

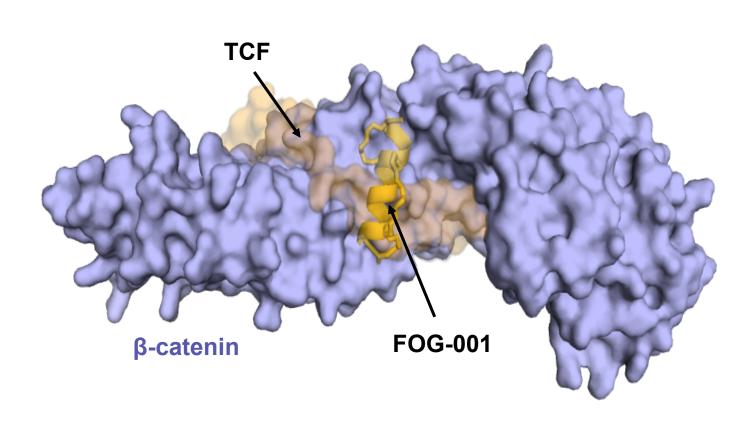
A phase 1/2 trial of FOG-001, a first-in-class direct β-catenin:TCF inhibitor – Safety and preliminary antitumor activity in patients with adamantinomatous craniopharyngioma

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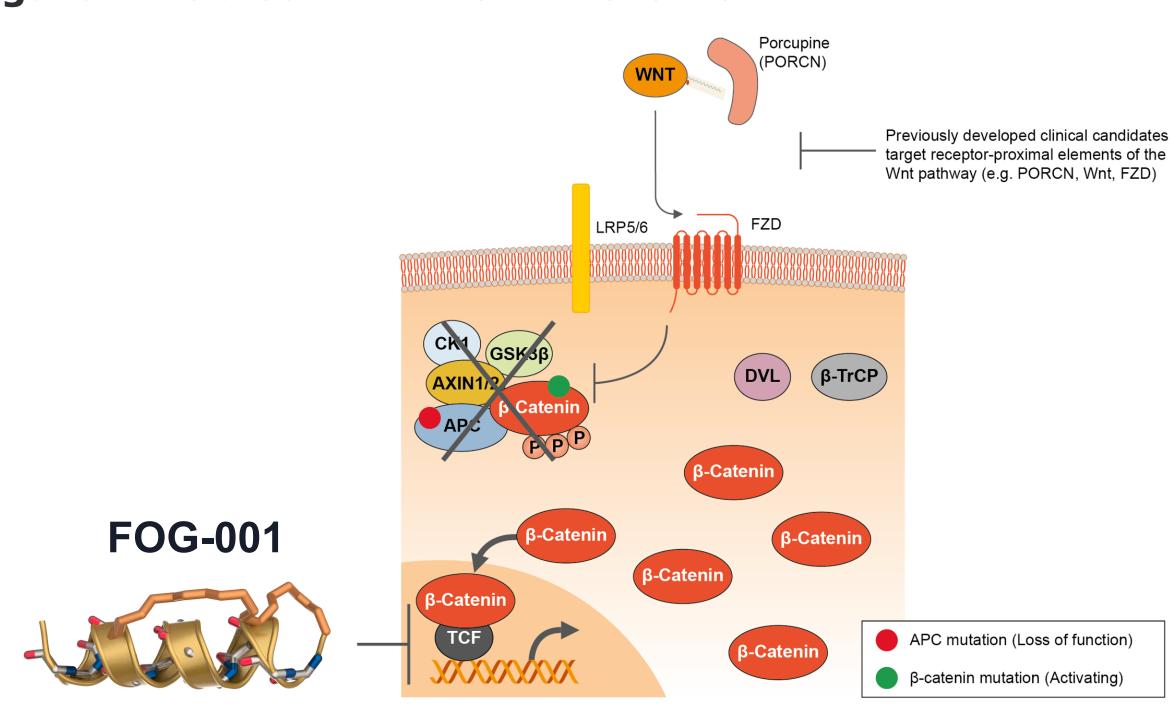
Background

Figure 1. FOG-001 – A novel β-catenin:TCF inhibitor



- Adamantinomatous craniopharyngiomas (ACPs) are rare brain tumors that most often arise in the suprasellar region and are associated with substantial morbidity.
- There are no approved systemic therapies and both surgical and radiation treatments are often complex and associated with a significant risk of complications.
- ACPs are almost always associated with mutations in the CTNNB1 gene leading to abnormal activation of the Wnt/ β -catenin signaling pathway.^{1,2}
- As of the data cut-off (11-Aug-2025), a total of 3 patients with ACP have been enrolled across FOG-001 dose levels 3 and 5.

Figure 2. FOG-001 – mechanism of action



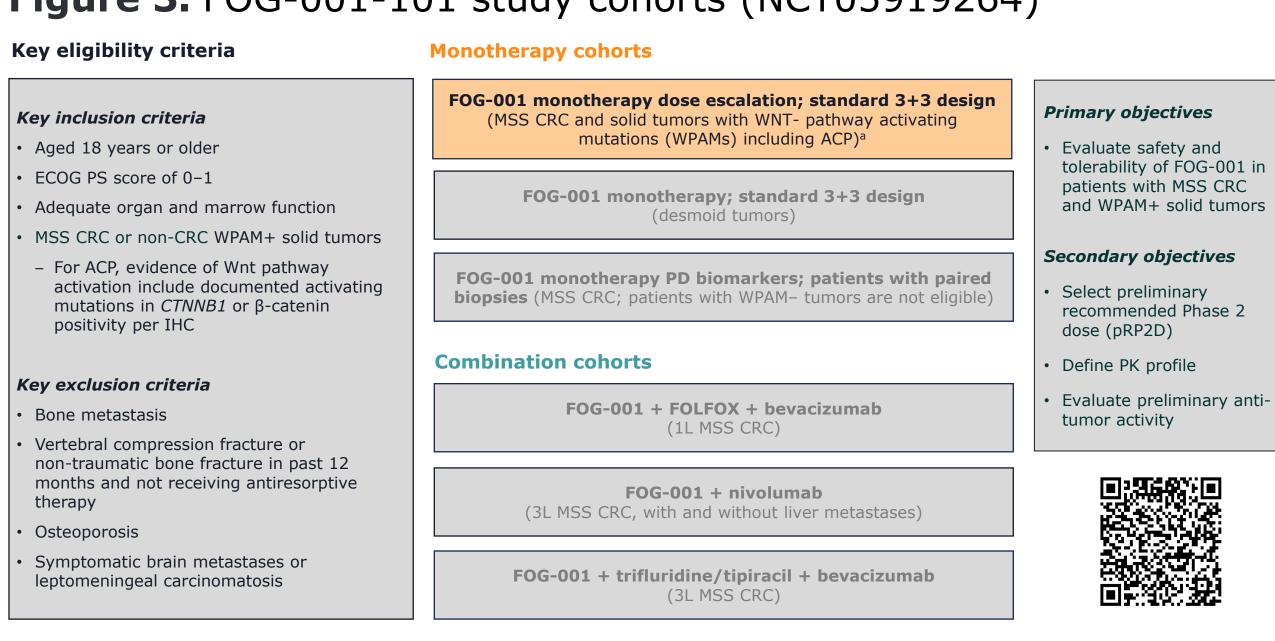
- FOG-001 is a first-in-class and only direct inhibitor of β-catenin that competitively inhibits the interaction between β-catenin and the T-cell factor (TCF) family of transcription factors, the most downstream node in the Wnt/ β -catenin signaling pathway.
- By directly targeting the β-catenin:TCF protein-protein interaction, FOG-001 is downstream of, and thereby targets, virtually all mutations that activate canonical Wnt signaling.
- Preclinical data demonstrate good tolerability of FOG-001 with a clear therapeutic window.

Objectives

 In this poster we present the safety and preliminary efficacy findings from the FOG-001-101 study of FOG-001 in patients with ACP.

Methods

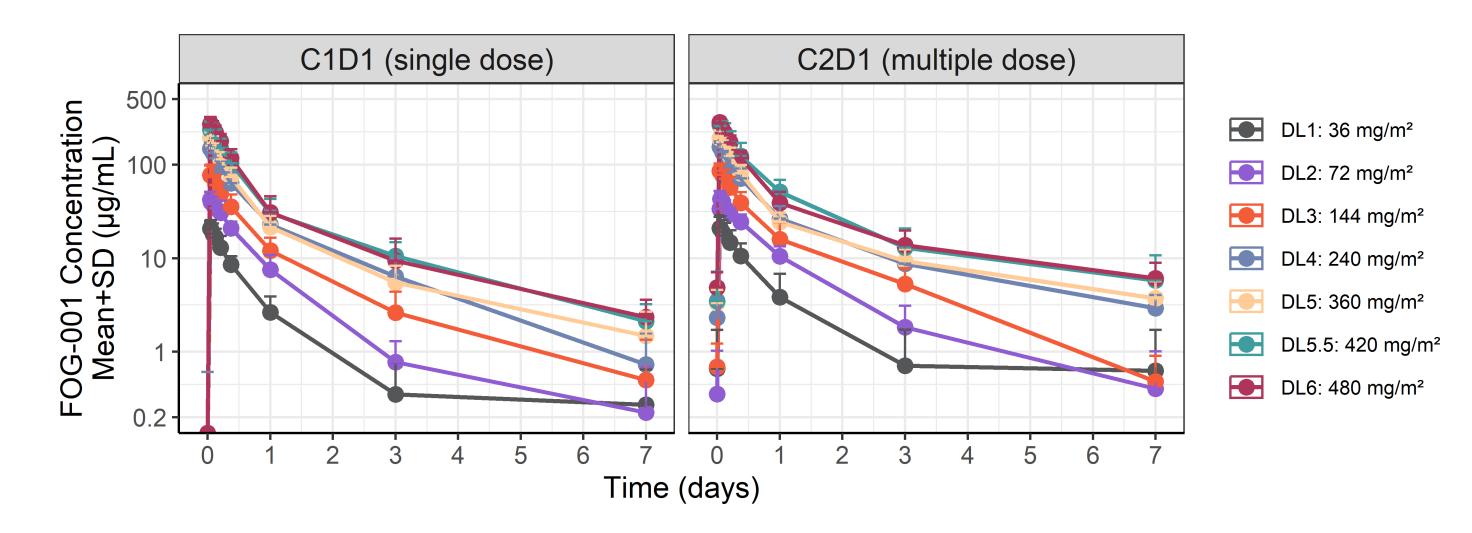
Figure 3. FOG-001-101 study cohorts (NCT05919264)



Please refer to QR code for full eligibility criteria, objectives, and outcomes. Additional planned cohorts not currently enrolling are not shown ^aThis part included dose levels 1 (36 mg/m²) to 6 (480 mg/m²). Patients with ACP have been enrolled at dose levels 3 (144 mg/m²) and 5 (360 mg/m²)

Results

Figure 4. FOG-001 pharmacokinetic characteristics



- FOG-001 has favorable pharmacokinetic characteristics:
- Extensive distribution.
- Dose-proportional exposure.
- Low inter-patient variability.

Baseline characteristics

- As of August 11, 2025, 3 patients with ACP have received FOG-001 monotherapy at doses of 144 mg/m 2 (n=1) and 360 mg/m 2 (n=2).
- Key characteristics:
- All patients are male.
- Median age is 42 years (range 19–62 years).
- All had prior surgery and 1 received radiation.
- All have tumors with evidence of Wnt pathway activation (2 had CTNNB1 mutations and 1 was positive for nuclear β -catenin expression (IHC)).

Efficacy

- Tumor size has decreased in all patients.
- Two patients achieved partial responses (PR) with 56.0% and 48.0% reduction in tumor size.
- One patient has stable disease with a 19.2% decrease in tumor size.

Safety

- The most commonly reported TRAEs were low-grade and reversible.
- The most common TRAE was platelet count decreased (n=2).
- No treatment-related serious adverse events, dose reductions or treatment discontinuations have been reported.

The authors would like to thank all the patients and their families, as well as all the

Medical writing and editorial assistance were provided by Miller Medical

Communications, funded by Parabilis Medicines, Inc.

1. Sekine S, et al. Am J Pathol 2002;161:1997–2001.

2. Brastianos PK, et al. Nat Genet 2014;46:161-5.

investigators, clinical trial researchers, personnel and Parabilis staff who contributed

FOG-001-101 sites open for enrollment

- START San Antonio
- Massachusetts General Cancer Center
- University of Texas MD Anderson

Sarah Cannon Research Institute

- Cancer Center
- Yale School of Medicine
- Memorial Sloan Kettering Cancer Center
- Washington University School of Medicine
- Honor Health

References

University of Minnesota

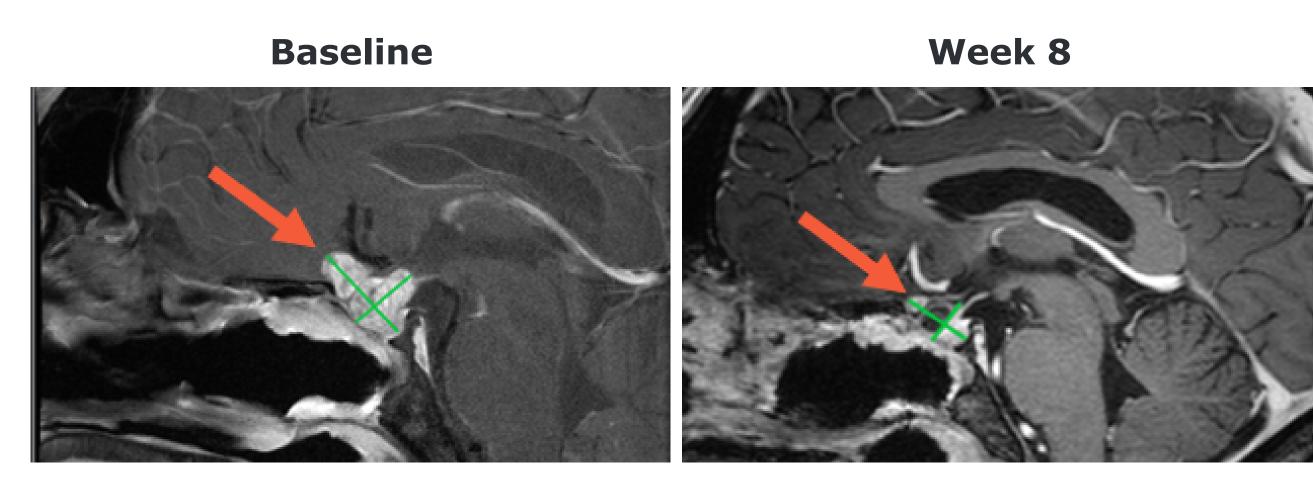
Acknowledgements

to or participated in the trial.

- Oregon Health & Science University
- Stanford Cancer Center
- University of Pittsburgh Hillman Cancer Center
- University of Wisconsin
- Johns Hopkins
- University Hospitals Seidman Cancer Center
- Florida Cancer Specialists
- University of California San Francisco

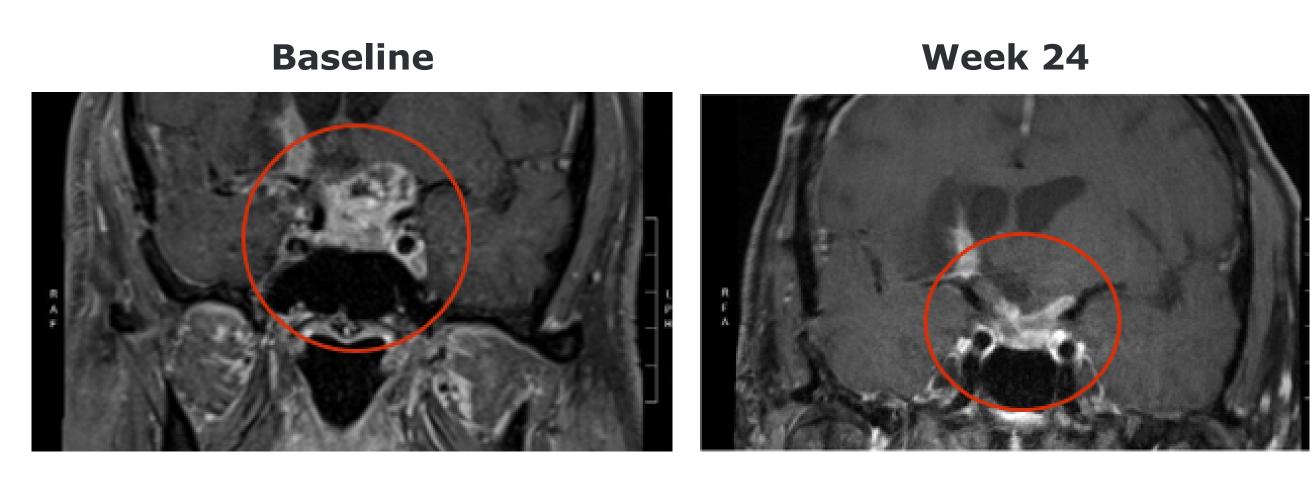
Patient Cases: Tumor reductions seen in all 3 patients with ACP

Figure 5. Patient 1 – Dose Level 5 (360 mg/m²)



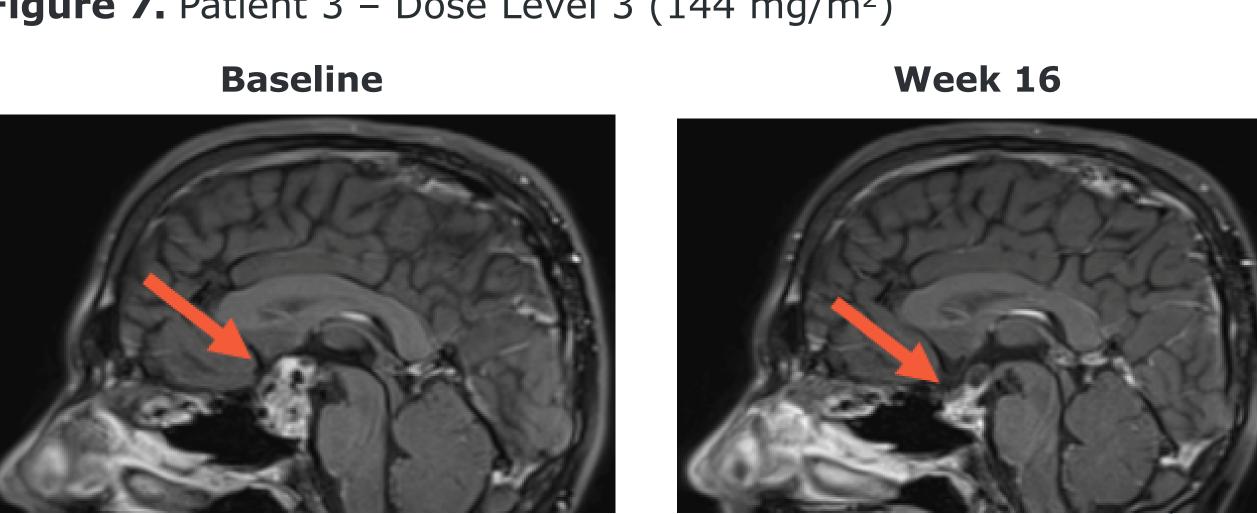
- 42-year-old male diagnosed with ACP in 2021.
- Mass was elevating the optic chiasm, leading to a visual field cut.
- Showed significant tumor reduction at Week 8 (-24%).
- Achieved a PR at Week 16 (-56%).

Figure 6. Patient 2 – Dose Level 5 (360 mg/m²)



- 62-year-old male with ACP symptomatic since 2023, including bi-temporal visual field defects.
- Has maintained stable disease for 48 weeks, with a 19.2% tumor reduction.

Figure 7. Patient 3 – Dose Level 3 (144 mg/m²)



- 19-year-old male with ACP diagnosed in 2019.
- FOG-001 treatment improved headaches and visual field deficits.
- Despite missed doses, maintained a PR (−48%) out to ~1 year.

Conclusions

- FOG-001 is a stabilized Helicon[™] peptide that selectively inhibits the βcatenin/TCF interaction.
- All patients have had tumor size reductions, with two PRs, suggesting that the Wnt/ β -catenin signaling pathway is an actionable target in ACP.
- FOG-001 has a well-managed safety and tolerability profile.
- These findings provide a strong foundation for continued advancement of FOG-001 and highlight its promising potential to meaningfully impact disease by specifically targeting the underlying mechanism through inhibition of Wnt/β-catenin.

Enrollment is currently ongoing: NCT05919264

