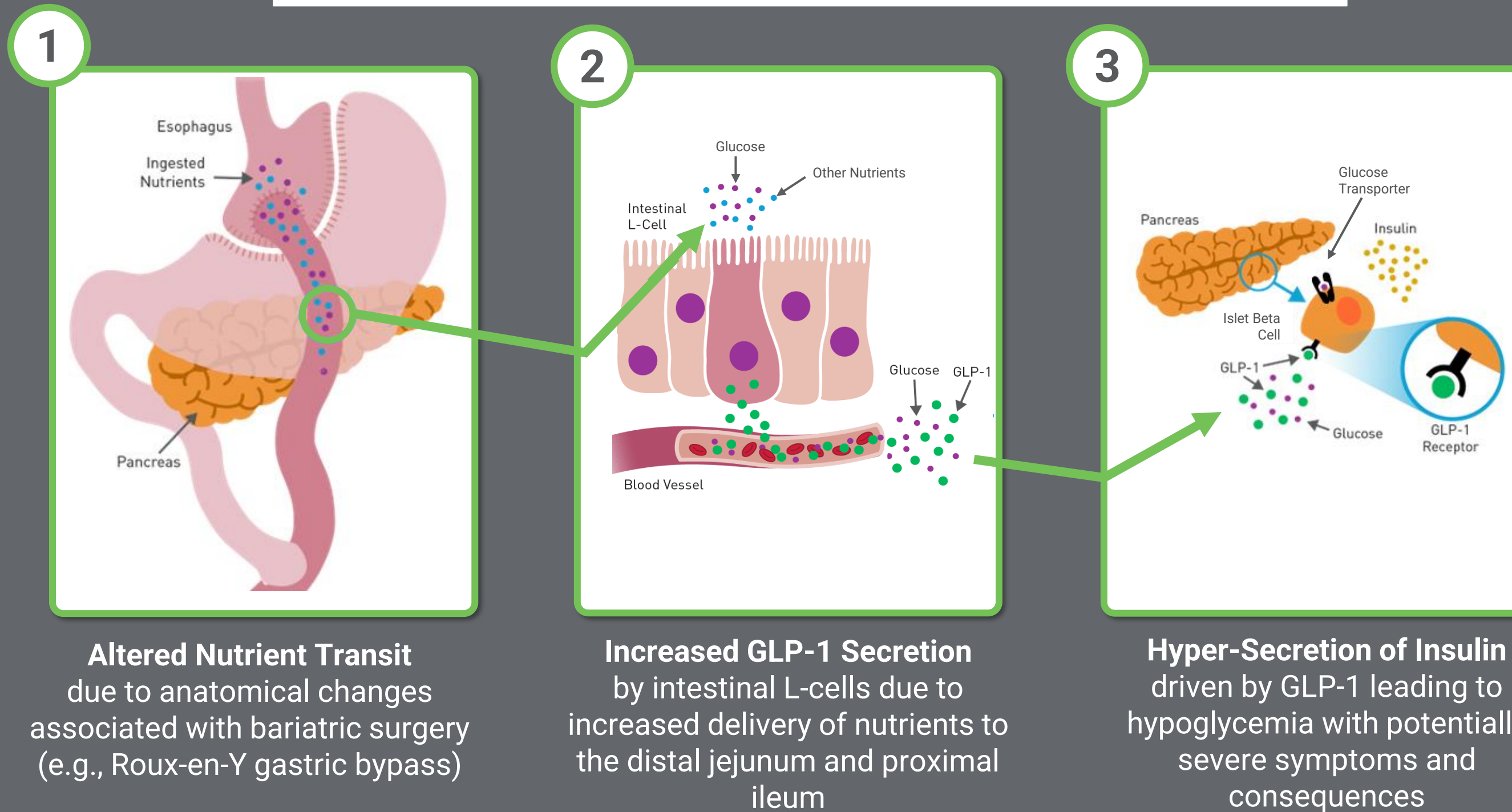


BACKGROUND

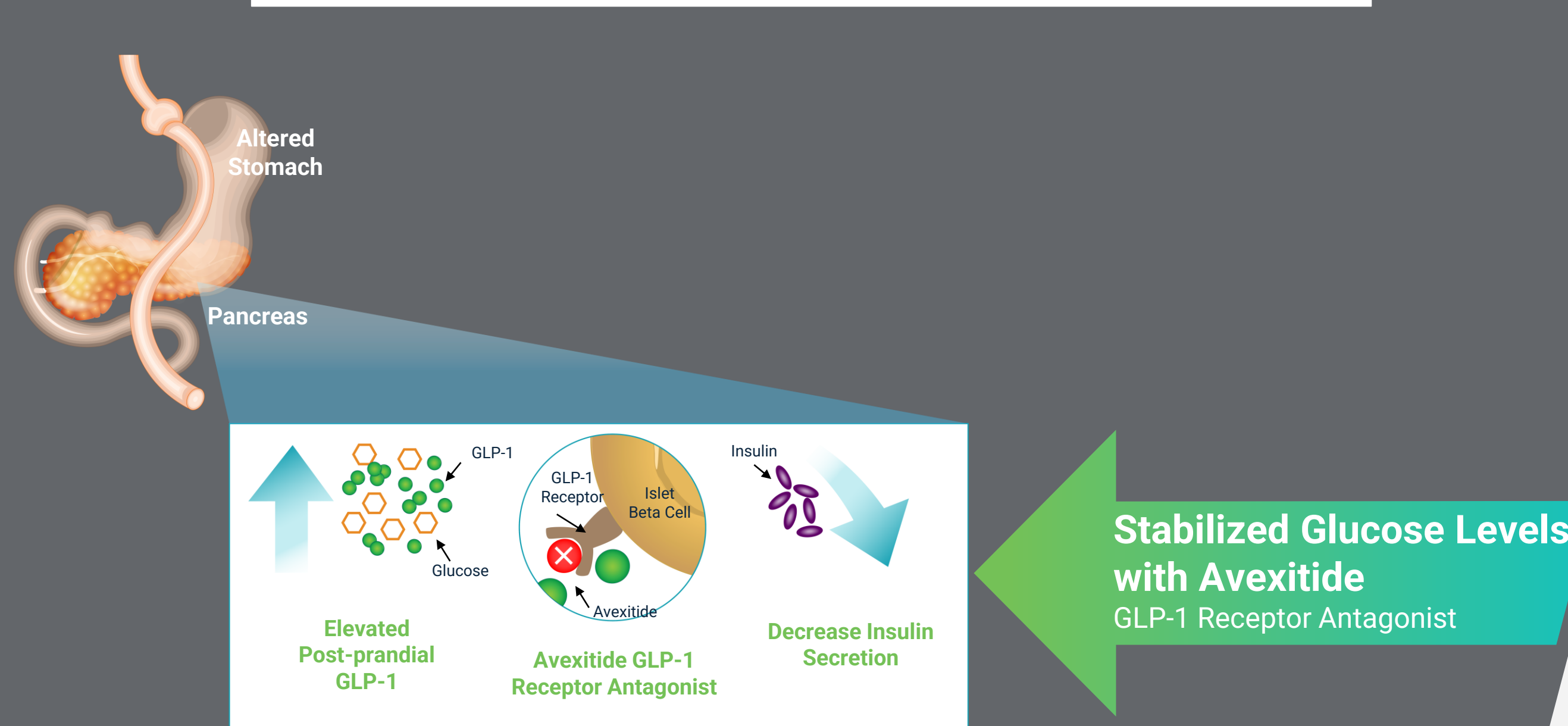
- Post-bariatric hypoglycemia (PBH) is an increasingly recognized and potentially serious complication of bariatric surgery that typically occurs ~1-3 years postoperatively¹
- Increased levels of the incretin gut hormone glucagon-like peptide-1 (GLP-1) due to altered nutrient transit lead to exaggerated postprandial insulin secretion and severe hypoglycemia, typically multiple times daily²

- Physical activity⁴ and stress⁵ may also trigger PBH symptoms
- Currently, there are no treatments approved for PBH
- Avexitide is a first-in-class GLP-1 receptor antagonist designed to competitively inhibit GLP-1-mediated insulin secretion and stabilize glucose levels

Proposed PBH Mechanism of Disease³



Proposed Avexitide Mechanism of Action

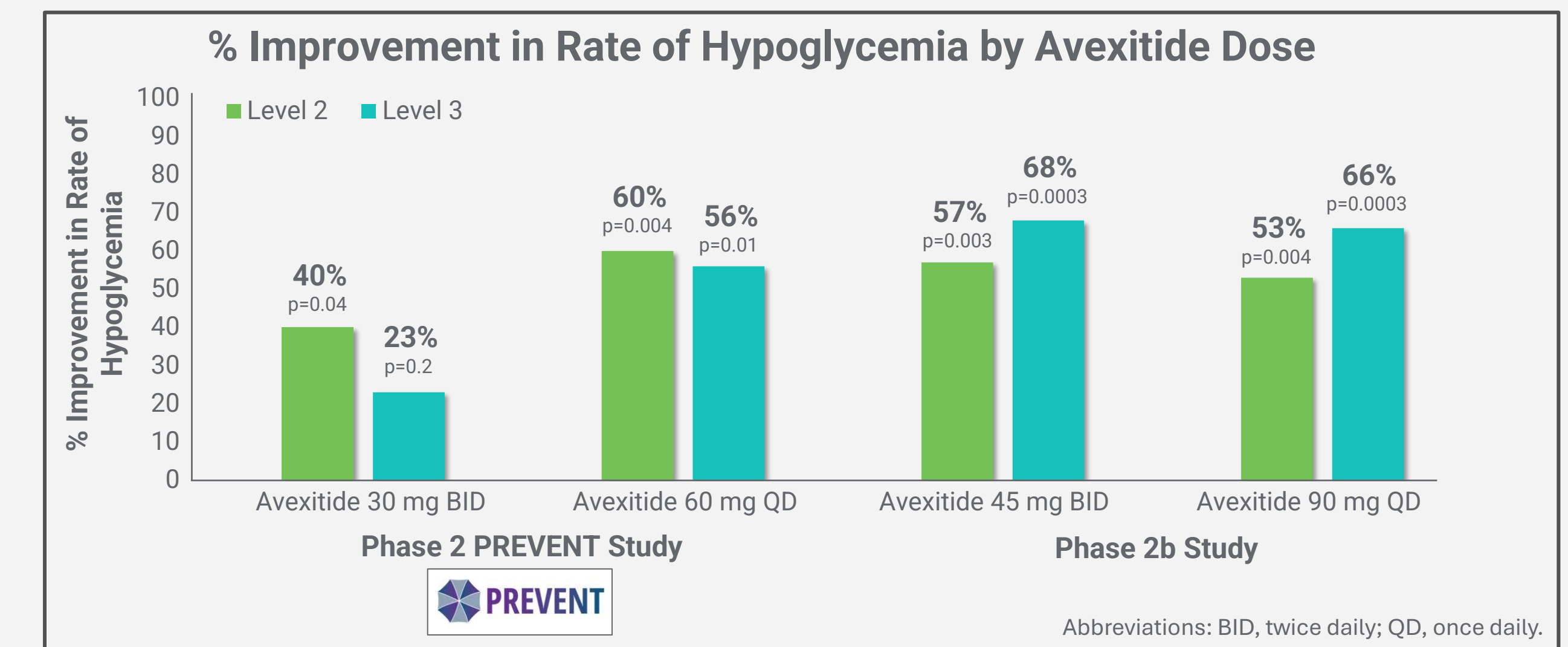


OBJECTIVE

Describe the design of a phase 3 trial assessing avexitide in PBH

AVEXITIDE PHASE 2⁶ & 2b⁷ CLINICAL TRIAL RESULTS

- Avexitide demonstrated statistically significant reductions in hypoglycemic events in phase 2 and 2b clinical trials



- Avexitide was generally well tolerated in both trials
- No clinically relevant increases were observed in fasting and peak postprandial plasma glucose levels

STUDY DESIGN

- LUCIDITY will be a phase 3, randomized, double-blind, placebo-controlled study conducted at approximately 20 U.S. sites
- Approximately 75 participants will be randomized 3:2 to receive either 90 mg of avexitide subcutaneously once daily or placebo
- After completion of the 16-week double-blind treatment period, participants may be eligible to enroll in an open-label extension (OLE) period to receive avexitide
- Plans for post-trial access to avexitide for participants who complete the OLE period are in development

Key Trial Entry Criteria

- Has undergone Roux-en-Y gastric bypass (RYGB) at least 12 months prior to screening visit
- Has a clinical diagnosis of PBH
- Has at least 3 discrete hypoglycemic events during the 3-week run-in period despite adhering to consistent dietary management
 - At least 2 of the qualifying events must be Level 2 or greater in severity, and at least 1 event must be adjudicated by the independent EAC as Level 3 (per American Diabetes Association & European Association for the Study of Diabetes)*

*Level 2 hypoglycemia, glucose <54mg/dL as measured by SMBG; Level 3 hypoglycemia, severe event characterized by altered mental and/or physical functioning that requires assistance for treatment of hypoglycemia.

CONCLUSION

- The phase 3 LUCIDITY study will evaluate the efficacy and safety of avexitide, a first-in-class GLP-1 receptor antagonist in PBH
- Initiation of the LUCIDITY study is planned for Q1 2025 with topline data anticipated in 2026

Study Objectives

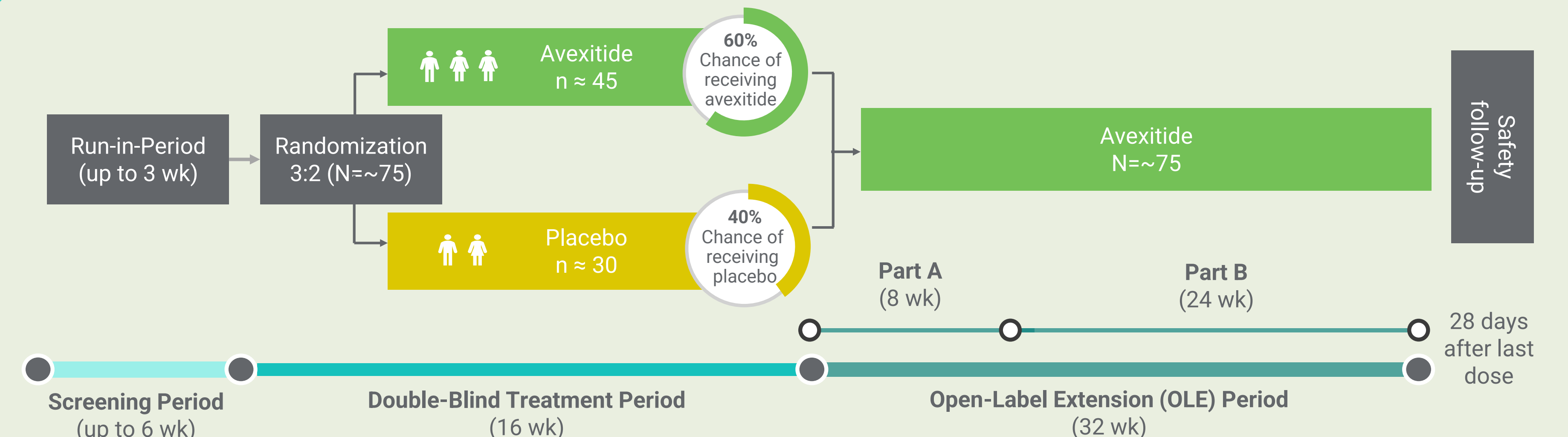
Primary Objectives

- Assess reduction in the composite of Level 2 and Level 3 hypoglycemic events as measured by self-monitoring blood glucose (SMBG) and adjudication committee
- Evaluate the safety and tolerability of avexitide

Secondary and Tertiary Objectives

- Further evaluate the efficacy of avexitide compared to placebo on additional measures of hypoglycemia as measured by blinded continuous glucose monitoring (blinded CGM)
- Further evaluate the long-term safety of avexitide
- Evaluate effects of avexitide on participant quality of life

LUCIDITY Phase 3 Study Design



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Disclosures

RM, SB, JH, JK, JT, YW, ZY, and LM are full-time employees of and may have stock option ownership in Amylyx Pharmaceuticals, Inc. TM reports consulting fees from Amylyx, patents licensed to Amylyx, and scientific advisory board compensation from Amylyx. MT reports research grant from Eiger, consulting fees from Eiger and Amylyx, travel compensation from Eiger and Amylyx, and scientific advisory board compensation from Amylyx. MEP reports research grants from Dexcom and Recordati, consulting fees from MBX, Spruce, Recordati, Premier, Cello, Alpha sight, Boxer Capital, and Amylyx, scientific advisory board compensation from Amylyx and fees for participation as a DSMB member from Fractyl. CC reports consulting fees from Amylyx and Aardvark, scientific advisory board compensation from Amylyx and Aardvark, license/APA compensation from Amylyx, and has stock option ownership in Aardvark.

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