (0.0)	0 (0.0)
TEAEs leading to discontinuation of study drug	4 (3.1)	0 (0.0)
TEAEs leading to dose reduction	7 (5.4)	2 (3.2)
TEAEs leading to interruption of study drug	2 (1.6)	1 (1.6)
TEAEs leading to death	0 (0.0)	0 (0.0)

Most frequently reported ($\geq 10\%$) TEAEs

Preferred Term, n (%)	Mitapivat (N=129)	Placebo (N=63)
Headache		
Any grade	29 (22.5)	6 (9.5)
Grade ≥ 3	0 (0.0)	0 (0.0)
Initial insomnia		
Any grade	18 (14.0)	3 (4.8)
Grade ≥ 3	1 (0.8)	0 (0.0)
Nausea		
Any grade	15 (11.6)	5 (7.9)
Grade ≥ 3	0 (0.0)	0 (0.0)
Upper respiratory tract infection		
Any grade	14 (10.9)	4 (6.3)
Grade ≥ 3	0 (0.0)	0 (0.0)

Summary

- This global study was the first to enroll patients with α -thalassemia in addition to β -thalassemia
- The primary and key secondary endpoints were met, with statistically significant improvements in Hb and fatigue with mitapivat vs placebo
 - All prespecified subgroup analyses favored mitapivat vs placebo
- Improvements in markers of hemolysis and erythropoietic activity were observed, consistent with the mechanism of mitapivat¹⁻³
- Mitapivat was generally well tolerated in this study, with a low treatment discontinuation rate and a safety profile consistent with other studies³⁻⁶

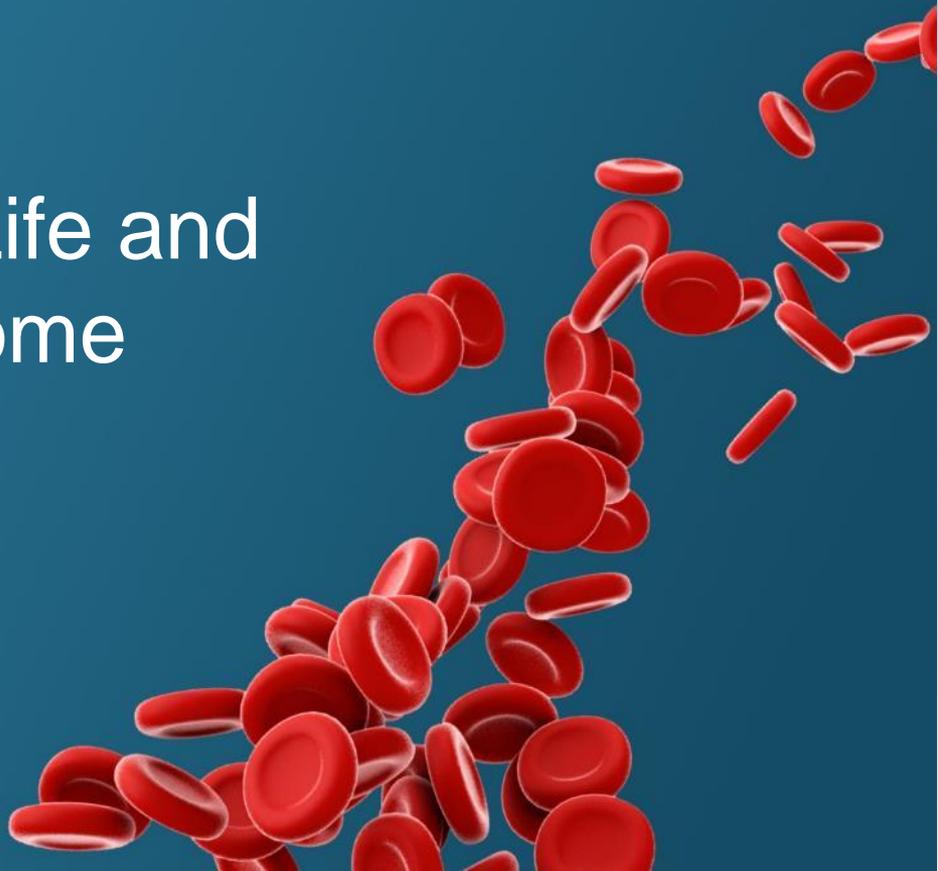
ENERGIZE demonstrated efficacy of mitapivat, a disease-modifying therapy, with significant improvements in both Hb and fatigue across the full range of NTDT, including both α - and β -thalassemia



ENERGIZE Quality of Life and Patient-Reported Outcome Measures

Kevin Kuo, M.D., MSc, FRCPC

Division of Hematology, University of Toronto



Background

Thalassemia and its impact on health-related quality of life (HRQoL)

- Thalassemia, a group of inherited disorders characterized by anemia due to chronic hemolysis and ineffective erythropoiesis, is associated with serious long-term complications^{1,2}
- Anemia has been associated with increased symptom burden, such as fatigue, and poor HRQoL in patients with non–transfusion-dependent thalassemia (NTDT)^{1,3}
- Patients with α - or β -thalassemia, regardless of transfusion status, report negative impacts on daily activities, physical functioning, and emotional/mental state^{4–6}
- Some domains of HRQoL are reportedly worse or comparable in adult patients with NTDT vs those with transfusion-dependent thalassemia (TDT)^{3–6}
- α -thalassemia has no approved therapies,^{7,8} and β -thalassemia has no approved oral disease-modifying therapies⁹
 - No oral disease-modifying therapies for thalassemia have been shown to improve aspects of HRQoL¹⁰

Methods

Study endpoints

Primary endpoint:

- Hemoglobin (Hb) response, defined as an increase of ≥ 1.0 g/dL in average Hb concentration from Week 12 through Week 24, compared with baseline

Key secondary endpoint:

- Change from baseline in average Hb concentration from Week 12 through Week 24

Key secondary endpoint included here:

- Change from baseline in average Functional Assessment of Chronic Illness Therapy–Fatigue Scale (FACIT-Fatigue) score from Week 12 through Week 24

HRQoL-related secondary endpoints included here:

- Change from baseline in 6-minute walk test (6MWT) distance at Week 24
- Improvement in the Patient Global Impression of Change (PGIC)-Fatigue at Weeks 12, 16, 20, and 24, or “no change” if no or mild fatigue at baseline

HRQoL-related exploratory endpoints included here:

- HRQoL as assessed by PGIC-Thalassemia Symptoms and PGIC-Walking Capacity at Week 24

Refer to **plenary presentation S104** (Plenary Abstracts Session on Saturday, June 15 [14:45–16:15 CEST]) for outcomes

Focus of this poster

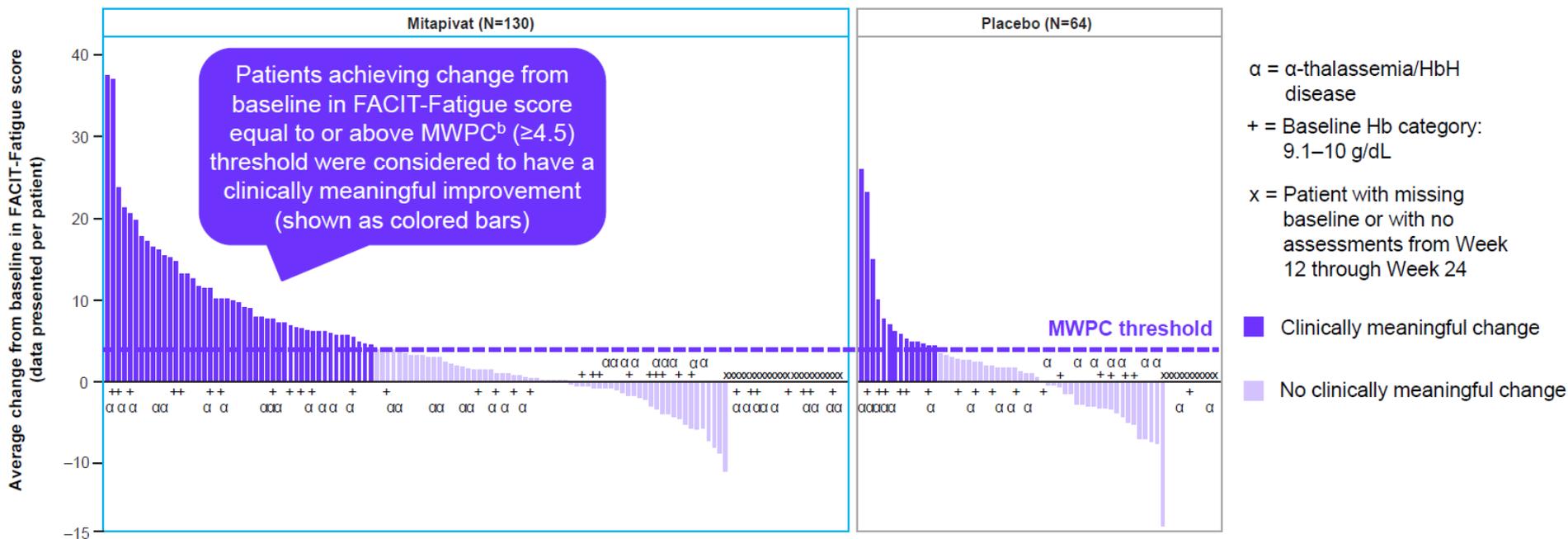
RESULTS

FACIT-Fatigue

- Patients were fatigued at baseline, with mean baseline FACIT-Fatigue scores lower than the general population (**Figure 3**)²¹
- Mitapivat demonstrated a statistically significant change from baseline in average FACIT-Fatigue score from Week 12 through Week 24 vs placebo (LSM difference (95% CI): 3.40 (1.21, 5.59) [2-sided $p=0.0026$]) (**Figure 3**)
- A higher proportion of those in the mitapivat arm (36.2%) met or exceeded the MWPC threshold compared with the placebo arm (21.9%) (**Figure 3 & Supplemental figure 2** [QR code])
- Mitapivat led to early and sustained improvements in FACIT-Fatigue score (**Figure 4**)

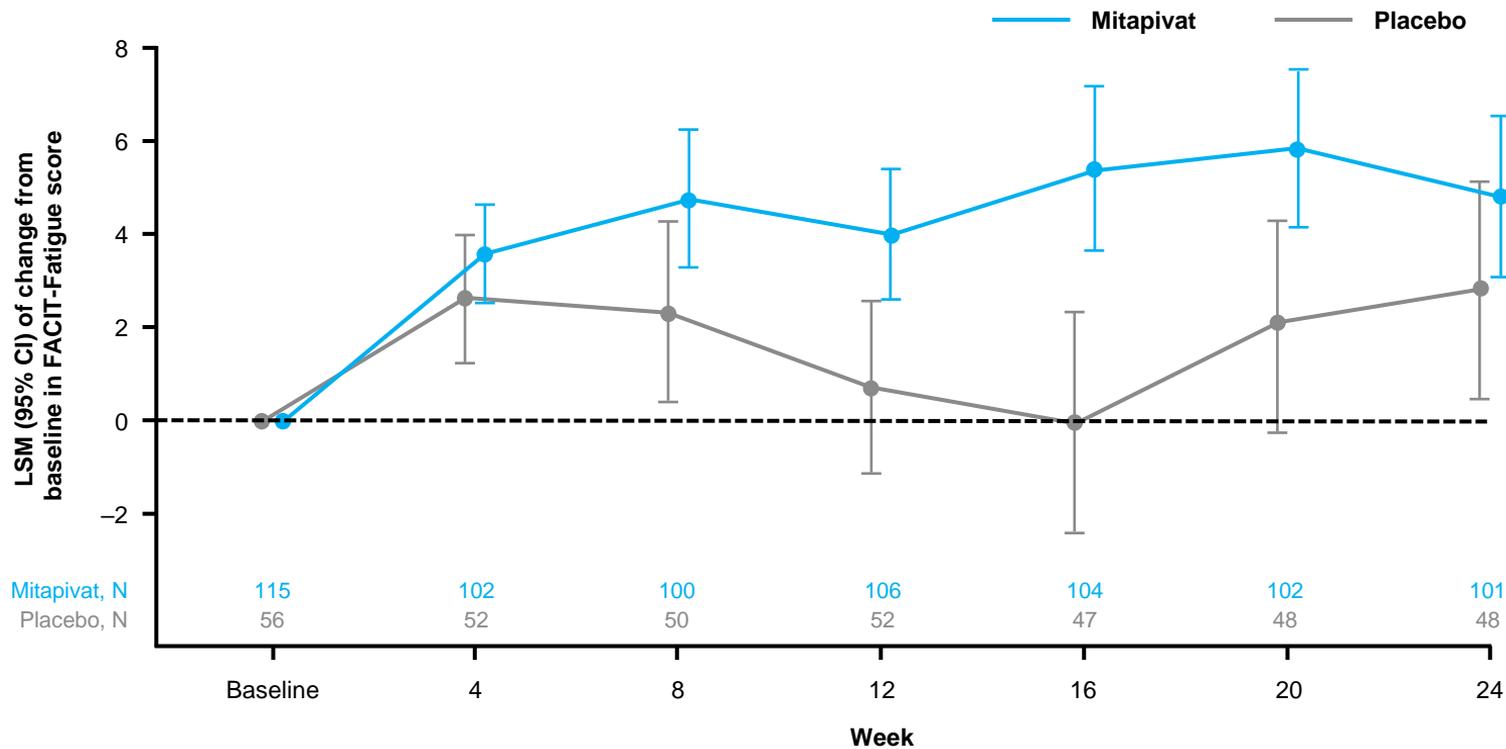
Figure 3. Average change from baseline in FACIT-Fatigue score from Week 12 through Week 24

	Mitapivat (N=130)	Placebo (N=64)	LSM difference	2-sided p-value
FACIT-Fatigue score at baseline, mean ^a	36.10	36.41	–	–
FACIT-Fatigue score, LSM change from baseline in average of Week 12 through Week 24 (95% CI)	4.85 (3.41, 6.30)	1.46 (–0.43, 3.34)	3.40 (1.21, 5.59)	P=0.0026



^aIn the general population, mean FACIT-Fatigue score reported in the literature was 43.6.²¹ ^bAnchor-based analysis was conducted to define the threshold of FACIT-Fatigue score change associated with a meaningful change. A change of ≥4.5 points was considered clinically meaningful for a patient. FACIT-Fatigue, Functional Assessment of Chronic Illness Therapy–Fatigue Scale; Hb, hemoglobin; HbH, hemoglobin H; LSM, least-squares mean; MWPC, meaningful within-person change. 21. Cella D et al. *Cancer* 2002;94:528–38.

Figure 4. LSM (95% CI) of change from baseline in FACIT-Fatigue score over the 24-week double-blind period



Results

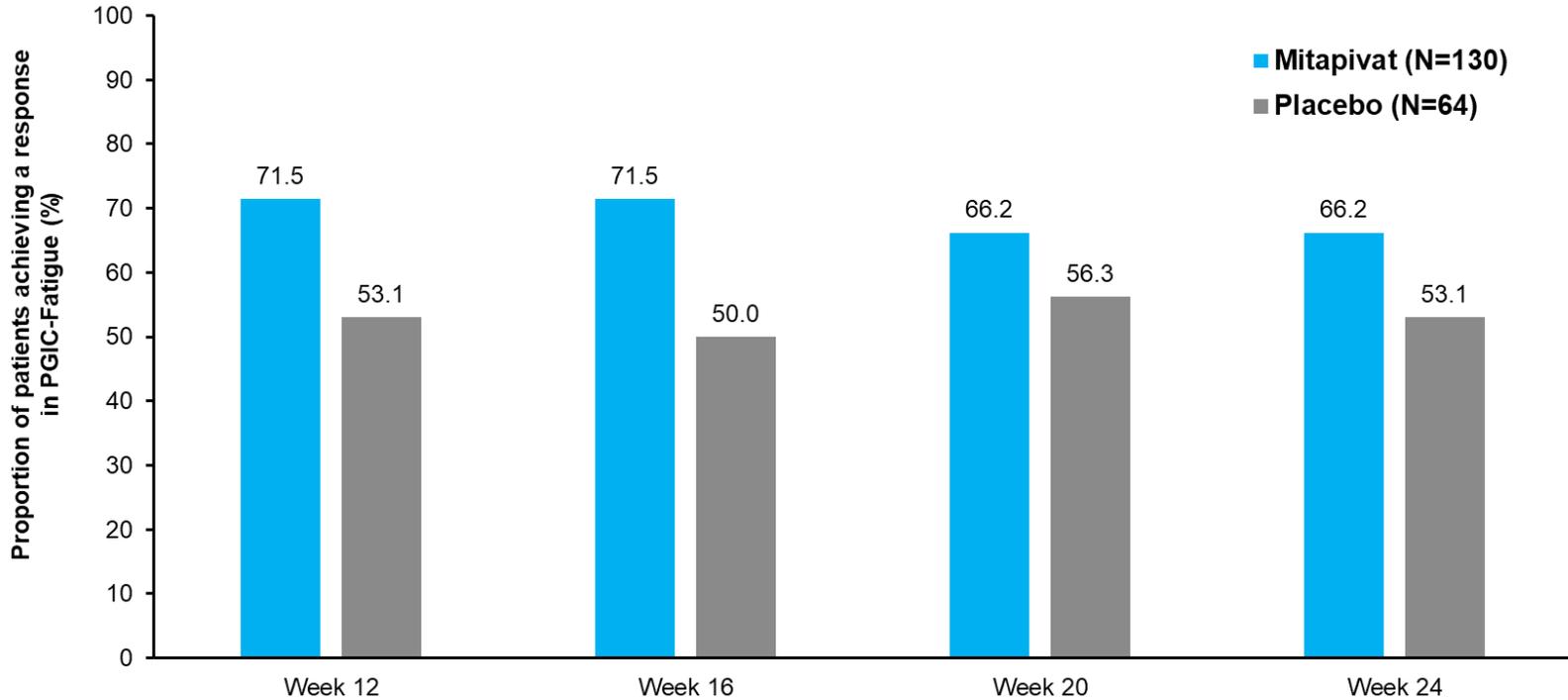
6MWT

- In healthy individuals aged 20–50 years (a similar age range to the ENERGIZE cohort), mean (\pm SD) 6MWT distances reported in the literature are 593 ± 57 m for females and 638 ± 44 m for males²²
 - Baseline 6MWT distances in the mitapivat and placebo arms were 422.22 m and 412.43 m, respectively, suggesting this population had reduced walking capacity at baseline compared with the general population (Table 2)
- Patients in the mitapivat arm had greater improvements in the 6MWT than those in the placebo arm at Week 24 (**Table 2**)
 - LSM change from baseline to Week 24 was 30.48 m in the mitapivat arm and 7.11 m in the placebo arm, with an LSM difference of 23.36 m between treatment arms; this exceeded the literature-reported MCID threshold of ≥ 20 m¹⁸

Table 2. LSM change from baseline to Week 24 for 6MWT distance

	Mitapivat (N=130)	Placebo (N=64)	LSM difference	Literature-reported MCID threshold ^a
6MWT distance at baseline, mean, m	422.22	412.43	–	–
6MWT distance, LSM change from baseline to Week 24 (95% CI), m ^b	30.48 (19.31, 41.64)	7.11 (–7.39, 21.62)	23.36 (6.90, 39.83)	≥ 20

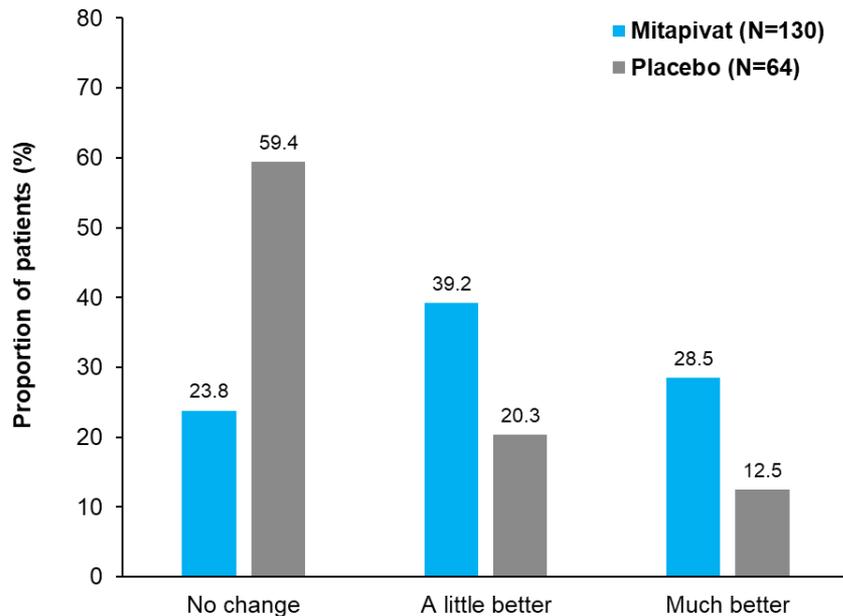
Figure 5. PGIC-Fatigue response by visit^a



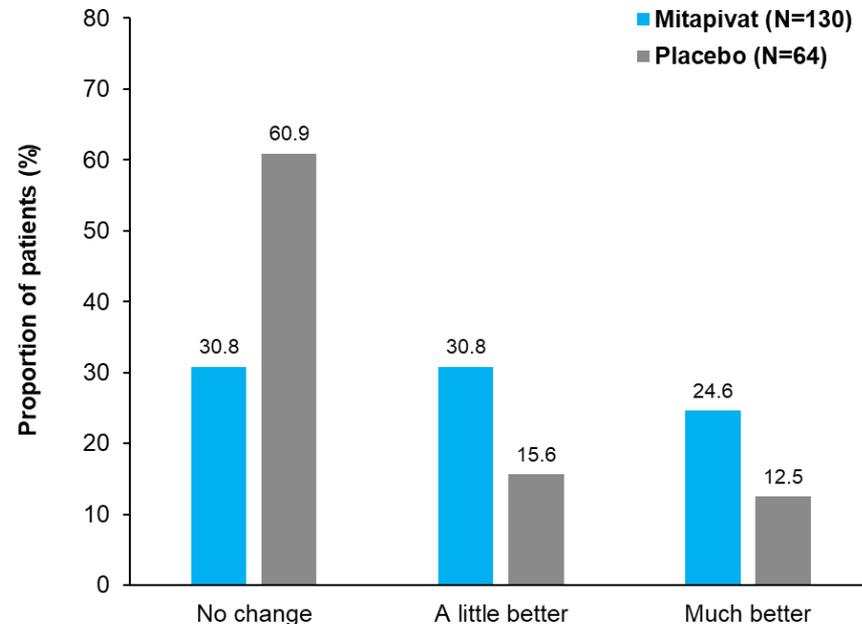
^a A patient was considered to have achieved a response at each visit if their baseline PGIS and corresponding PGIC met 1 of the following conditions: if the PGIS at baseline was "None" or "Mild," and PGIC at the visit was "No Change," "A Little Better," or "Much Better"; if the PGIS at baseline was "Moderate" or "Severe," and PGIC at the visit was "A Little Better" or "Much Better." ^b Statistical significance of PGIC-Fatigue score vs baseline was not calculated as part of the study analysis. PGIC, Patient Global Impression of Change; PGIS, Patient Global Impression of Severity

Figure 6. PGIC-Thalassemia Symptoms (A) and PGIC-Walking Capacity (B) at Week 24

A. PGIC-Thalassemia Symptoms^a



B. PGIC-Walking Capacity^a



^aData for the PGIC categories "A Little Worse," "Much Worse," and "Missing" are not shown on this chart owing to low reporting rates
PGIC, Patient Global Impression of Change

Conclusions

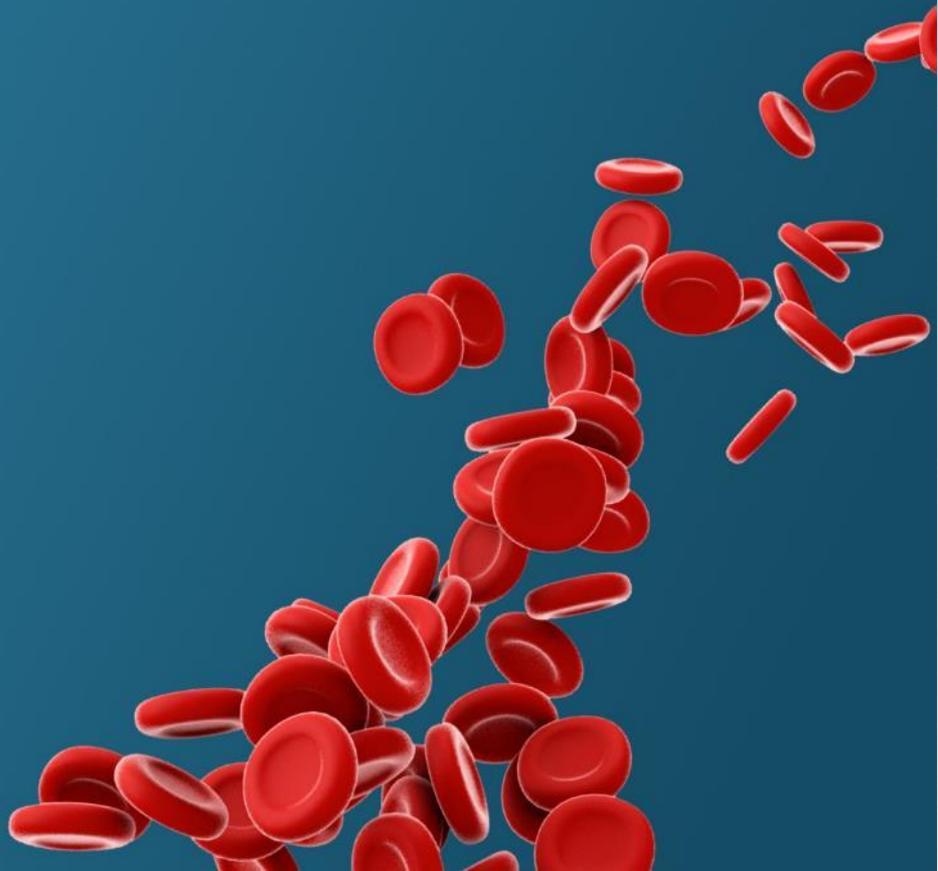
- In the 24-week double-blind period of ENERGIZE, significant improvements in fatigue, measured by FACIT-Fatigue, were demonstrated in the mitapivat arm compared with the placebo arm
 - A higher proportion of patients reported clinically meaningful improvements with mitapivat vs placebo
- Functional improvement in patients with mitapivat, measured by the 6MWT, exceeded a previously reported meaningful change threshold from the literature¹⁸
- A higher proportion of patients with mitapivat reported improved fatigue, disease symptoms, and walking capacity via PGIC with mitapivat vs placebo

Mitapivat is the first oral, disease-modifying, investigational therapy to improve fatigue and walking capacity in patients with α - or β -NTDT



Closing Remarks

Brian Goff
Chief Executive Officer



PYRUKYND® expansion into diseases with larger patient populations provides significant near-term growth potential for first- and best-in-class therapies



3-8K patients
in the U.S./EU5

PK deficiency **2022**

Approved for adults in the U.S., EU and Great Britain

OUR GOAL
Deliver the first
approved therapy for
pediatric PK deficiency

18-23K patients
in the U.S./EU5

~70K patients in GCC

>1M patients worldwide

Thalassemia **2025**

Potential U.S. approval

OUR GOAL
Deliver the first therapy
approved for all thalassemia
subtypes

120-135K patients
in the U.S./EU5

~150K patients
in GCC

>3M patients
worldwide

Sickle cell disease **2026**

Potential U.S. approval

OUR GOAL
Deliver a novel oral therapy
that improves anemia and
reduces VOCs



Planning single regulatory filing incorporating data from ENERGIZE and ENERGIZE-T

ENERGIZE data readout January 3, 2024



ENERGIZE-T data readout June 3, 2024



Anticipated filing encompassing data from ENERGIZE and ENERGIZE-T by year-end 2024

Seeking broad indication for all thalassemia patients

Potential FDA approval in 2025



Strong beginning to 2024 with two positive Phase 3 readouts in thalassemia; three additional Phase 3 readouts expected by the end of 2025

2024



Thalassemia
PYRUKYND[®]

Phase 3 ENERGIZE readout



Thalassemia
PYRUKYND[®]

Phase 3 ENERGIZE-T readout

Pediatric PK Deficiency
PYRUKYND[®]

Phase 3 ACTIVATE kids-T readout

2025

Sickle Cell Disease
PYRUKYND[®]

Phase 3 RISE UP readout

Thalassemia
PYRUKYND[®]

Potential approval

Pediatric PK Deficiency
PYRUKYND[®]

Phase 3 ACTIVATE kids readout

2026

Sickle Cell Disease
PYRUKYND[®]

Potential approval

Pediatric PK Deficiency
PYRUKYND[®]

Potential approval



Well-positioned with multiple near-term catalysts to enter multi-billion-dollar markets and deliver significant value

PKa franchise with multi-billion-dollar potential

Large opportunities with substantial value - potential for two additional **first and best-in-class** indications for PYRUKYND® by 2026

Differentiated mechanism of action

Clearly differentiated PK activation franchise targeting red blood cell health **beyond hemoglobin** increase

Increasing probability of success

Proven track record supported by **compelling and consistent data** to date

Growing pipeline

Diversified pipeline addressing the underlying pathophysiology of **rare diseases with high unmet need**

- **Announced \$905 million purchase agreement for vorasidenib royalty on May 28, 2024***
 - **Retains rights to \$200 million milestone payment from Servier upon FDA approval of vorasidenib**
 - **\$714.3M in cash and equivalents as of March 31, 2024**





Q&A

