



Vivani Medical, Inc.

Guaranteed Adherence.
Better Outcomes.

www.vivani.com



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The obesity market is evolving

What will it take to be successful in the future?

In addition to the two approved products on the market, there are over 50 in clinical development. All of these are injectables or orals.

A differentiated route of administration presents opportunities to access untapped segments of this market, transition experienced patients to a longer-acting option, and help patients struggling with adherence to have access to a guaranteed-adherence option.

FDA-approved
GLP-1 injectables

3



FDA-approved
GLP-1 orals

0

Clinical-stage
injectables or orals for
obesity

>50



Clinical-stage
subdermal implant

1



Vivani's differentiated product candidates are designed to address unmet needs and expand the market

Market Challenges

- ✓ **Suboptimal outcomes**
Poor medication adherence (<50%) leads to loss of efficacy and rapid weight rebound
- ✓ **Tolerability issues**
Dose fluctuations and pharmacokinetic (PK) variability provoke side effects
- ✓ **Pricing & access challenges**
13+ devices/year drive higher cost of goods, reducing pricing flexibility with subcutaneous (SC) dosing
- ✓ **Underserved & unaddressed populations**
Current options not ideal for hard-to-reach, difficult-to-manage, discretion- or convenience-seeking patients

The NanoPortal™ Promise

- ✓ **Convenient, guaranteed adherence**
Maintains therapeutic effect and delivers medical and pharmacoeconomic outcomes
- ✓ **Stable delivery**
Expected to reduce side effects associated with fluctuating drug plasma levels
- ✓ **Lower costs and pricing flexibility**
1-2 devices/year results in lower cost of goods vs. SC dosing, providing greater pricing flexibility
- ✓ **Differentiated modality**
Infrequent, in-office administration by primary care professionals reaches underserved populations

Vivani Medical, Inc.

A clinical stage innovator uniquely positioned to address the future challenges and opportunities of an evolving obesity market



Our focus: Enhance patient outcomes and GLP-1 market uptake in chronic diseases via unique route of administration, improved patient adherence, tolerability, and convenience



Technology: NanoPortal ultra long-acting, miniature drug implants designed to enable dosing every 6 to 12 months



Lead program: NPM-139 is a miniature, subdermal, semaglutide implant for chronic weight management in obese and overweight individuals



Clinical success: LIBERATE-1 first-in-human study achieved the primary objectives including positive safety, tolerability and device performance



Platform Proof of Concept: Preclinical weight loss of ~20% sustained at 7 months in an ongoing study

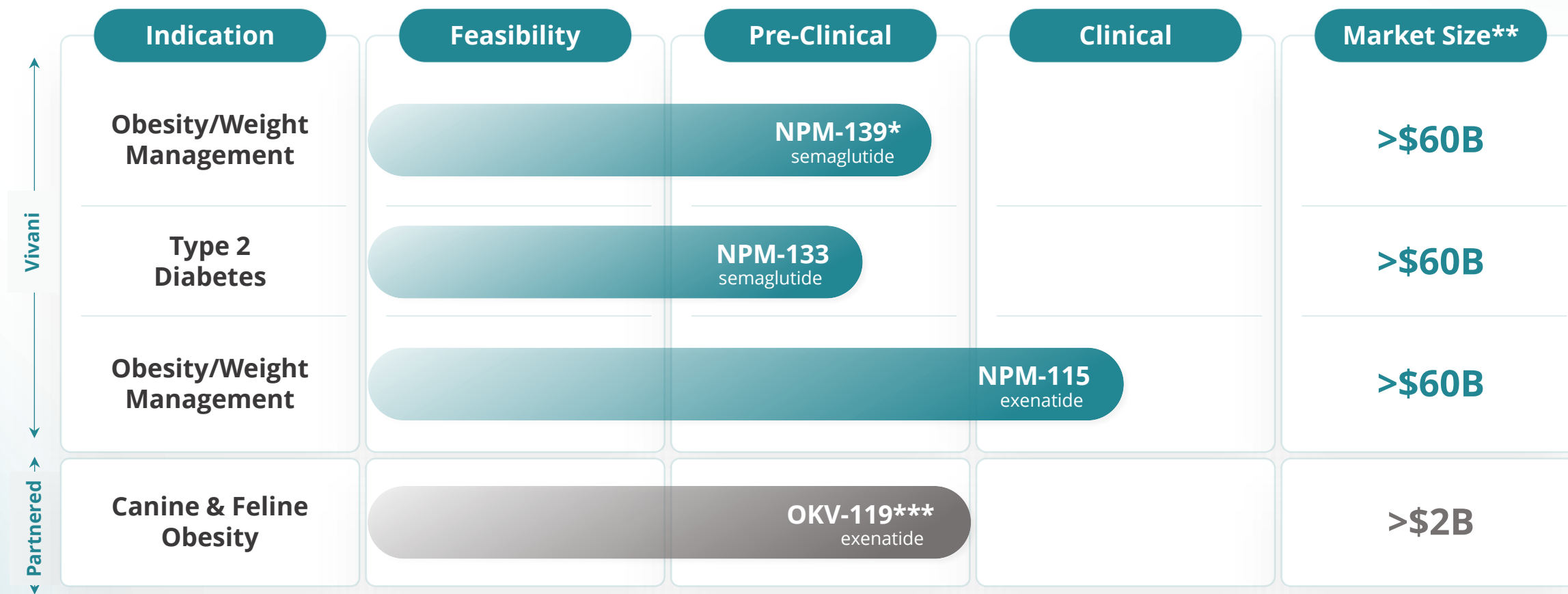
Nasdaq: VANI

- ✓ Cash runway through key milestones and into 2H26
- ✓ NPM-139 clinical program initiation in 1H 2026
- ✓ Manufacturing & operations in Alameda, CA

GLP-1 Market expected to grow to \$139B by 2030*

Company pipeline utilizing NanoPortal platform

If approved, Vivani products may compete in markets with large commercial potential



*Feasibility recently established with semaglutide, supporting priority development.

**Estimated Market Sizes where Vivani products would compete, if approved. Does not represent future sales or revenue estimates of Vivani pipeline products. TD Cowen estimates \$139B in GLP-1 sales by 2030. We assume >\$60B for Obesity/Chronic Weight Management and >\$60B for Type 2 Diabetes by 2030.

*** In Partnership with Okava Pharmaceuticals, Inc. Market size estimate based on Okava internal analysis.

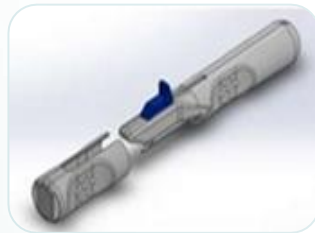
Good things come in small packages

01

GLP-1 implant & applicator



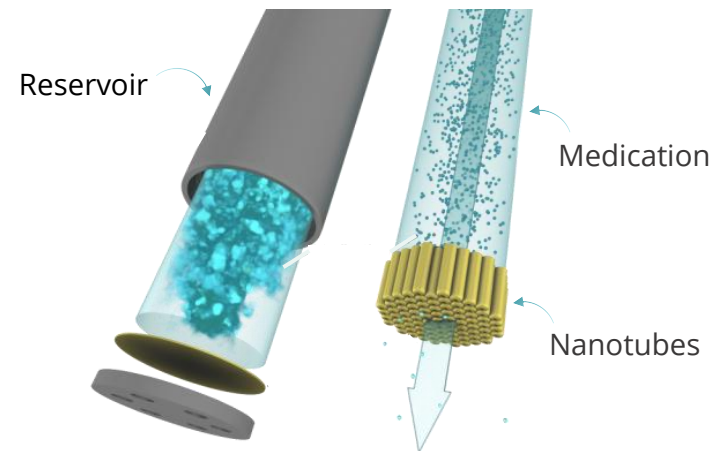
- ✓ Simple administration, in-office procedure to insert the implant comfortably under the skin for twice-yearly dosing designed to produce Wegovy®-level efficacy



02

NanoPortal device elements

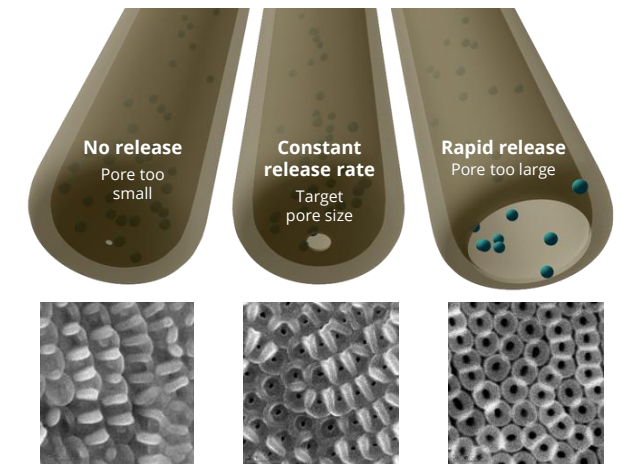
- ✓ Designed to assure adherence
- ✓ Long-term delivery
- ✓ Stable and tunable release profile



03

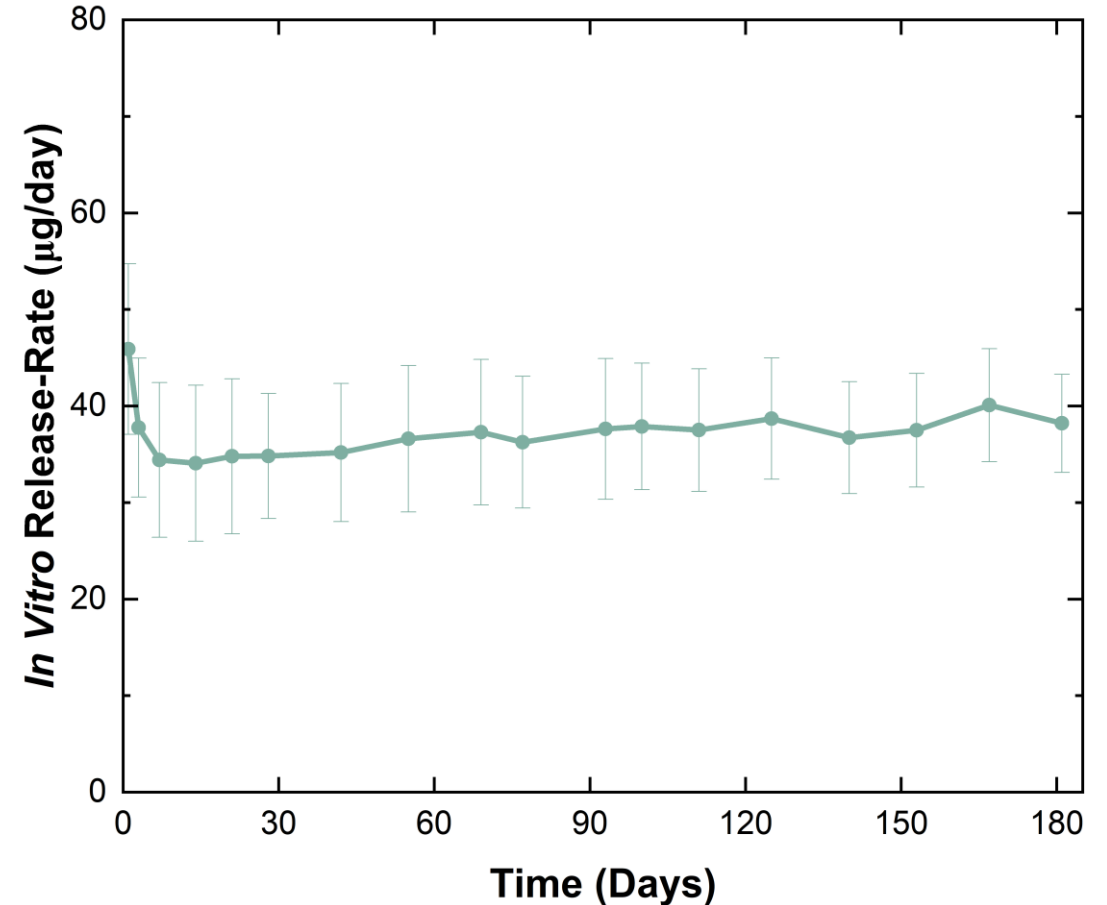
NanoPortal technology

- ✓ Nanotube pore size is precisely tunable to achieve near-constant release profiles



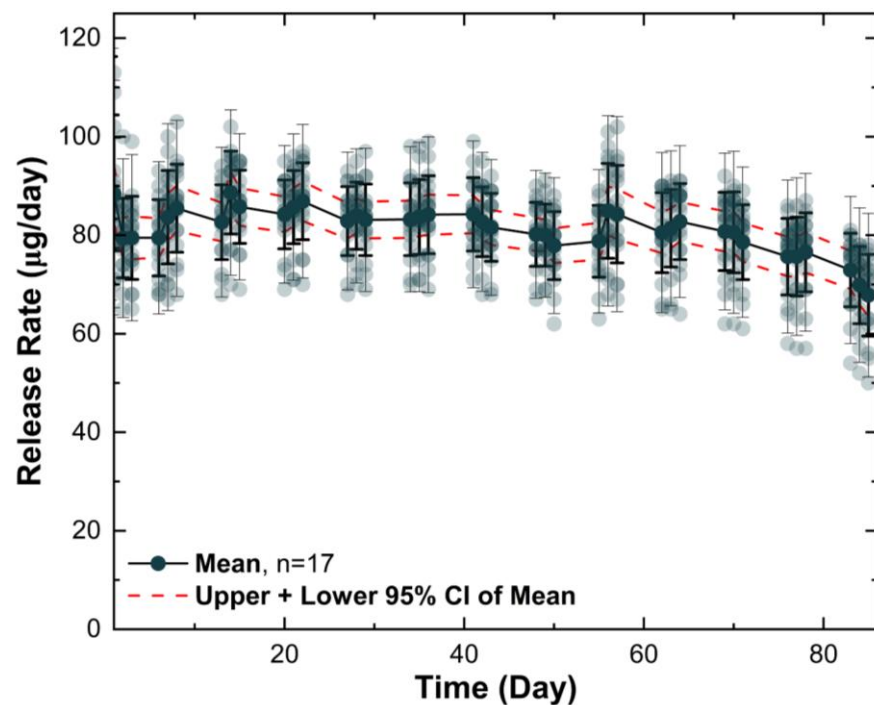
NanoPortal delivers smooth, near-constant drug release

Day 1 timepoint includes cumulative release over the first day including a separately measured 1st hour of release, which was ~ 7 μg for the high-dose and ~ 4 μg for the low-dose. Values are mean $\pm$ SD.

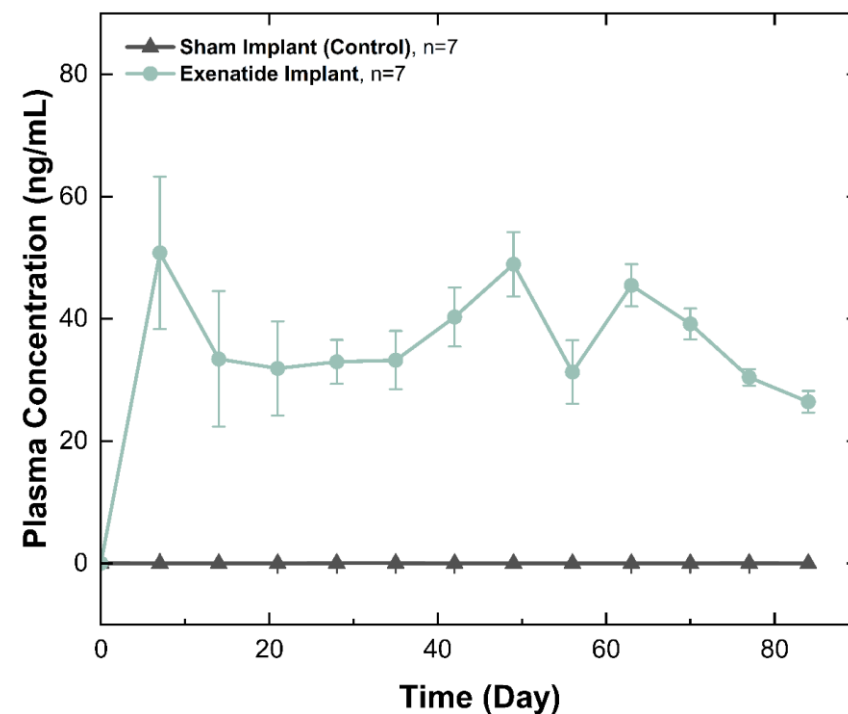


*Release-rates include exenatide and related substances.

In vitro and in vivo performance of 12-week GLP-1 implant configuration



In vitro release-rate of exenatide implant (n=17). Individual values are included for each timepoint. Each week consists of two 24-hour intervals and a 5-day interval. Values are mean $\pm$ 1 SD (bold) and $\pm$ 2 SD. Release-rates include exenatide and related substances.

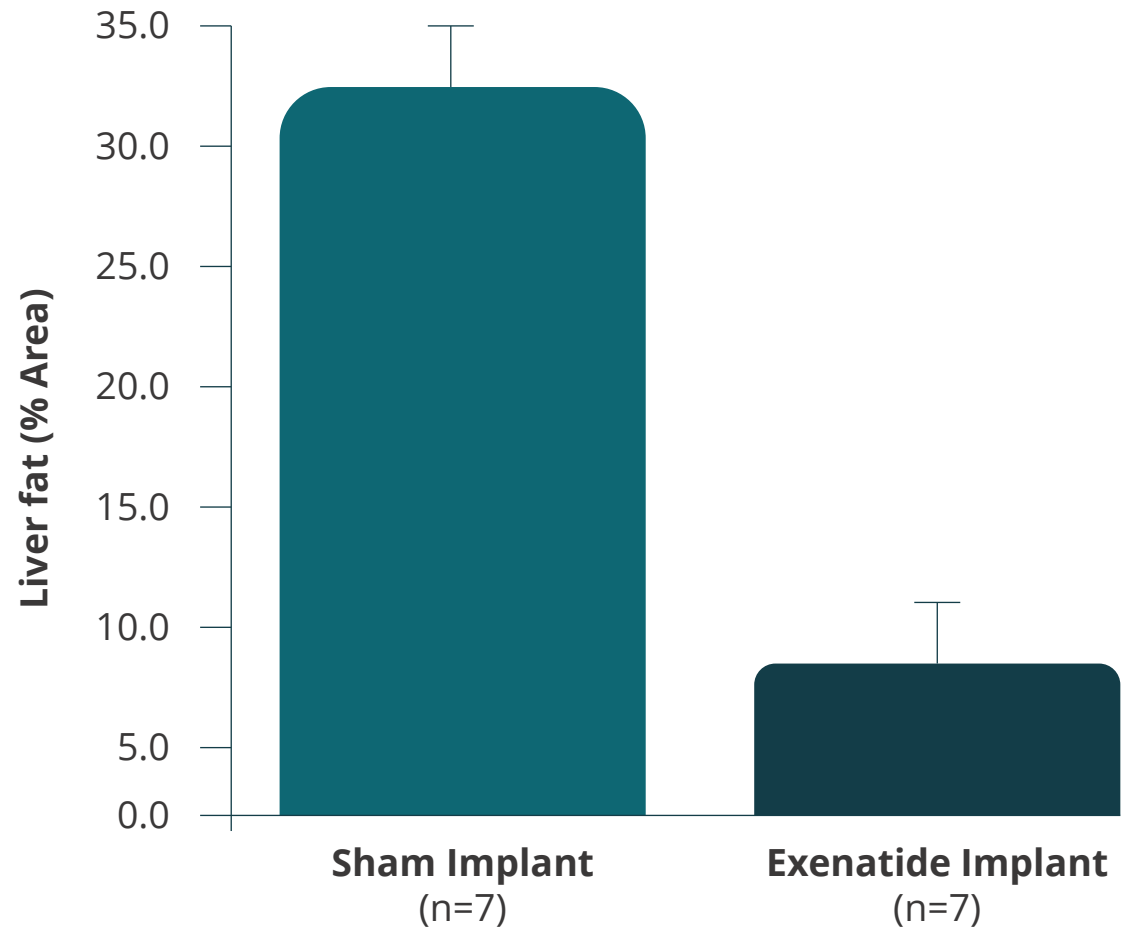


In vivo pharmacokinetics of 12-week exenatide implant and sham implant in high fat diet-induced obese mice (n=7 per group). Values are mean $\pm$ SE.

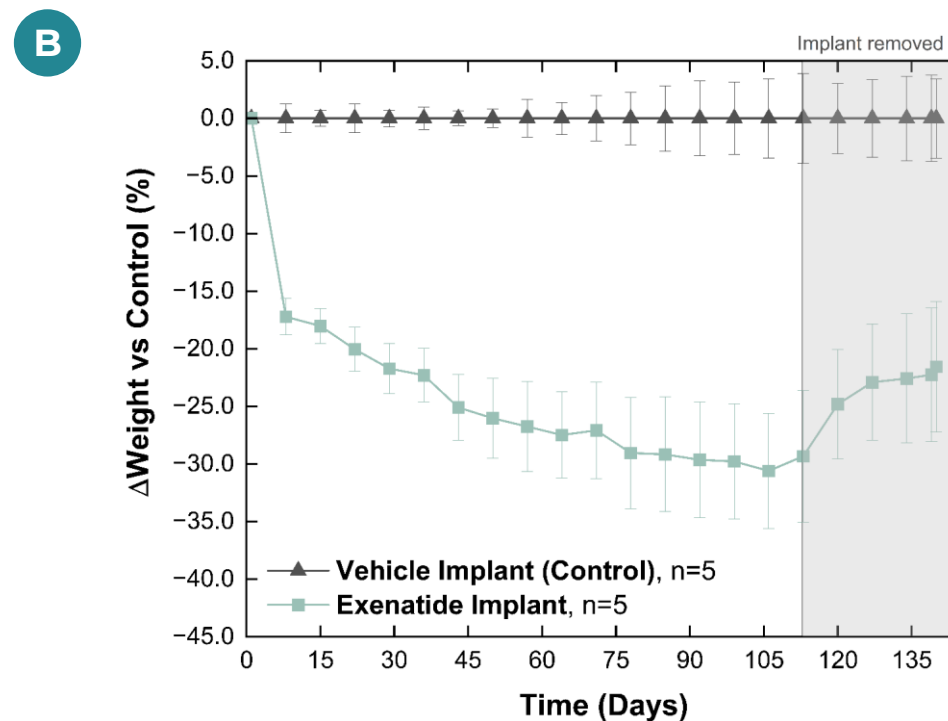
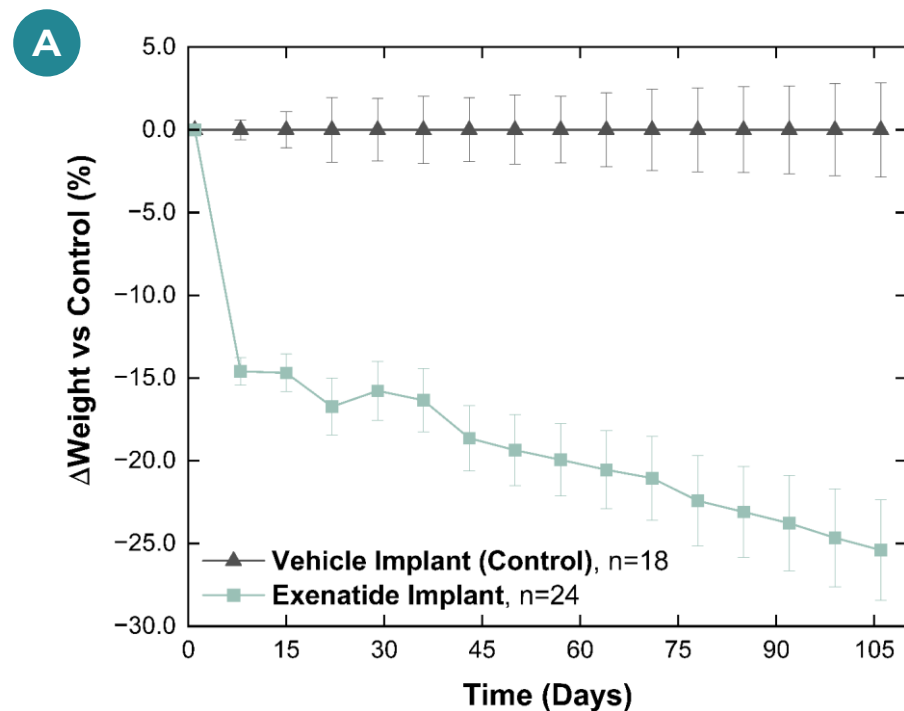
Day 56 values reported as measured, but sample handling error suspected to have occurred.

GLP-1 NanoPortal implant reduced liver fat by 82% in preclinical study

Liver fat reduction in high fat diet-induced obese mice. Liver fat % area for exenatide implant vs sham implant 12 weeks after a single administration. Values are mean $\pm$ SE.



Preclinical GLP-1 NanoPortal implant is associated with durable body weight effects



Weight difference from control in healthy Sprague-Dawley Rats. % weight change from baseline for a single administration of exenatide implant in a study associated with NPM-119 (~320 nmol/kg/day) corrected to control (vehicle implant). (A) All animals measured through 105 days of treatment; (B) 5 animals measured in each group through 112 days of treatment followed by a 28-day recovery period. Values are mean $\pm$ SE.

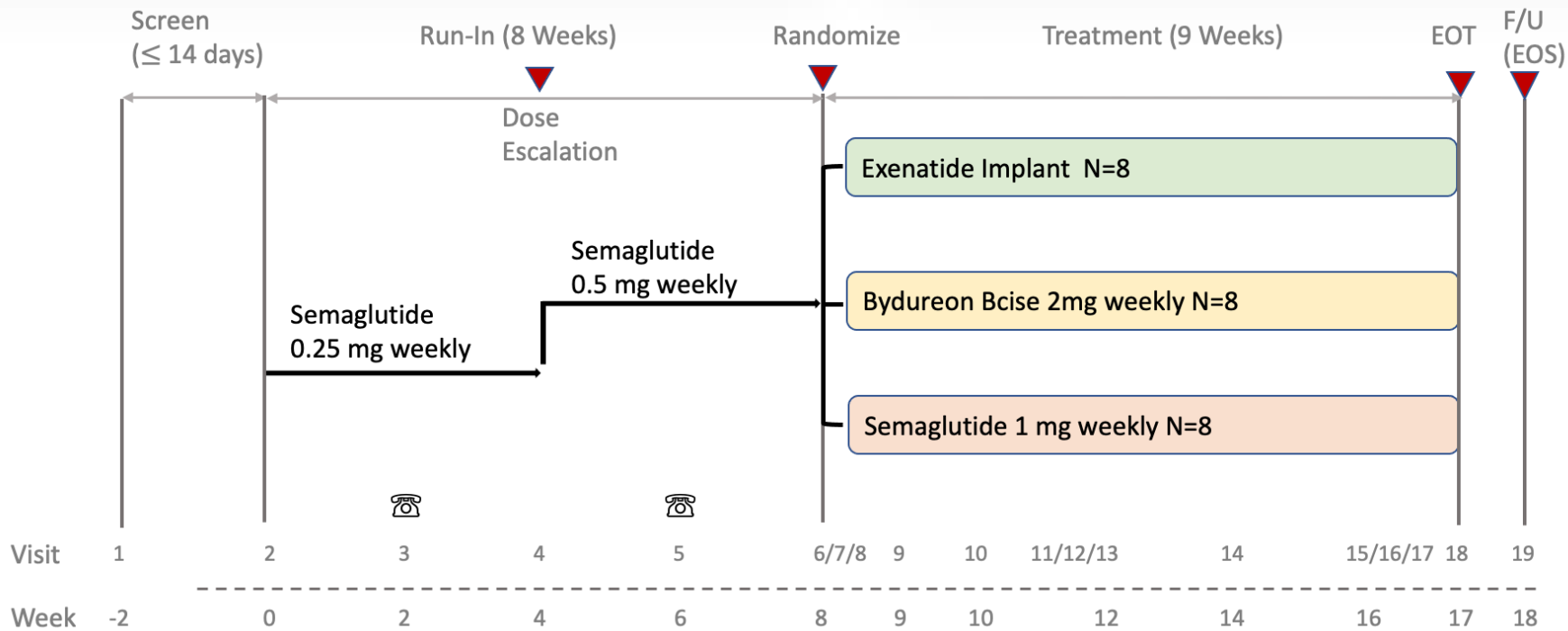
First-in-human GLP-1 NanoPortal clinical trial: LIBERATE-1

Primary Objectives

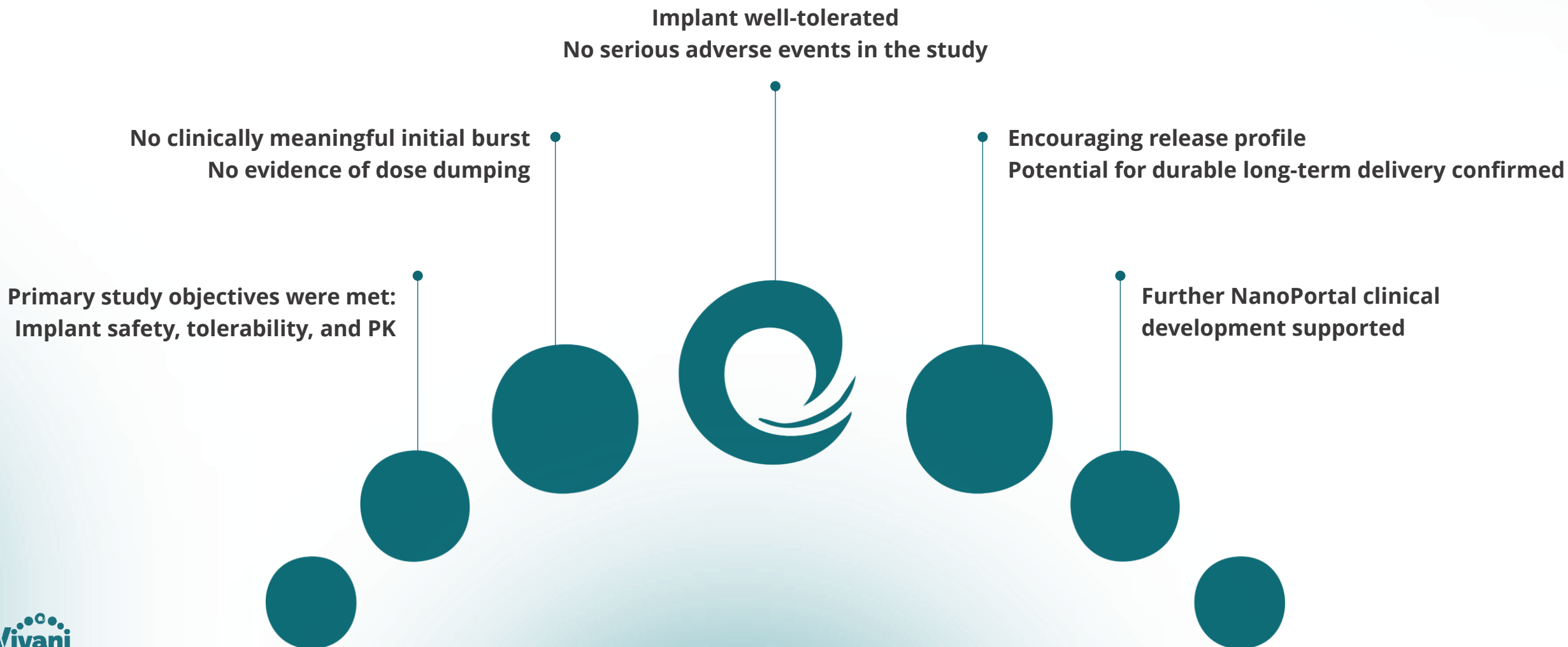
Safety/tolerability assessment and full pharmacokinetic characterization. Changes in weight also assessed.

Key Inclusion/Exclusion Criteria

18-55 years old; overweight or obese (BMI 27-40)
Otherwise healthy (no T2D, normal renal function)



LIBERATE-1 topline results summary



Vivani Lead Program: NPM-139

Semaglutide Implant for
Chronic Weight Management

Targeting the Rapidly Growing GLP-1 Market

Priority clinical development program: NPM-139

Development of once- or twice-yearly semaglutide implant for chronic weight management in obese or overweight patients



GLP-1 products generated **>\$14B** in sales in 2024 for chronic weight management. The obesity market is expected to grow at **~32% CAGR**.¹



Based on real-world adherence and persistence data, **>50%** of patients regularly miss doses; **>50%** discontinue by year 1 and **~75%** discontinue by year 2²



The initial program activities are being designed to support additional semaglutide applications such as **type 2 diabetes** (NPM-133), **CKD in type 2 diabetes**, **MASH**, **Alzheimer's**, **alcohol addiction**, etc.

¹ Grand View Research. (2023, November). GLP-1 agonists weight loss drugs market size, share & trends analysis by drugs (Semaglutide (Wegovy), Tirzepatide (Zepbound)), by route of administration, by distribution channel, by region, and segment forecasts, 2025 - 2030. Grand View Research. <https://www.grandviewresearch.com/industry-analysis/glp-1-agonists-weight-loss-drugs-market-report>

² Gleason, P. P., Urlick, B. Y., Marshall, L. Z., Friedlander, N., Qiu, Y., & Leslie, R. S. (2024). Real-world persistence and adherence to glucagon-like peptide-1 receptor agonists among obese commercially insured adults without diabetes. *Journal of managed care & specialty pharmacy*, 30(8), 860-867. <https://doi.org/10.18553/jmcp.2024.23332>

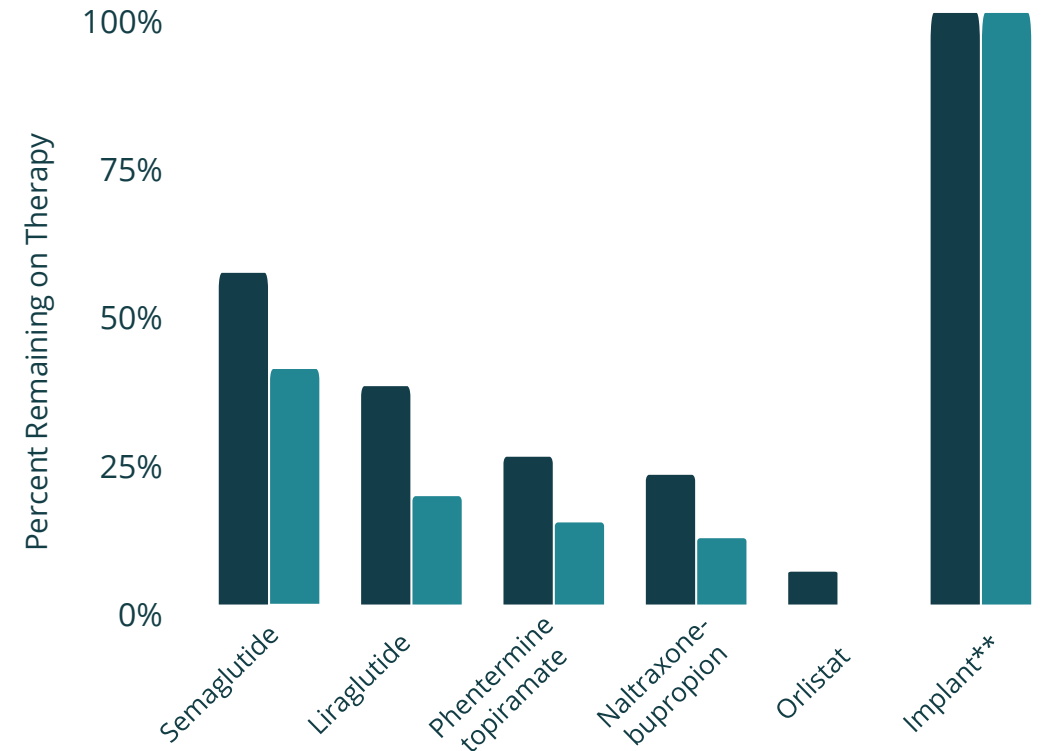
Persistence and adherence are critical to securing desired long-term health outcomes

Persistence data comparing obesity therapies suggest room for improvement across the board, including for semaglutide. The unmet need is significant.

- ✓ The opportunity for an additional 60% improvement in persistence for semaglutide is remarkable and could translate to improved patient outcomes
- ✓ Semaglutide implant is designed to guarantee adherence during the entire once- or twice-yearly dosing interval

Large Retrospective Cohort Study* (N=1,911)

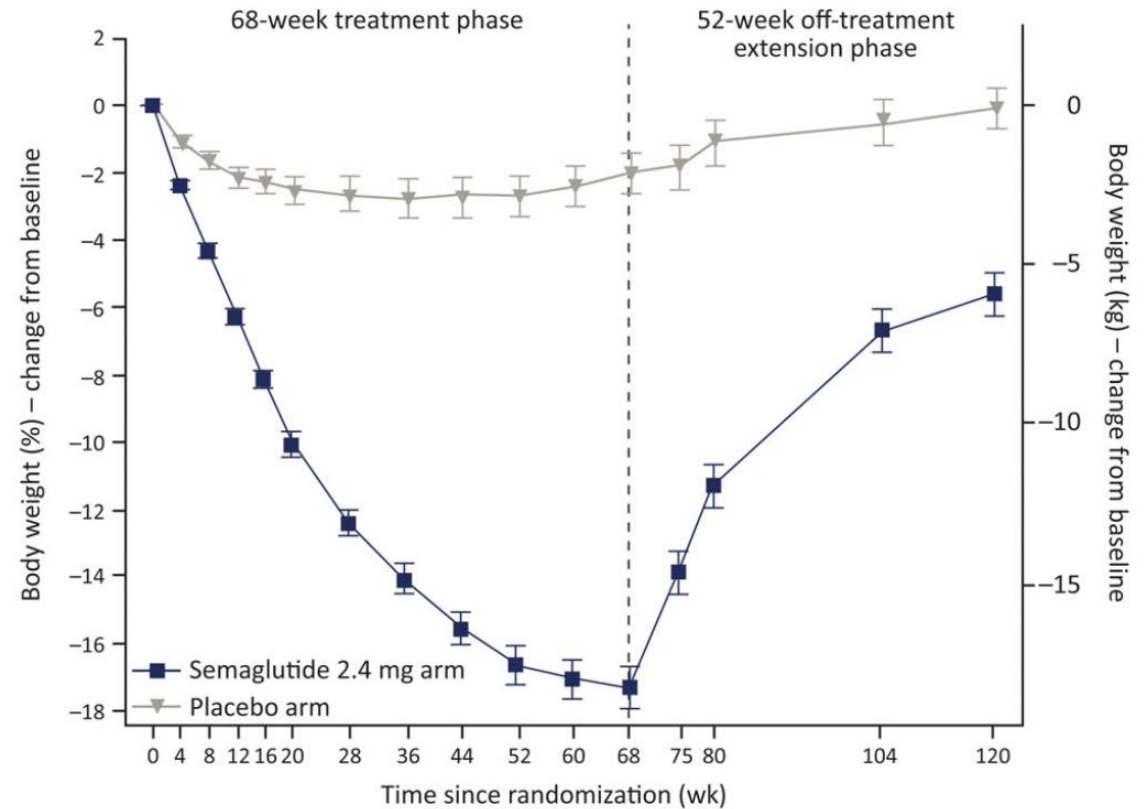
■ 6 months ■ 12 months



** Implant not included in this Large Retrospective Cohort Study, included for illustrative purposes only; assumes full replacement at 6 months

Semaglutide discontinuation leads to rapid hunger-induced weight rebound

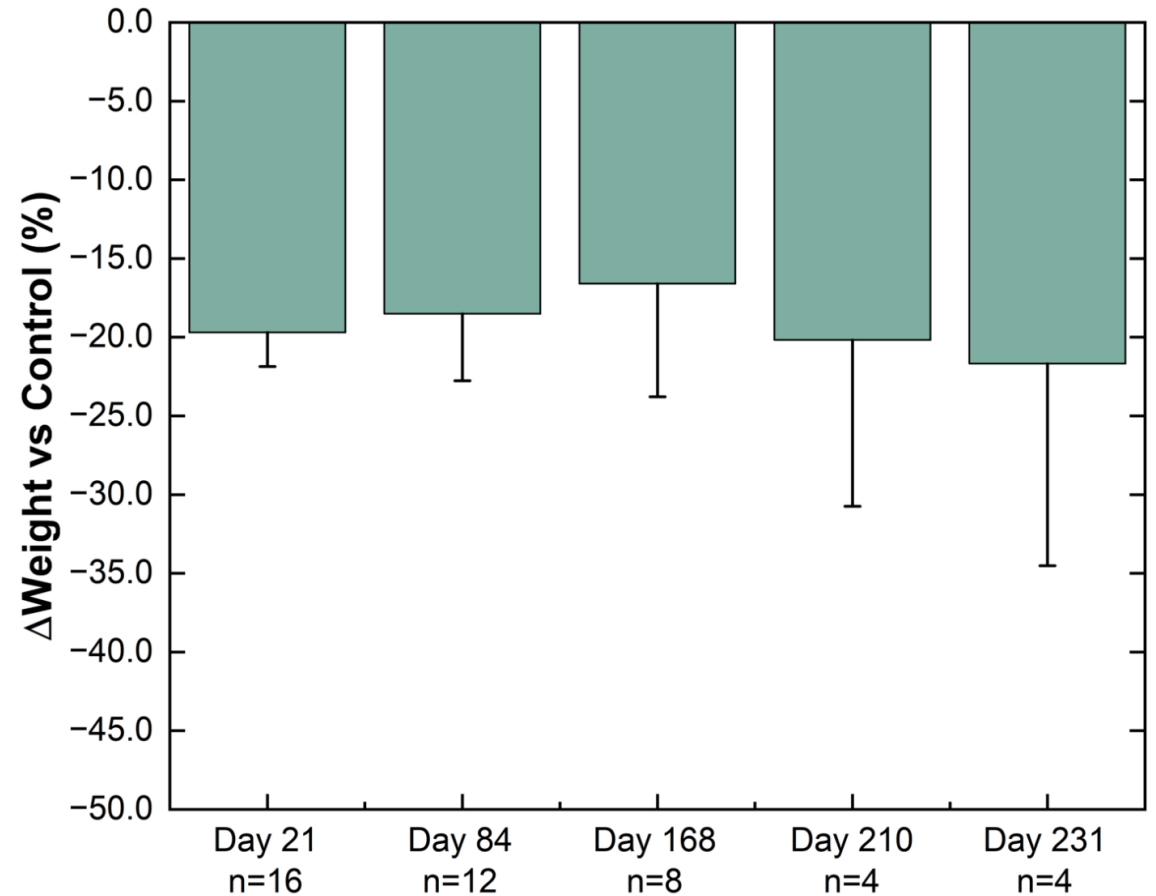
Sudden GLP-1 withdrawal produces immediate rebound hunger, leading to rapid weight regain mediated by greater food consumption



STEP 1 Extension: Semaglutide Withdrawal

Semaglutide implant successfully delivers durable weight loss in preclinical model for >7 months

Weight difference versus control group in healthy Sprague-Dawley rats. % weight change from baseline for NPM-139 (semaglutide implant) corrected to control (sham implant). Implants from 4 animals were removed on each of Day 21, Day 84, and Day 168 for characterization. Values are mean $\pm$ SE.



Patient and prescriber research indicates strong adoption potential for a miniature, 6-month GLP-1 implant

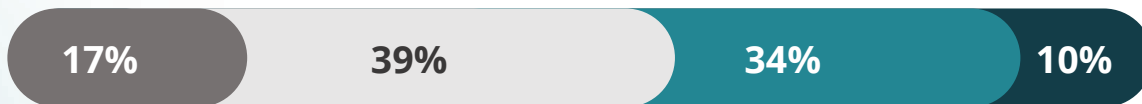
Currently on a GLP-1 therapy (n=324)



Ex-GLP-1 therapy (n=178)



GLP-1 therapy naïve (n=319)



● Definitely not ● Unlikely ● Likely ● Definitely

dQ&A Insights reported market research during FDA Advisory Board to review ITCA 650 (exenatide implant) on September 21, 2023. Research conducted in patients with T2D

56% of GLP-1 patients responded “likely” or “definitely” to get a GLP-1 implant if FDA approved, prescriber recommended, and covered by insurance

Average prescriber rating of **8.3 on a 10-point scale** regarding likelihood of prescribing a long-acting GLP-1 implant

Nexplanon demonstrates commercial potential for a subdermal implant in primary care (~**\$1B in annual sales**)

Vivani sponsored qualitative (n=10) market research of diabetes treating primary care physicians, March 2020. ~90% of patients receive treatment in primary care

NPM-139 clinical and regulatory development: Near-term plan builds on recent wins

Milestone	Status
Announced LIBERATE-1 completed and met the primary study objectives	August 2025
Reported positive weight loss in preclinical study with semaglutide implant	August 2025
Disclosed proposed clinical program including Phase 1 PK and Phase 2 dose-ranging weight maintenance studies	September 2025
Initiate NPM-139 clinical program	1H 2026 (projected)

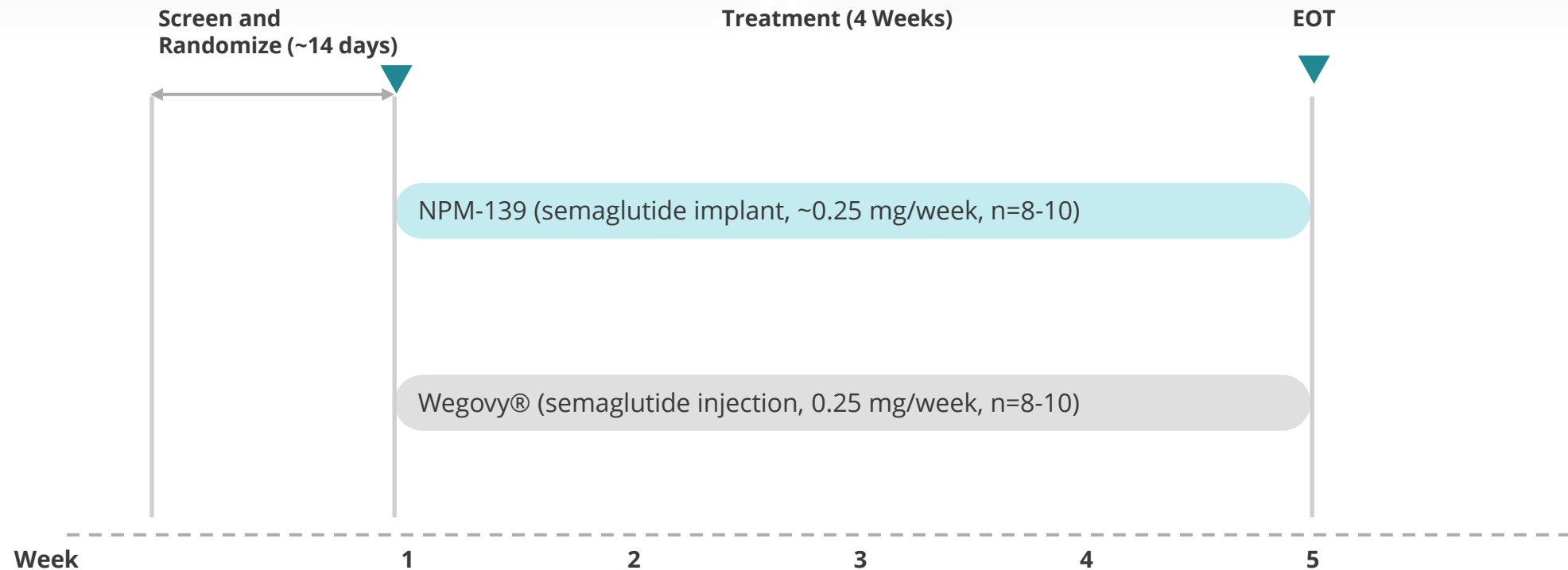
Proposed NPM-139 Phase 1 study design

Primary Objectives

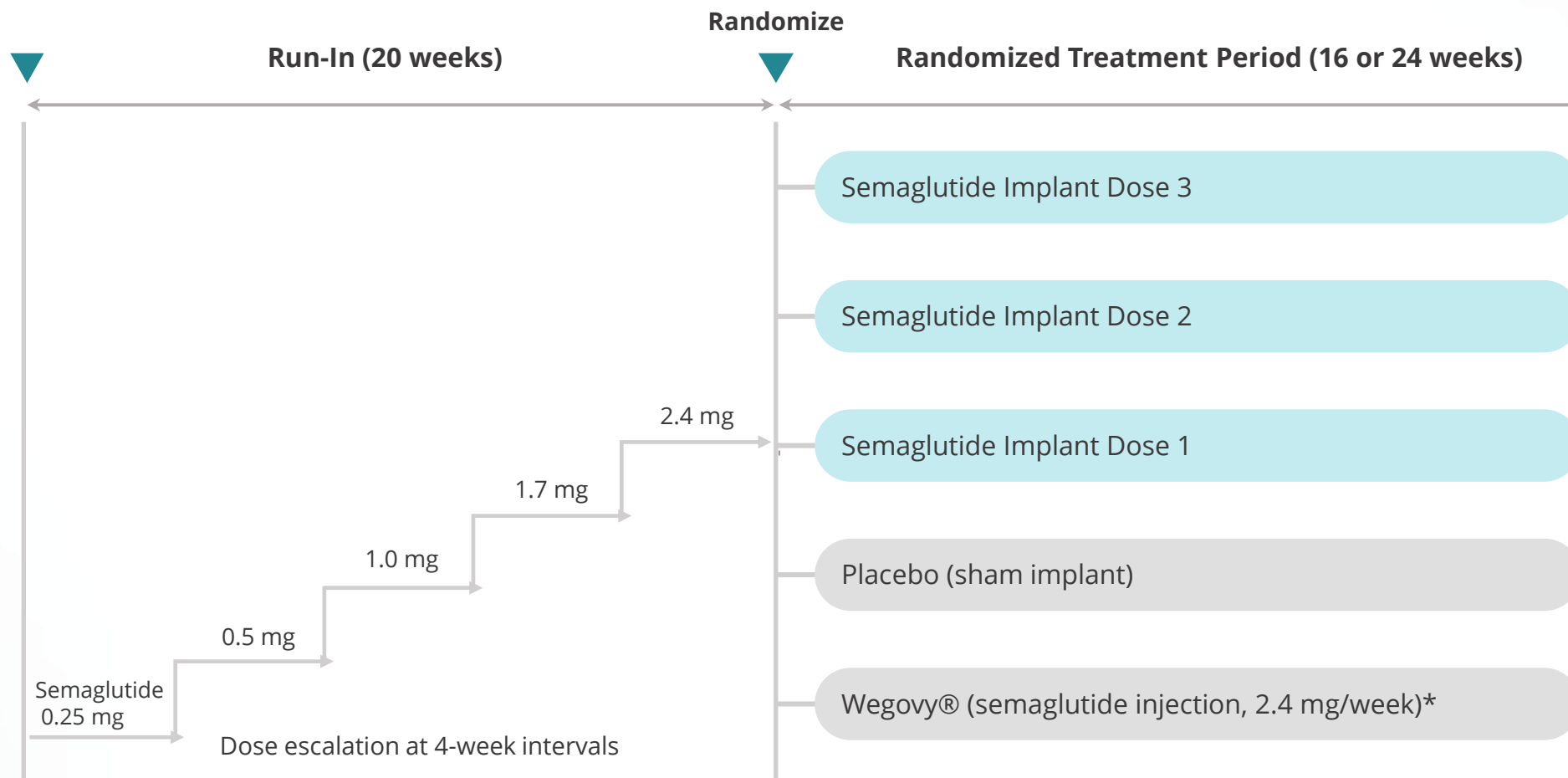
Safety/tolerability assessment and pharmacokinetic characterization

Key Inclusion/Exclusion Criteria

18-55 years old; overweight or obese (BMI 27-40)
Otherwise healthy (no T2D)



Proposed NPM-139 Phase 2 study design



The Vivani executive leadership team



Adam Mendelsohn PhD
CEO/Director

- ✓ Co-founder/Co-inventor of Vivani technology
- ✓ PhD Bioengineering (UCSF/UC Berkeley)
- ✓ Management of Technology Certificate at Haas School of Business
- ✓ Research focused on diabetes treatment
- ✓ Formerly at Boston Scientific and MiniMed



Donald Dwyer, MBA
Chief Business Officer

- ✓ Former Executive Director at AstraZeneca with leadership roles in regulatory affairs, drug development, commercial and business development
- ✓ Former Vivani Board observer for AZ
- ✓ Former PhaseBio Board observer for AZ (prior to IPO)
- ✓ Former Director at Cephalon and Rhone Poulenc Rorer



Lisa Porter, MD
Chief Medical Officer

- ✓ Former Chief Medical Officer for Eiger BioPharmaceuticals and Dance BioPharm
- ✓ Former VP of Medical Development for Amylin
- ✓ Former Director at GSK, Global Head of Clinical Strategy for Avandia
- ✓ Former Board member of ViaCyte, Inc.



Truc Le, MBA
Chief Operations Officer

- ✓ Numerous COO and Executive Positions at Device and Drug-Device Companies, including:
- ✓ CTO at Dance BioPharm, COO at Avid Bio
- ✓ Exec VP at Prima Biomed, Sr. VP at Nektar Therapeutics (responsible for Exubera approval), and Worldwide VP at Johnson & Johnson



Anthony Baldor, MS, MBA
Chief Financial Officer

- ✓ Former CFO and Head of Business Development at Diakon Oncology
- ✓ Former VP Corporate Strategy and Development at 4DMT
- ✓ Former Research Analyst at Jefferies
- ✓ Former Venture Capital Principal at Biolnnovation Capital and Associate at RMI Partners

Vivani headquarters and GMP manufacturing facility



Guaranteed adherence. Improved outcomes.

- ✓ Only GLP-1 implant in development for obesity and chronic weight management
- ✓ Convenient once- or twice-yearly dosing expected to address GLP-1 adherence and tolerability challenges
- ✓ Unique modality designed to reach underserved & unaddressed populations key to market expansion





Thank You

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