

Initial Results of Zovegalisib (RLY-2608), a Mutant-Selective PI3K α Inhibitor in Adult and Adolescent Patients with *PIK3CA*-Driven Vascular Malformations

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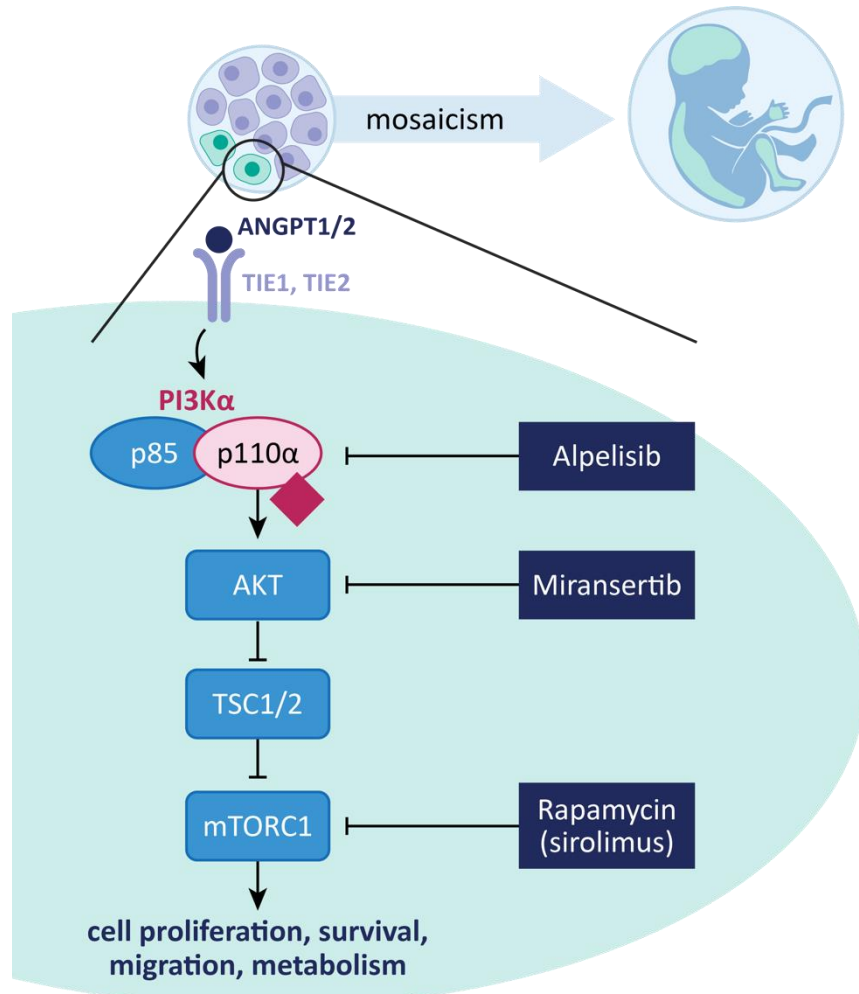
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Disclosure slide

Dr. Sisk is a consultant for Relay Therapeutics, Novartis, Kaken Pharmaceuticals, Palvella Therapeutics, Palinos Therapeutics, and VasqueBio.



Slow-Flow Vascular Malformations are Highly Symptomatic Diseases Driven by Somatic Mosaic *PIK3CA* Mutations



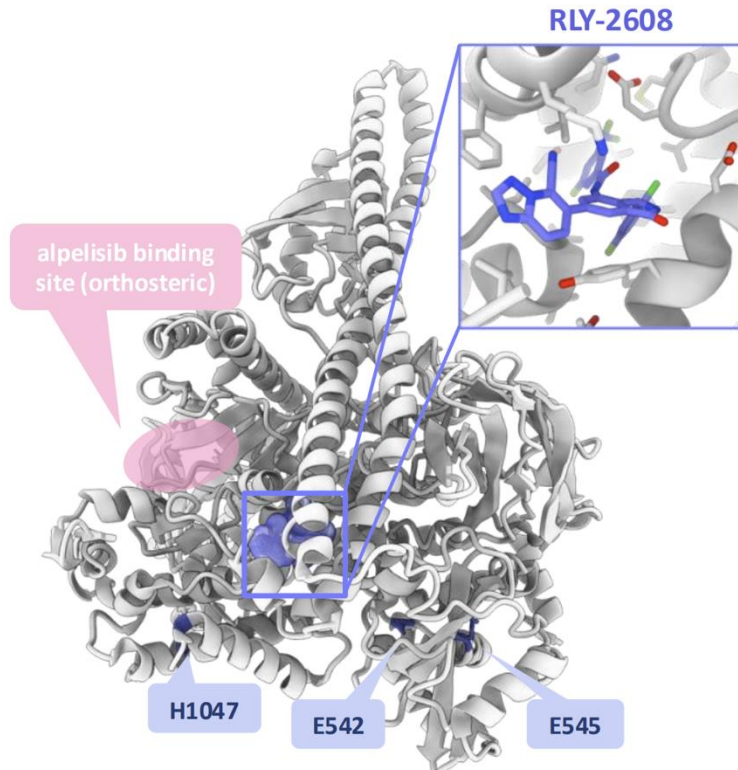
Adapted from Petkova et al, J Clin Invest 2024.

- Isolated and syndromic slow-flow vascular malformations, such as LMs and PROS, are driven by somatic mosaic *PIK3CA* mutations
- Non-mutant selective PI3Kα pathway inhibitors can have dose limiting toxicities including **hyperglycemia, rash, stomatitis¹** and **growth retardation²**
- Alpelisib has US accelerated approval based on RWD with a **27% volumetric response rate (RR)³**
- Though better tolerated, a starting dose of **125 mg** showed a RR of only **16.7%** in the prospective EPIK-P2 study⁴

LM: Lymphatic Malformation, PROS: PIK3CA-related overgrowth spectrum, RWD: Real-World Data

1. Vioje USPI, 2. Triana et al. JoVA 2025, 3. Adult RR and dose, 4. Adult data from Canaud, López-Gutiérrez, Hammill et al. ASPHO 2025

Zovegalisib (RLY-2608) is a Novel, Oral, Allosteric Mutant-Selective PI3K α Inhibitor

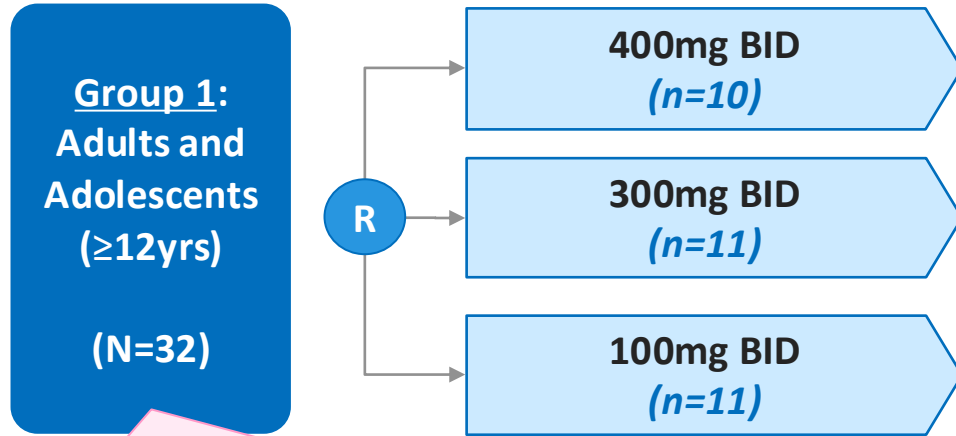


- **Zovegalisib (RLY-2608)** is a novel, **pan-mutant-selective PI3K α inhibitor** that binds an allosteric pocket in activated PI3K α
- Zovegalisib has demonstrated **8-12 fold selectivity** for PI3K α helical and kinase mutants over wildtype PI3K α ¹
- Zovegalisib has demonstrated **greater lesion regression** and **less insulin induction** compared to alpelisib in vivo xenograft and genetic vascular malformation models (See presentation #404, **Graupera et al. ISSVA 2026** on Friday, 22 May)
- Zovegalisib has **FDA Breakthrough Therapy Designation** in HR+ HER2- breast cancer and is currently in pivotal Phase 3 development

1. Varkaris et al. Cancer Dis 2024

ReInspire: a Phase 2 Trial of Zovegalisib in Pediatric and Adult Patients with PIK3CA-driven Vascular Malformations

Part 1: Dose Selection (Data shown today)



- In **Part 1 Group 1** patients ≥12 yo were **randomized to 3 biologically active doses** up to the **oncology dose of 400mg BID**
- Intended to explore a **broad range** of safety and efficacy and **identify dose(s)** to expand for further exploration in Part 2

Part 2: Dose Expansion

- Expansion cohorts opened at:
- 300mg BID
 - 400mg QD

Adults & Adolescents cohort initiated Q1 2025;
Pediatrics (6-11 y/o) cohort opened Q1 2026

Key Inclusion Criteria

- Clinical diagnosis of PROS or a malformation within the ISSVA classification
- Activating *PIK3CA* mutation by local assessment
- Severe, symptomatic, and/or progressive disease
- ≥ 1 target lesion amenable to volumetric assessment

Key Study Endpoints

- Safety, tolerability, RP2D selection per group
- Efficacy: 20% reduction in target lesion volume by BICR
- Changes in reported clinical outcome assessments

BICR: Blinded Independent Central Review; RP2D: Recommended Phase 2 Dose; PROS: PIK3CA-related overgrowth spectrum

ReInspire preliminary data as of 4/15/2026

Zovegalisib – ReInspire Trial Demographics (Part 1, Group 1)

	Total (N=32)	100mg BID (N=11)	300mg BID (N=11)	400mg BID (N=10)
Age (years), median (range)	24.5 (12, 63)	31 (13, 50)	24 (13, 54)	19.5 (12, 63)
12-17 / ≥18, n (%)	10 (31) / 22 (69)	4 (36) / 7 (64)	2 (18) / 9 (82)	4 (40) / 6 (60)
Sex, M/F, n (%)	14 (44) / 18 (56)	6 (55) / 5 (45)	5 (45) / 6 (55)	3 (30) / 7 (70)
Disease Classification, n (%)				
PROS	22 (69)	8 (73)	6 (54)	8 (80)
CLOVES	5 (16)	1 (9)	3 (27)	1 (10)
KTS	10 (31)	4 (36)	2 (18)	4 (40)
Other	7 (22)	3 (27)	1 (9)	3 (30)
LM	8 (25)	3 (27)	4 (36)	1 (10)
VeM	2 (6)	0	1 (9)	1 (10)
Performance Status at Baseline, 50-70/ ≥80¹, n (%)	5 (16) / 27 (84)	2 (18) / 9 (82)	1 (9) / 10 (91)	2 (20) / 8 (80)
Pre-diabetic², n (%)	8 (25)	1 (9)	6 (55)	1 (10)
Local PIK3CA Status at Baseline, n (%)				
Kinase mutation	10 (31)	4 (36)	4 (36)	2 (20)
Non-Kinase mutation	16 (50)	4 (36)	6 (55)	6 (60)
No mutation documented	6 (19)	3 (27)	1 (9)	2 (20)
Prior disease-related systemic treatment, median	1	1	2	1
None, n (%)	9 (28)	3 (27)	3 (27)	3 (30)
Prior alpelisib / sirolimus, n (%)	23 (72)	8 (73)	8 (73)	7 (70)
Prior disease-related surgery, n (%)	19 (59)	5 (45)	6 (55)	8 (80)
Prior catheter-based procedures, n (%)	18 (56)	6 (55)	8 (73)	4 (40)

1. Lansky performance status for patients <16 years old or Karnofsky performance status for patients ≥16 years old; 2. Baseline HbA1c ≥5.7, glucose ≥100, or medical history of pre-diabetes mellitus

ReInspire preliminary data as of 04/15/2026



Zovegalisib – 60% Volumetric Response Rate by BICR Across All Doses

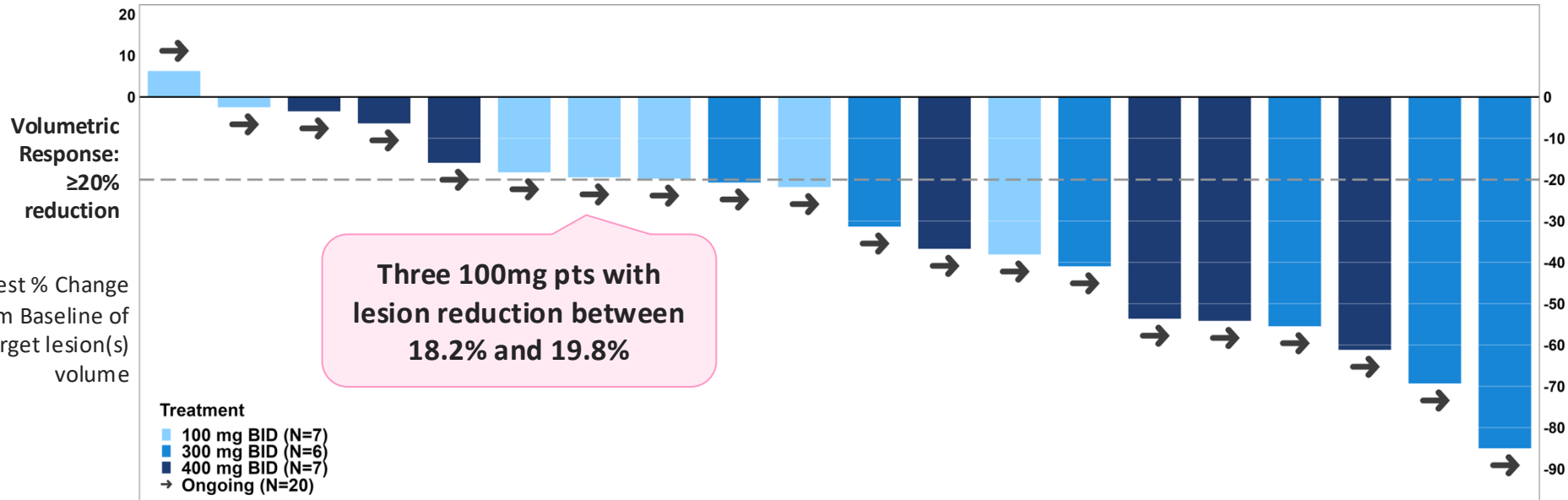
Volumetric Response Rate (VRR)¹

Overall: 60% (12/20)

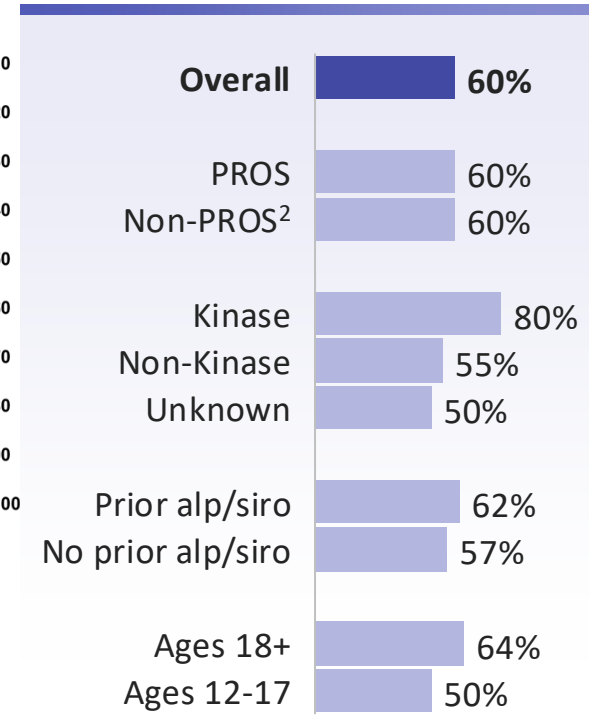
100mg BID
29% (2/7)

300mg BID
100% (6/6)

400mg BID
57% (4/7)



Consistent benefit across subgroups

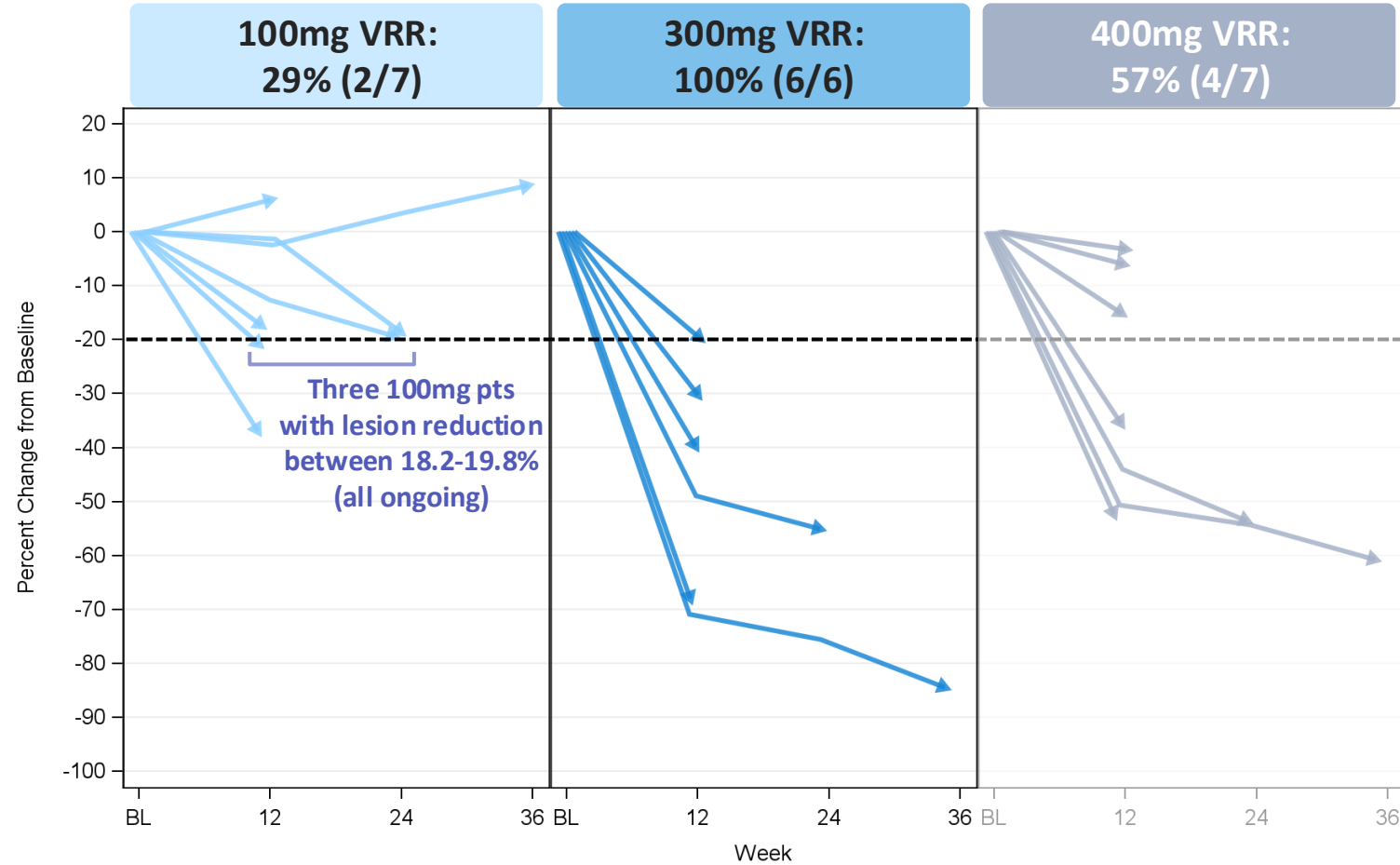


Subtype	LM	PROS	VeM	PROS	PROS	PROS	PROS	PROS	PROS	PROS	LM	PROS	PROS	PROS	PROS	PROS	PROS	PROS	LM	LM	
PROS subtype		KTS		FAO	KTS	FAO	FAVA	KTS	CLOVES	CLOVES		KTS	KTS	KTS	CLOVES	FAVA	CLOVES	KTS			
PIK3CA mutation	NK	NK	NK	NK	Unk	K	Unk	NK	NK	K	NK	Unk	K	NK	K	NK	NK	NK	K	Unk	
Prior alp/siro	S	A + S	S	—	A + S	—	A + S	—	i	A	A + S	—	—	—	A + S	A + S	A + S	S	—	S	
BL volume (L)	0.4	5.4	0.5	0.9	1.2	0.4	0.8	18.0	3.4	0.9	0.2	2.7	0.4	1.0	1.2	0.1	0.2	0.3	0.1	0.1	
%CFB	W12	6.3	-2.5	-3.5	-6.4	-15.9	-18.2	-1.4	-12.7	-20.7	-21.8	-31.4	-36.7	-38.1	-41.0	-53.7	-44.1	-49.0	-50.7	-69.3	-70.9
	W24		3.5					-19.5	-19.8								-54.2	-55.5	-54.4		-75.6
	W36		8.9																-61.2		-85.0
	BOR	SD	SD	SD	SD	SD	SD	SD	SD	uVR	uVR	uVR	uVR	uVR	uVR	uVR	uVR	uVR	uVR	uVR	cVR

1. Includes both confirmed and unconfirmed responses; Volumetric Response (VR) = 20% or greater reduction in target lesion volume by blinded independent central review (BICR); cVR = Confirmed Volumetric Response (VR with 2nd scan to confirm response), uVR = Unconfirmed Volumetric Response (VR without confirmatory scan), SD = Stable Disease; 2. Non-PROS includes lymphatic malformation and venous malformation.

Relinspire preliminary data as of 04/15/2026

Zovegalisib - Volumetric Response Over Time (BICR)



Overall VRR¹: 60% (12/20)

All patients ongoing

Reductions generally deepened over time at all doses

1. Includes both confirmed and unconfirmed responses

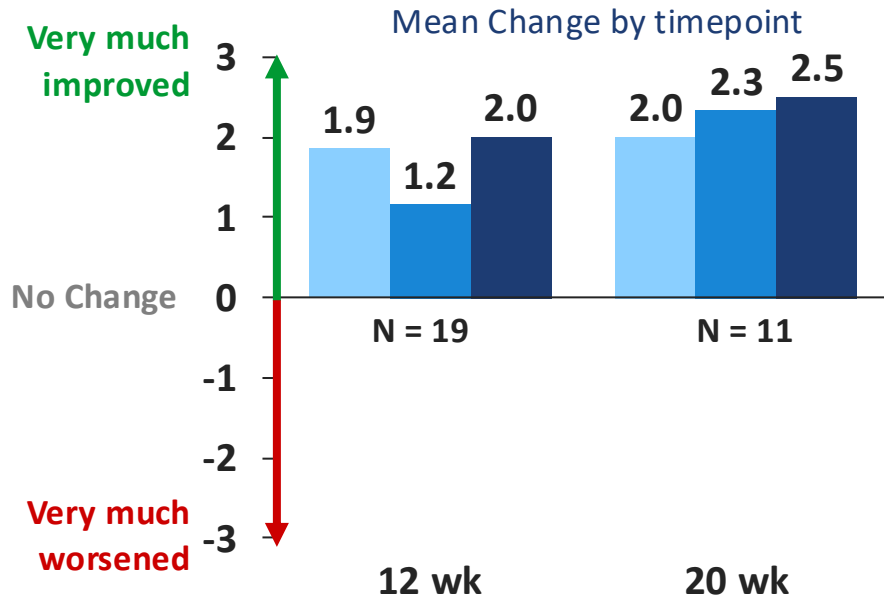
ReInspire preliminary data as of 04/15/2026



Zovegalisib Efficacy Data – Clear Symptomatic Benefit

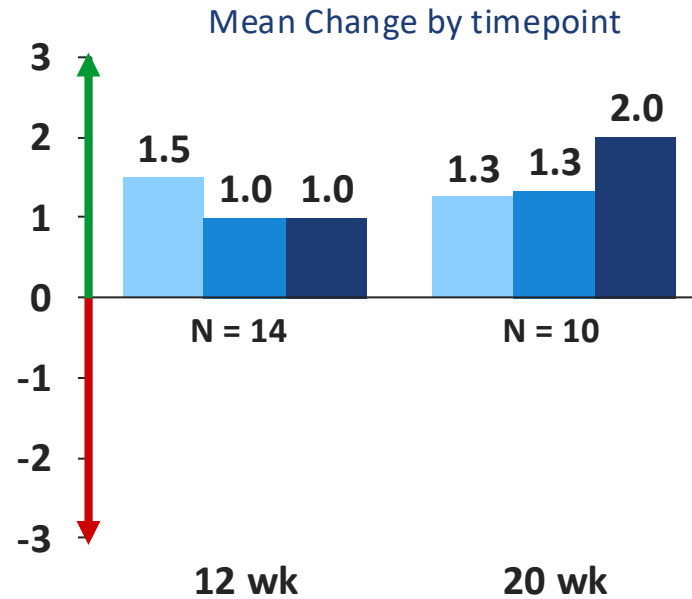
Investigator-Reported (IGIC)

89%
of patients improved by week 12



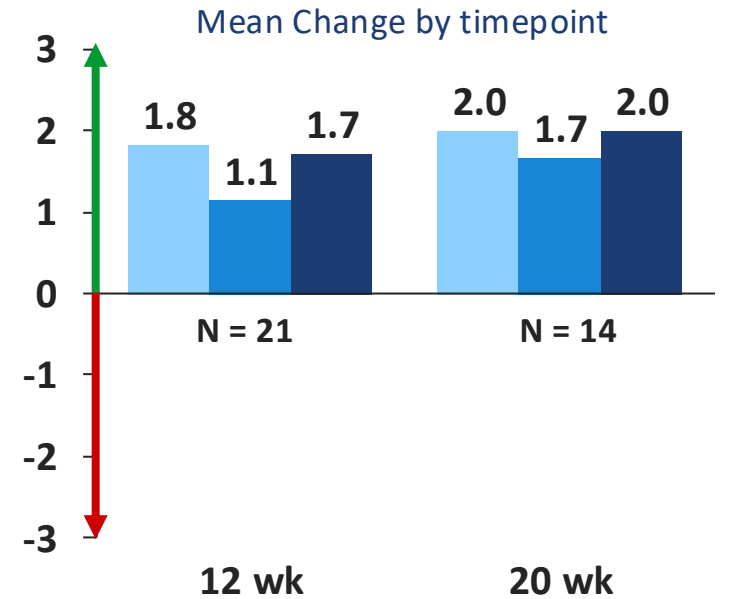
Patient-Reported (PGIC)

79%
of patients improved by week 12



Pain (IADRSS)

71%
of pain symptoms improved by week 12



100mg BID 300mg BID 400mg BID

IGIC = Investigator Global Impression of Change, PGIC = Patient Global Impression of Change, IADRSS = Investigator Assessment of Disease-Related Signs and Symptoms.

Note: N for IGIC and PGIC is number of patients; N for IADRSS pain is number of most bothersome pain symptoms, where some patients may have more than one pain symptom.

Relinspire preliminary data as of 04/15/2026

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Zovegalisib – Treatment-Related Adverse Events ≥15% of Patients

No discontinuations for any reason

		100mg BID (N=11)				300mg BID (N=11)				100mg+300mg BID (N=22)				400mg BID (N=10)			
		All Gr	Gr1	Gr2	Gr3+	All Gr	Gr1	Gr2	Gr3+	All Gr	Gr1	Gr2	Gr3+	All Gr	Gr1	Gr2	Gr3+
TRAE ≥15%	Any TRAE	82%	36%	45%	-	91%	55%	18%	18%	86%	45%	32%	9%	90%	20%	50%	20%
	Headache	18%	18%	-	-	73%	73%	-	-	45%	45%	-	-	50%	30%	20%	-
	Fatigue	18%	9%	9%	-	55%	36%	18%	-	36%	23%	14%	-	20%	10%	10%	-
	Nausea	27%	18%	9%	-	45%	36%	9%	-	36%	27%	9%	-	70%	40%	30%	-
	Diarrhea	27%	27%	-	-	18%	18%	-	-	23%	23%	-	-	10%	-	10%	-
	Hyperglycemia	-	-	-	-	45%	18%	27%	-	23%	9%	14%	-	40%	20%	10%	10%
Other select TRAE	Decreased appetite	18%	9%	9%	-	18%	9%	9%	-	18%	9%	9%	-	20%	10%	10%	-
	Rash	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-
	Stomatitis	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-	-

Majority of hyperglycemia observed in patients prediabetic at baseline¹

No Grade 3 hyperglycemia

Median Relative Dose Intensity	100%
Dose Reduction due to TRAE, n (%)	1 (9%) ²

Median Relative Dose Intensity	99%
Dose Reduction due to TRAE, n (%)	4 (36%)

Median Relative Dose Intensity	99%
Dose Reduction due to TRAE, n (%)	5 (23%)

Median Relative Dose Intensity	77%
Dose Reduction due to TRAE, n (%)	7 (70%)

1. Baseline HbA1c ≥5.7, glucose ≥100, or medical history of pre-diabetes mellitus; 2. Patient later increased back up to original dose of 100mg BID

Part 1 Group 1 of ReInspire: Conclusions

- Zovegalisib (RLY-2608) is the **first known mutant-selective PI3K α inhibitor** studied in patients with vascular anomalies
- Across all doses, investigators assessed average overall symptoms to be between **much and very much improved** at 20 weeks **with 60% achieving volumetric response**, regardless of PIK3CA mutation status, diagnosis or prior therapy
- The lowest dose of **100mg BID** was generally well tolerated with no hyperglycemia, and investigators assessed mean overall symptom improvement to be **much improved** at 20 weeks **with 29% volumetric response**
- At the dose of **300mg BID**, zovegalisib achieved **100% volumetric response** with a manageable adverse event (AE) profile
- AEs were generally dose-dependent, low grade, reversible, with no treatment-related SAEs, with all patients remaining on treatment
- **Expansion cohorts have begun enrollment at 400mg QD and 300mg BID in patients 12 and older (Part 2, Group 1)**
- **Weight-based dose escalation is ongoing in patients 6 to 11 years old (Part 1, Group 2)**

ReInspire preliminary data as of 04/15/2026

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Acknowledgments

We would like to thank the patients and their families and caregivers, study investigators, sub-investigators, and research staff.

ReInspire: A Phase 2 Study of Mutant-selective PI3K α Inhibitor, RLY-2608, in Adults and Children with PIK3CA Related Overgrowth Spectrum (PROS) and Malformations Driven by *PIK3CA* Mutation

The Phase 2 ReInspire Trial is a global trial evaluating RLY-2608 in children (>2yr old), adolescents and adults with PIK3CA-related Overgrowth Spectrum and *PIK3CA*-mutated Vascular Malformations.

<https://clinicaltrials.gov/study/NCT06789913>



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