

UNITED STATES  
SECURITIES AND EXCHANGE COMMISSION  
WASHINGTON, D.C. 20549

FORM 8-K

CURRENT REPORT

Pursuant to Section 13 OR 15(d) of The Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): January 6, 2023

VIVANI MEDICAL, INC.

(Exact name of registrant as specified in its charter)

**California**  
(State or other jurisdiction of  
incorporation)

**001-36747**  
(Commission  
File Number)

**02-0692322**  
(IRS Employer  
Identification No.)

**5858 Horton Street, Suite 280**  
**Emeryville, California**  
(Address of principal executive offices)

**94608**  
(Zip Code)

Registrant's telephone number, including area code: **(818) 833-5000**

(Former name or former address, if changed since last report.)

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

- Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)
- Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)
- Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))
- Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Securities registered pursuant to Section 12(b) of the Act:

Title of each class	Trading Symbol(s)	Name of each exchange on which registered
Common Stock	VANI	Nasdaq Capital Market

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act.

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**Item 7.01. Regulation FD Disclosure**

Vivani Medical, Inc. (the “Company”) from time to time presents and/or distributes to the investment community at various industry and other conferences slide presentations to provide updates and summaries of its business. These slides are attached to this Current Report on Form 8-K as Exhibit 99.1 and are incorporated by reference herein. The Company is also posting to the “Investors” portion of its website a copy of its current corporate slide presentation. The slides speak as of the date of this Current Report on Form 8-K. While the Company may elect to update the slides in the future or reflect events and circumstances occurring or existing after the date of this Current Report on Form 8-K, the Company specifically disclaims any obligation to do so. The information contained in this Item 7.01 and Exhibit 99.1 hereto shall not be deemed “filed” for purposes of Section 18 of the Securities Exchange Act of 1934, as amended (the “Exchange Act”), or incorporated by reference in any filing under the Securities Act of 1933, as amended, or the Exchange Act, except as shall be expressly set forth by reference in such a filing.

**Item 9.01 Financial Statements and Exhibits.**

(d) *Exhibits.*

<b>Exhibit No.</b>	<b>Description</b>
<a href="#">99.1</a>	<a href="#">Corporate Slides, dated January 6, 2023</a>
104	The cover page of this Current Report on Form 8-K, formatted in Inline XBRL.

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**SIGNATURE**

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

**VIVANI MEDICAL, INC.**

Date: January 6, 2023

By: /s/ Donald Dwyer  
Donald Dwyer  
Chief Business Officer

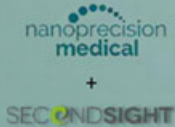
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Nasdaq: VANI  
[www.vivani.com](http://www.vivani.com)

# Vivani Medical, Inc.

*Guaranteed Adherence. Better Outcomes.*



January 6, 2023

# Disclaimers

The following slides and any accompanying oral presentation contain forward-looking statements within the meaning of Section 27A of the Securities Act of 1933, as amended, and Section 21E of the Securities Exchange Act of 1934, as amended, which are intended to be covered by the "safe harbor" created by those sections. All statements in this release that are not based on historical fact are "forward looking statements." These statements may be identified by words such as "estimates," "anticipates," "projects," "plans" or "planned," "strategy," "goal," "seeks," "may," "will," "expects," "intends," "believes," "should," and similar expressions, or the negative versions thereof, and which also may be identified by their context. All statements that address operating performance or events or developments that Vivani Medical, Inc. ("Vivani", the "Company", "we" or "us) expects or anticipates will occur in the future, such as stated objectives or goals, our product candidates and their therapeutic potential and planned development, the indications that we intend to target, our technology, our business and strategy, milestones, addressable markets, or that are not otherwise historical facts, are forward-looking statements. While management has based any forward-looking statements included in this presentation on its current expectations, the information on which such expectations were based may change. Forward-looking statements involve inherent risks and uncertainties which could cause actual results to differ materially from those in the forward-looking statements as a result of various factors. These risks and uncertainties include, but are not limited to, that we may fail to complete any required pre-clinical activities for NPM-119 or otherwise commence our planned Phase 2 trial for this candidate; conduct any pre-clinical activities of our other product candidates; our product candidates may not demonstrate safety or efficacy in clinical trials; we may fail to secure marketing approvals for our product candidates; there may be delays in regulatory approval or changes in regulatory framework that are out of our control; our estimation of addressable markets of our product candidates may be inaccurate; we may fail to timely raise additional required funding; more efficient competitors or more effective competing treatment may emerge; we may be involved in disputes surrounding the use of our intellectual property crucial to our success; we may not be able to attract and retain key employees and qualified personnel; earlier study results may not be predictive of later stage study outcomes; and we are dependent on third-parties for some or all aspects of our product manufacturing, research and preclinical and clinical testing. Additional risks and uncertainties are described in our Annual Report on Form 10-K filed on March 29, 2022, and in the Company's Forms 10-K/A filed on May 2, 2022, S-4 filed on May 13, 2022, 10-Q filed on May 16, 2022, 10-Q filed on August 12, 2022, and 10-Q filed on November 14, 2022, and as thereafter amended. We urge you to consider those risks and uncertainties in evaluating our forward-looking statements. We caution readers not to place undue reliance upon any such forward-looking statements, which speak only as of the date made. Except as otherwise required by the federal securities laws, we disclaim any obligation or undertaking to publicly release any updates or revisions to any forward-looking statement contained herein (or elsewhere) to reflect any change in our expectations with regard thereto, or any change in events, conditions, or circumstances on which any such statement is based. Certain information contained in this presentation relates to or is based on studies, publications, surveys and other data obtained from third party sources and the Company's own internal estimates and research. While we believe these third-party sources to be reliable as of the date of this presentation, we have not independently verified, and make no representation as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. Finally, while we believe our own internal research is reliable, such research has not been verified by any independent source. All of our therapies are still investigational and have not been approved by any regulatory authority for any use.

# Vivani Executive Leadership Team



## Adam Mendelsohn PhD – CEO/Director

- Co-founder/Co-inventor of Nano Precision Medical 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



## Truc Le, MBA – Chief Operations Officer

- Numerous COO and Executive Positions at Device and Drug-Device Companies, including:
- COO 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



## Brigid Makes MBA – Chief Financial Officer

- Former Sr. VP and CFO Miramar Labs
- Former Sr. VP and CFO AGA Medical
- Former CFO Nektar Therapeutics, OraVax and Haemonetics
- Current Board director: Quantun-Si, Aziyo and Mind Medicine
- Involved in/Directed 2 IPOs, 2 reverse mergers and 1 SPAC



## 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.



## Don Dwyer, MBA – Chief Business Officer

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

## Vivani Medical, Inc.

- 1 An innovative, clinical-stage, biopharmaceutical company that develops and manufactures novel, long-term therapeutic implants to treat chronic diseases.
- 2 Biopharm Division (formerly Nano Precision Medical) develops miniature, drug implants that provide therapeutic levels of medicine over extended periods of time, guaranteeing medication adherence. NPM-119 (6-month GLP-1 implant candidate for Type 2 Diabetes) is Vivani's main focus.
- 3 Neuromodulation Division (formerly Second Sight Medical Products) develops highly innovative medical implant candidates to treat blindness. Vivani is assessing strategic options for advancing Orion II, a cortical visual prosthesis designed to treat profound blindness.
- 4 Vivani is well-positioned with new leadership and sufficient capital to support multiple milestones for NPM-119 while assessing strategic options for Orion II.

# Company Pipeline

If Approved, Vivani Candidates will Compete in Markets with Large Potential

	Indication	Feasibility	Pre-Clinical	Clinical	Market Size*
Biopharm	Human Type II Diabetes	NPM-119 exenatide			>\$20B
	Feline Pre-Diabetes & Diabetes	OKV-119** exenatide			>\$500M
	NASH (Non-Alcoholic Steatohepatitis)	NPM-159*** proprietary compound			>\$18B
	Human Obesity	NPM-139*** proprietary compound			>\$19B
Neuro	Profound Blindness	ORION visual prosthesis			>\$4B

\* Estimated Market Sizes where Vivani candidates would compete, if approved; Does not represent future sales or revenue estimates of Vivani candidates

\*\* In Partnership with Okava Pharmaceuticals, Inc.

\*\*\* Feasibility in progress with a non-exenatide compound in collaboration with a major pharma company





**Biopharm Division  
Drug Implants  
Proprietary Platform Technology**

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# NanoPortal: Innovative Delivery Technology



Designed to Assure Adherence



Minimally-fluctuating and tunable delivery profiles



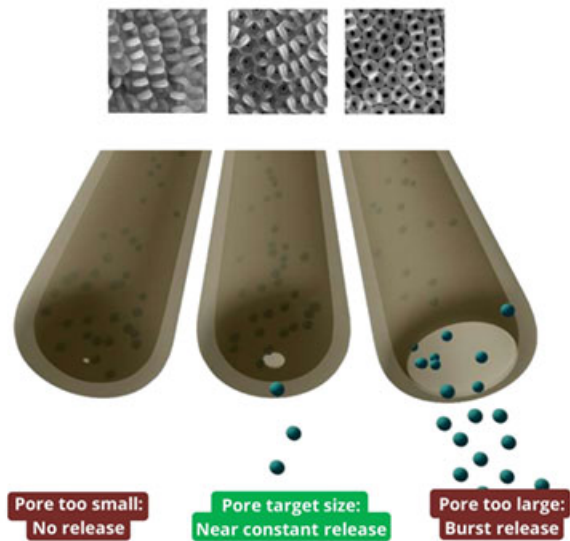
Potential application with many molecular types



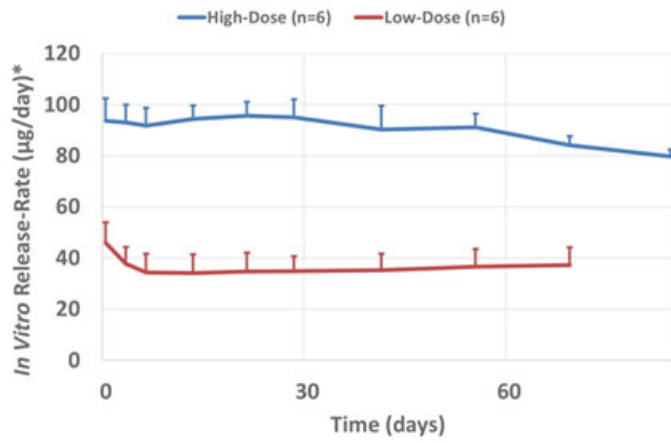
## NanoPortal:

### How it Works...

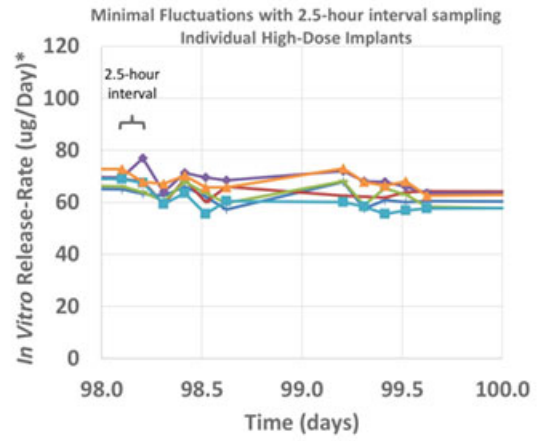
By precisely adjusting nanotubes to molecule size, interactions between drug and nanotube walls can result in desirable release profiles over time, including **near constant release**



# Near-Constant and Minimally-Fluctuating Release



\*Release-rates include exenatide and related substances. Day 1 timepoint includes cumulative release over the first day including a separately measured 1<sup>st</sup> hour of release, which was ~7 µg for the high-dose and ~4 µg for the low-dose.



Fluctuations during each 2.5-hour interval are within measurement error

# NanoPortal™ is a Platform Technology

Broad Potential Application Can Support Portfolio of New Drug Implants



Minimized Implant Size




Extendable Implant Duration



Tunable Delivery Rate



Tunable Delivery Profile



# **Vivani's Lead Program NPM-119**

Targeting the Rapidly Growing GLP-1 RA Market  
\$13B in 2020 & \$23B Expected in 2026

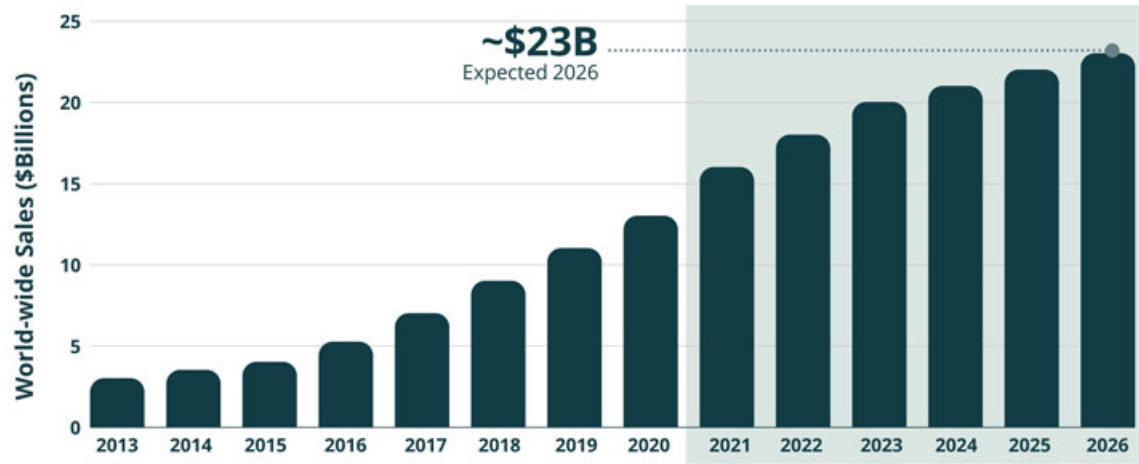
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## **Lead Product (NPM-119): 6-Month Exenatide (Glucagon-like Peptide 1 Receptor Agonist) Implant for Type 2 Diabetes**

1 Guo 2016  
2 Carls et al., 2017  
3 IMS 2013 Report

- Non-adherence is the primary reason for low, real-world effectiveness<sup>1,2</sup>
- Guaranteed adherence will produce significant healthcare cost savings<sup>3</sup>
- FDA indicated 505(b)(2) streamlined approval pathway may be available
- ~\$54M raised pre-merger from investors including AstraZeneca

## GLP-1 Market Opportunity\*



\* Evaluate Pharma 08 June 2021



# Current Drug Adherence Challenge

"Drugs don't work in people that don't take them"

## NPM-119 Designed to Enable 100% Adherence through Implant Duration

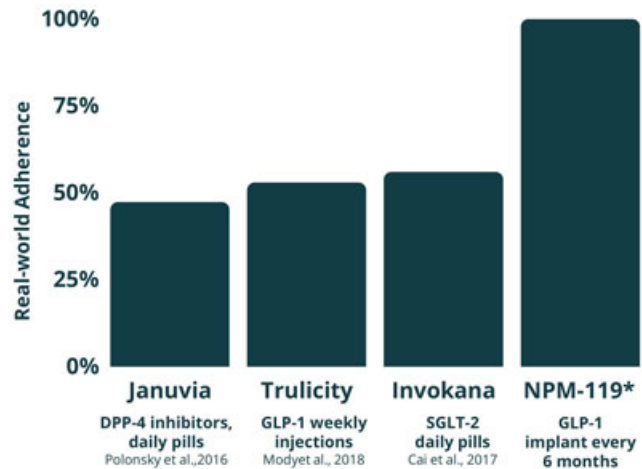
- Orals and injectables do not guarantee adherence
- Approximately 50% of patients do not meet glycemic targets primarily due to adherence

## Dual Incentive to Adopt Technology that Improves Adherence

- Pharmaceutical revenue is increased
- Healthcare costs are decreased

\* NPM-119 - investigational candidate, not approved in any market

Real-World Adherence of Select Drugs



\* NPM-119 designed to enable 100% adherence.

## Guaranteed adherence is expected to deliver improved health outcomes

Drug Substance + Administration = Drug Product

- Varying levels of adherence are associated with different health outcomes
- Different health outcomes may not be attributable to drug substance alone
- The American Diabetes Association (ADA) Standard of Care guidelines encourage treatment options that address adherence

\* NPM-119 - investigational candidate, not approved in any market

Drug Substance	Administration	Drug Product
<b>exenatide</b> (GLP-1 Receptor Agonist)	Weekly Injection	<b>BYDUREON®</b>
<b>dulaglutide</b> (GLP-1 Receptor Agonist)	Weekly Injection	<b>trulicity</b> once weekly
<b>semaglutide</b> (GLP-1 Receptor Agonist)	Weekly Injection  Daily Pill	<b>OZEMPIC®</b> semaglutide injection 0.5mg/1mg <b>RYBELSUS®</b> semaglutide tablets
<b>exenatide</b> (GLP-1 Receptor Agonist)	6-Month Implant	<b>NPM-119*</b>

## Intarcia's ITCA 650 (6-month exenatide implant) may be a relevant value analog for NPM-119

### Value of long-term GLP-1 (exenatide) implant externally validated previously

**2014** – Intarcia signed ITCA 650 deal with Servier (excluding US + Japan) \$171M up-front, \$880M milestones, and double-digit royalties

Financings valued Intarcia as high as \$4.0B (**2017**)

Intarcia's lead program was ITCA 650

**2016** – Intarcia filed initial ITCA 650 New Drug Application (NDA)

**2017** – FDA issued the first ITCA 650 CRL\* (cited manufacturing concerns)

**2019** – Intarcia re-submitted ITCA 650 NDA

**2020** – FDA issued second ITCA 650 CRL (cited clinical safety and device constituent concerns)

**2022** – After multiple dispute resolution actions, FDA denied Intarcia's request for public hearing

\* CRL: Complete Response Letter – issued by FDA to identify NDA deficiencies

## NPM-119 well-positioned to avoid Intarcia's device technology challenges

### Osmotic Pump (Intarcia)



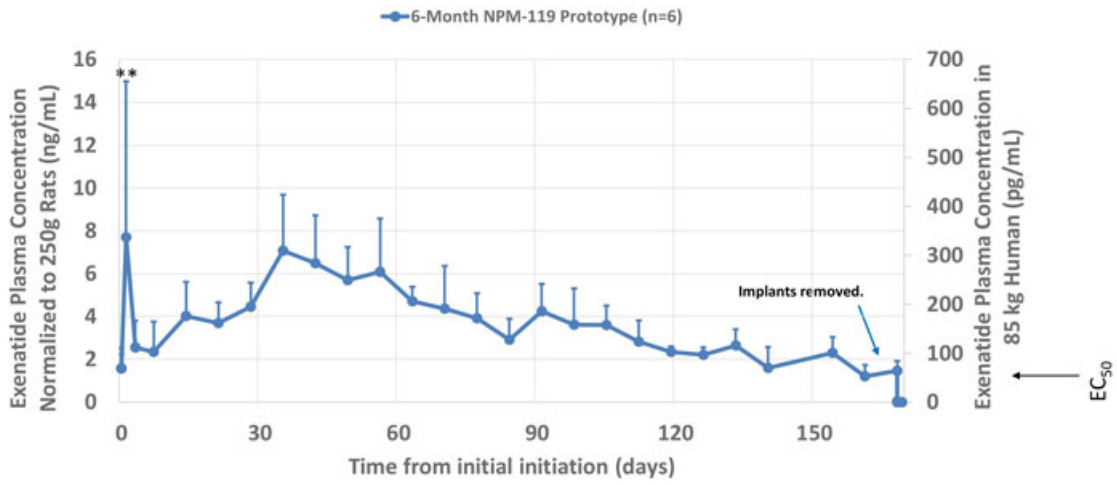
- FDA has concerns about **daily variations in release**
- **Larger Device** (4mm x 45mm)
- Insertion using **larger 6-gauge needle**

### NanoPortal™ (NPM)



- **Minimally fluctuating release** profile observed in pre-clinical studies
- **Smaller Device** (2.2mm x 21.5mm)
- Insertion using **smaller 11-gauge needle**

# 6-Month NPM-119 Preclinical Proof-of-Concept Achieved



\* Exenatide antibody-positive animals are not included in this data set.

\*\*2 of 6 implants are responsible for higher Day 1 exenatide concentrations. Additional optimization ongoing to yield consistent gradual initial PK profiles.



**NPM-119**  
**Clinical and Regulatory Pathway**

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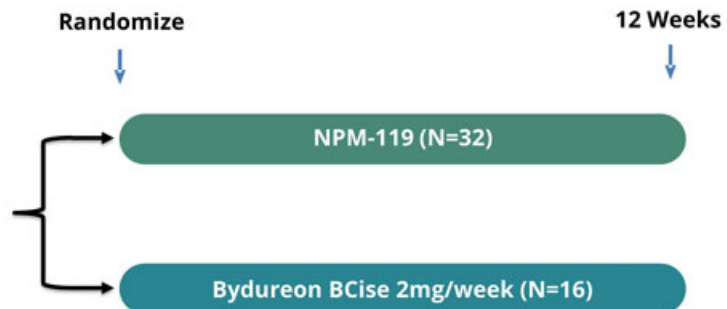
# Proposed First in Human Trial: LIBERATE-1

**Primary Objectives:** Safety/tolerability assessment and full PK characterization

**Secondary Objective:** Evaluate change from baseline in glycemic control (HbA1c)

Key Inclusion/Exclusion Criteria

- T2DM and HbA1c  $\geq 6.5\%$  and  $< 10.0\%$
- On non-exenatide GLP-1 therapy (discontinued upon enrollment)
- May be taking their GLP-1 in combination with up to 2 of the following: metformin, TZD, SGLT-2 inhibitor, or DPP-4 inhibitor
- Excluded: SU, insulin



T2DM: Type 2 Diabetes Mellitus; TZD: Thiazolidinedione; SGLT-2: Sodium-glucose cotransporter-2; DPP-4: Dipeptidyl peptidase 4; SU: Sulfonylurea

## NPM-119 Clinical + Regulatory Development Near-Term Plan

Year(s)	Milestone	Status
2020	FDA Pre-IND Meeting	Completed
1Q2023	File IND to support Ph 2 (LIBERATE-1) clinical study	On-Track
2023	Deliver LIBERATE-1 top-line results	Projected

We expect to utilize the 505(b)(2) pathway, which permits submissions to rely, in part, on the safety and effectiveness of a previously approved product, which may potentially result in a significantly more expeditious and cost-effective pathway to FDA approval than is typically required for new diabetes therapeutics.

Progress towards IND-enabling activities:

- Development of NPM-119 to be used in LIBERATE-1 is complete
- Recent extensive studies have confirmed excellent biocompatibility of NPM-119's device constituent
- NPM-119 was well tolerated in a preclinical GLP toxicology study
- GMP production of LIBERATE-1 clinical supplies is underway



**Neuromodulation Division**

**ORION II**

**Neurostimulation Implant Technology to Treat Blindness**

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## Orion II

### Current Activities and Future Considerations

- Initial clinical pilot study at UCLA and Baylor College of Medicine; 3-year data encouraging

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- Confirming regulatory pathway with FDA

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- Patient Preference Study – Part one – informs potential adoption; encouraging results obtained

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- Patient Preference Study – Part two – defines safety endpoints for approval; in preparation

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- Market Access, Reimbursement and Long-term Support Programs critical for long-term success

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- New Leadership Team is developing strategic options for advancing Orion II

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**Vivani Medical, Inc.  
Financial Information**

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## Vivani Medical, Inc. Pro-Forma P&L Statement

In Thousands, except Share Data	3 Months Ended		9 Months Ended	
	Sep. 30, 2022	Sep. 30, 2021	Sep. 30, 2022	Sep. 30, 2021
<b>Operating expenses:</b>				
Research and development, net of grants	\$ 3,855	\$ 2,868	\$ 9,738	\$ 8,027
Clinical and regulatory, net of grants	4	—	4	—
General and administrative	1,585	617	3,709	1,748
<b>Total operating expenses</b>	<b>5,444</b>	<b>3,485</b>	<b>13,451</b>	<b>9,775</b>
<b>Loss from operations</b>	<b>\$ (5,444)</b>	<b>\$ (3,485)</b>	<b>\$ (13,451)</b>	<b>\$ (9,775)</b>
Other income (expense), net	6,867	(6)	6,846	622
<b>Net income/(loss)</b>	<b>\$ 1,423</b>	<b>\$ (3,491)</b>	<b>\$ (6,605)</b>	<b>\$ (9,153)</b>
Net income/(loss) per common share – basic	\$ 0.04	\$ (0.10)	\$ (0.18)	\$ (0.28)
Net income/(loss) per common share – diluted	\$ 0.04	\$ (0.10)	\$ (0.18)	\$ (0.28)
Weighted average common shares outstanding	37,965	33,799	37,712	32,771
Weighted average common shares outstanding	38,477	33,799	37,712	32,771

# Vivani Medical, Inc.

## Pro-forma Balance Sheet

Condensed Consolidated Balance Sheets (unaudited)		
In Thousands	Sep. 30, 2022	Dec. 31, 2021
<b>ASSETS</b>		
<b>Current assets:</b>		
Cash and cash equivalents	\$ 51,684	\$ 2,178
Prepaid expenses and other current assets	2,779	291
<b>Total current assets</b>	<b>\$ 54,463</b>	<b>\$ 2,469</b>
<b>Total assets</b>	<b>\$ 57,022</b>	<b>\$ 5,453</b>
<b>LIABILITIES AND STOCKHOLDERS' EQUITY</b>		
Total current liabilities	\$ 5,620	\$ 2,086
<b>Total liabilities</b>	<b>\$ 5,662</b>	<b>\$ 2,988</b>
<b>Stockholders' equity:</b>		
Common stock and APIC	\$ 116,888	\$ 61,362
Accumulated other comprehensive loss	(26)	—
Accumulated deficit	(65,502)	(58,897)
<b>Total stockholders' equity</b>	<b>\$ 51,360</b>	<b>\$ 2,465</b>
<b>Total liabilities and stockholders' equity</b>	<b>\$ 57,022</b>	<b>\$ 5,453</b>

# Vivani Medical, Inc. Post Merger Cap Table

*As of September 30, 2022*

Equity	WAEP*	Number of Shares
Common Stock		50,735,770
Options	\$3.21	5,026,987
Warrants**	\$5.29	10,310,543
Fully Diluted Shares		66,073,300

\* Weighted Average Exercise Price

\*\* Actual warrants total 15,431,169 including 7,680,938 for Second Sight which when exercised 3 for 1, convert to 2,560,313 common shares

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