



Setting New Standards for Venous Care

October 2021 Investor Presentation

Nasdaq: NVNO
enVeno.com



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Investment Highlights



Lead product candidate, VenoValue[®] being evaluated for the treatment of lower limb deep venous Chronic Venous Insufficiency (CVI)

Demonstrated efficacy and safety in first-in-human trial

Ongoing SAVVE pivotal trial with data expected Q4 2022

Sufficient capital to fund operations through pivotal data readout

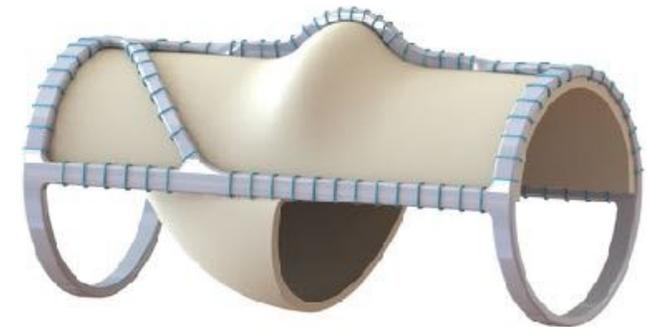


VenoValve

Potential to redefine the standard of care in
lower limb Chronic Venous Insufficiency (CVI)

Breakthrough Device Designation

Significant opportunity with
~2.4 million potential patients in the U.S.





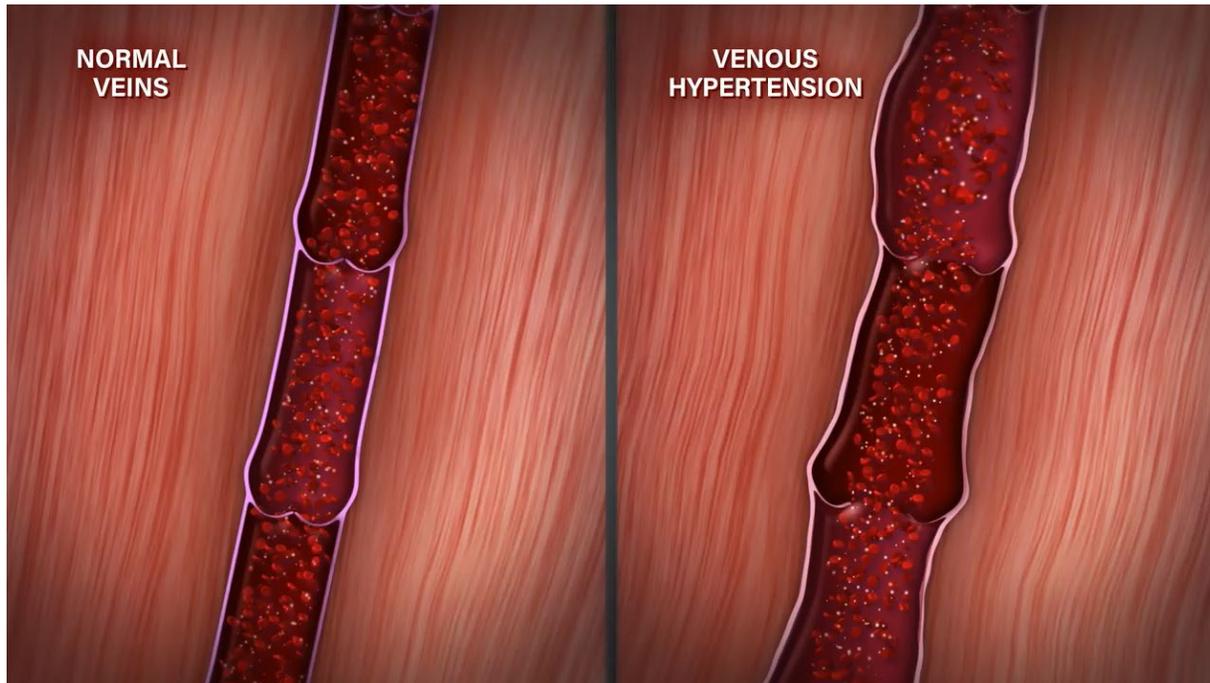
VenoValve



View Video

Chronic Venous Insufficiency (CVI)

Occurs as a result of increased venous pressure (venous hypertension) within the veins of the leg, most often caused by failure of valves within the veins



Leads to:

- Reflux – blood flows in the wrong direction
- Blood pooling in the lower leg
- Venous hypertension
- Pain
- Edema
- Ulceration

CVI Patients Need an Effective Treatment

~2.4M

People in the U.S.¹



~\$30k

Spent on wound care per patient per year²



20-40%

1-Year ulcer recurrence¹



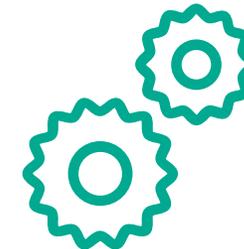
~\$30B

Direct medical costs²



~40%

More workdays missed³



1. Yost, Mary, The Sage Group, Chronic Venous Disease, Epidemiology, Costs, and Consequences, 2016
2. Sachdev, Ulka, et. al. Suppressed Networks of Inflammatory Mediators Characterize Chronic Venous Insufficiency, Journal of Vascular Surgery: Venous and Lymphatic Disorders, May 2018
3. Rice, J. Bradford, Burden of Venous Leg Ulcers in the United States, Journal of Medical Economics, Volume 17, 2014

Deep Venous CVI: Current Standard of Care



Compression Garments

Leg Elevation

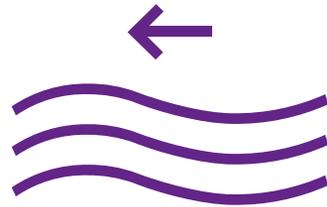
CVI: Trial Endpoints

Safety



Number device related adverse events

Reflux



Backwards flow of blood measured via a duplex scan

rVCSS (Venous Clinical Severity Score)



Progressive ranking of disease manifestations and severity

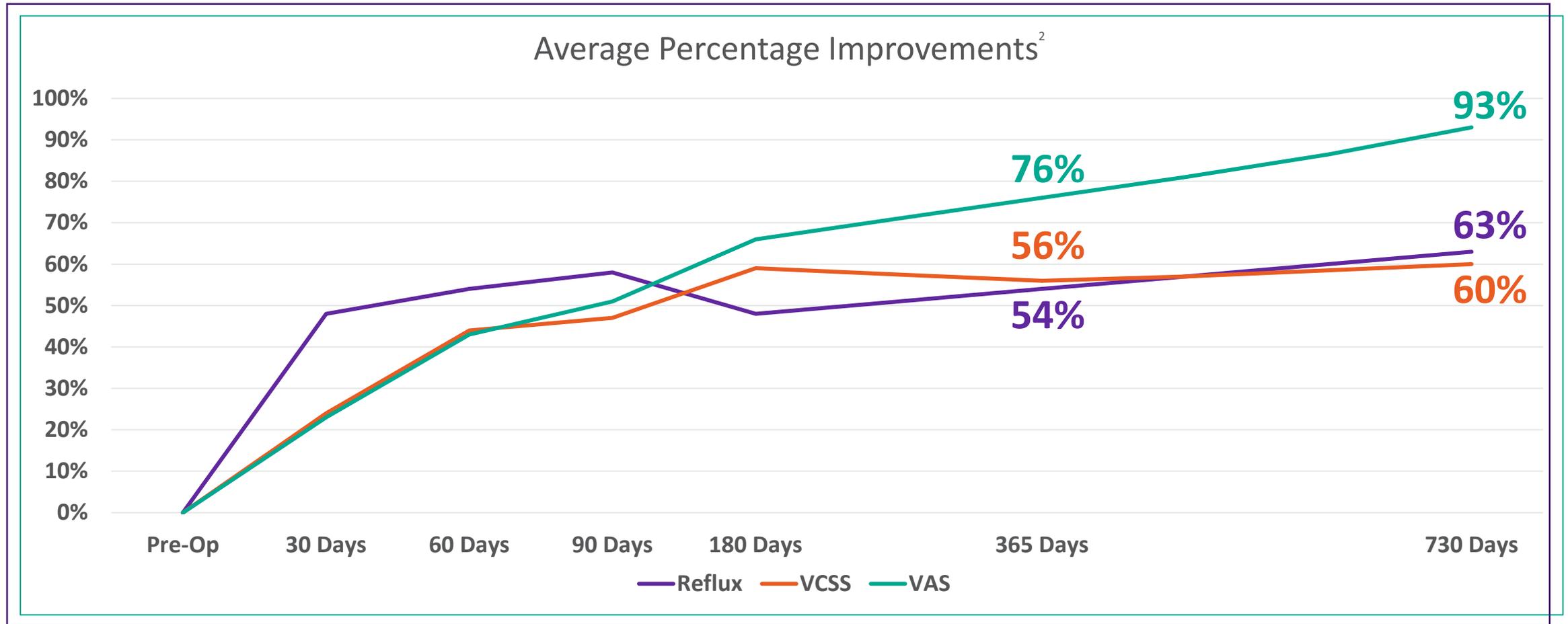
Pain VAS (Visual Analogue Score)



Numerical score of the severity of the perception of pain

Positive Results from First-In-Human Trial¹

Demonstrated Meaningful Improvements Across All Primary and Secondary Endpoints at Two Years



1. No device related adverse events. Safety issues in first year included 1 seroma (which was aspirated), 3 minor wound infections, 1 over anticoagulation and 1 occlusion due to patient non-compliance. No reported safety event between years 1 and 2.
2. One year results for 11 patients compared to Pre-VenoValve[®] implantation. Two year results for 8 patients compared to Pre-VenoValve[®] implantation



VenoValve Venous Ulcer Healing

Results from First-in-Human Trial



BEFORE



AFTER

BEFORE



AFTER



BEFORE



AFTER



SAVVE Upcoming Pivotal Trial

Full Enrollment Expected 1H 2022

Prospective, Non-Blinded, Single Arm, Multi-Center Study



75 Patients



Up to **20 Sites**
across the U.S.

Primary Safety
Endpoint

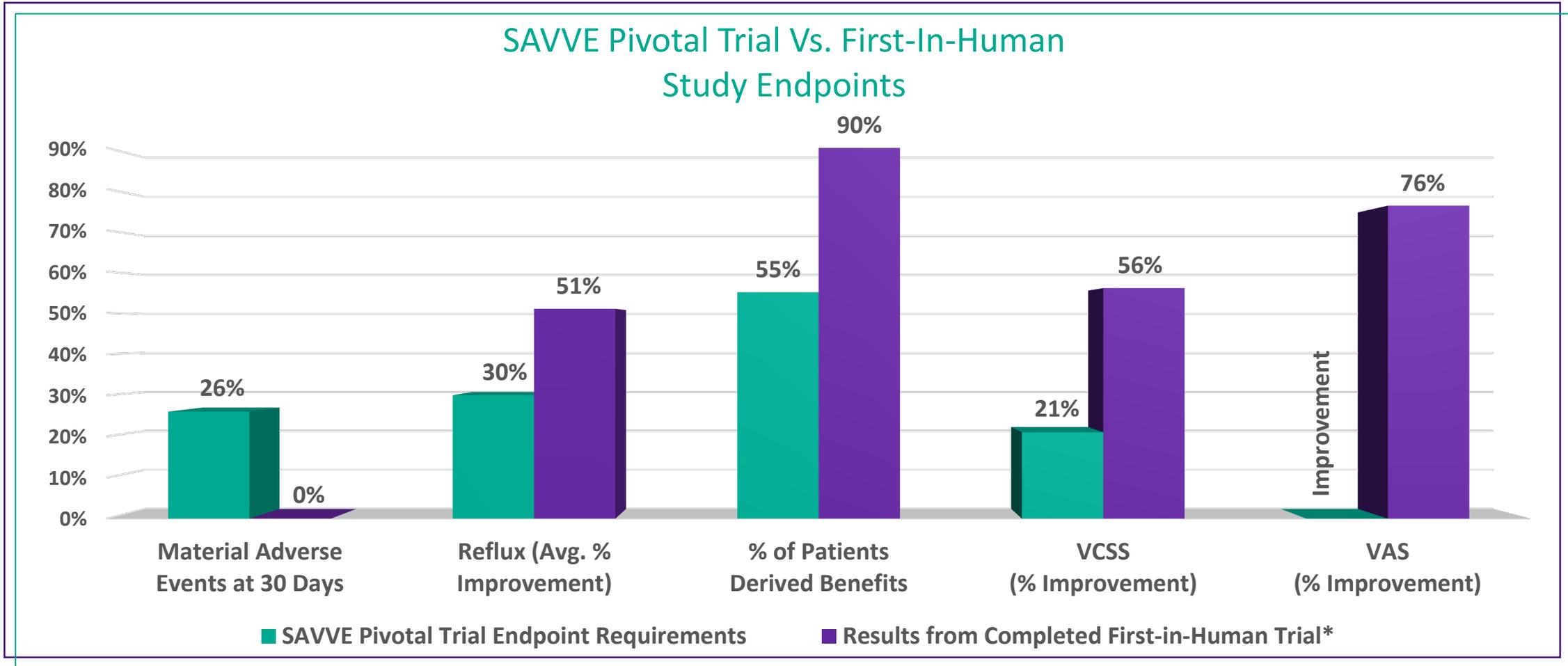
30 Days

Primary Efficacy
Endpoint

6 Months

Expect to Have Topline Safety and Efficacy Data Q4 2022

SAVVE Pivotal Trial Compared to First-In-Human





Commercial Strategy

Stakeholder Appeal

Patients



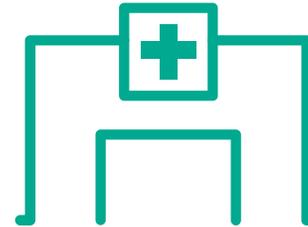
- Potential to cure debilitating disease
- No effective alternatives

Doctors



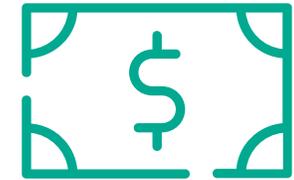
- No existing treatment
- Short learning curve
- Incremental revenue

Hospital (VAC)



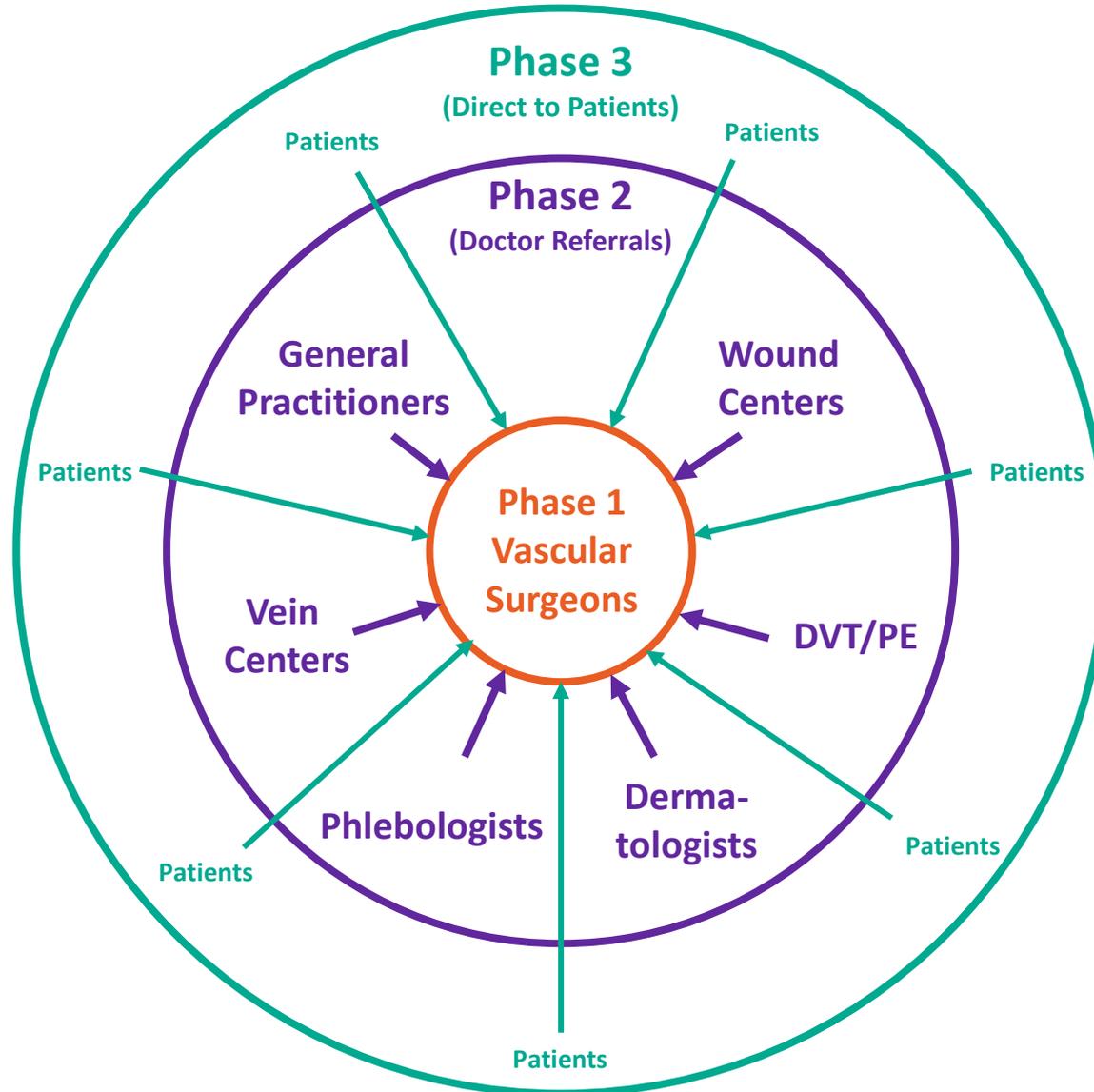
- No capital investment
- Profitable procedure
- Eliminate wound care

Payers



- \$30,000-year wound care
- High recurrence
- Society and KOL support

Focused Commercial Rollout Strategy

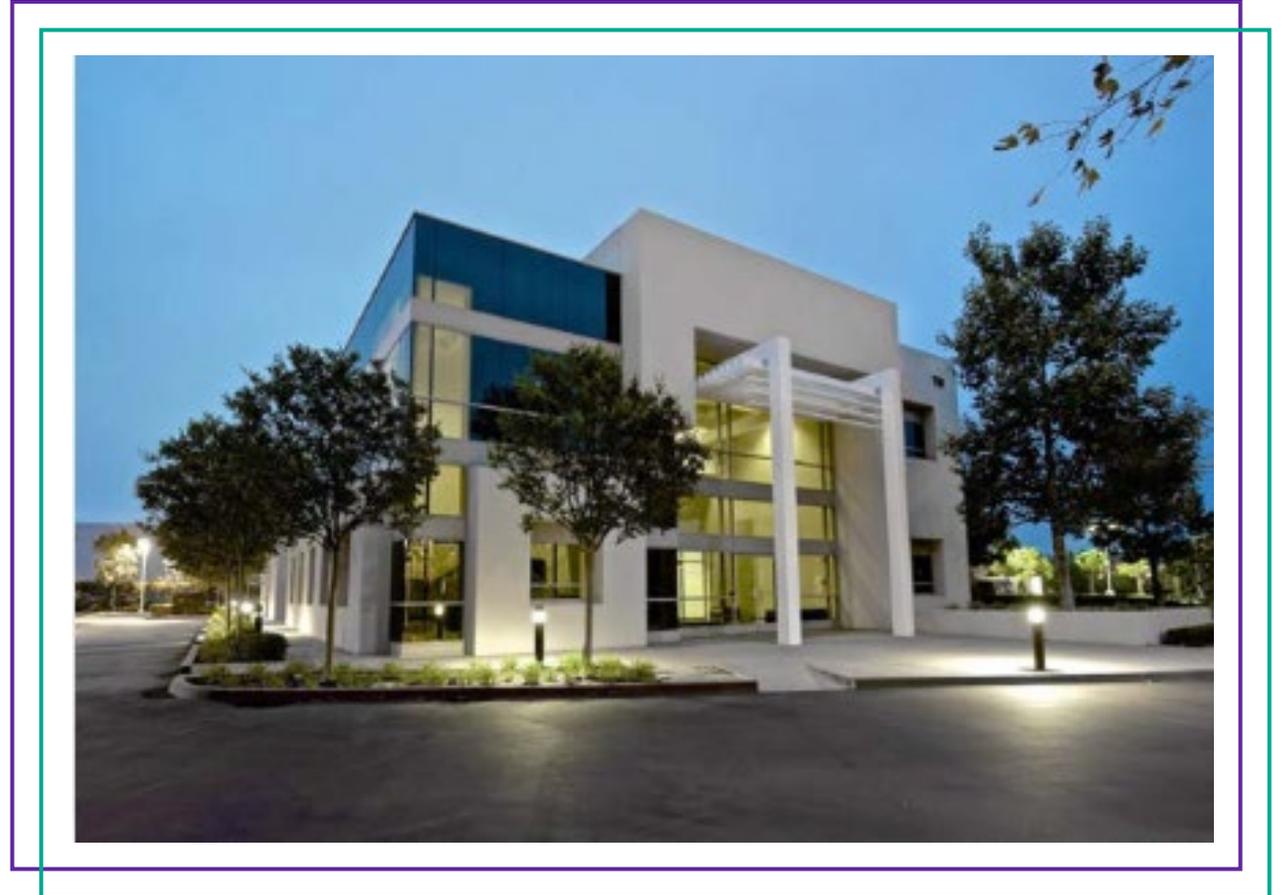


Commercial Manufacturing

14,000 square foot facility
in Irvine, CA

Capacity to support at least first 5
years of commercialization

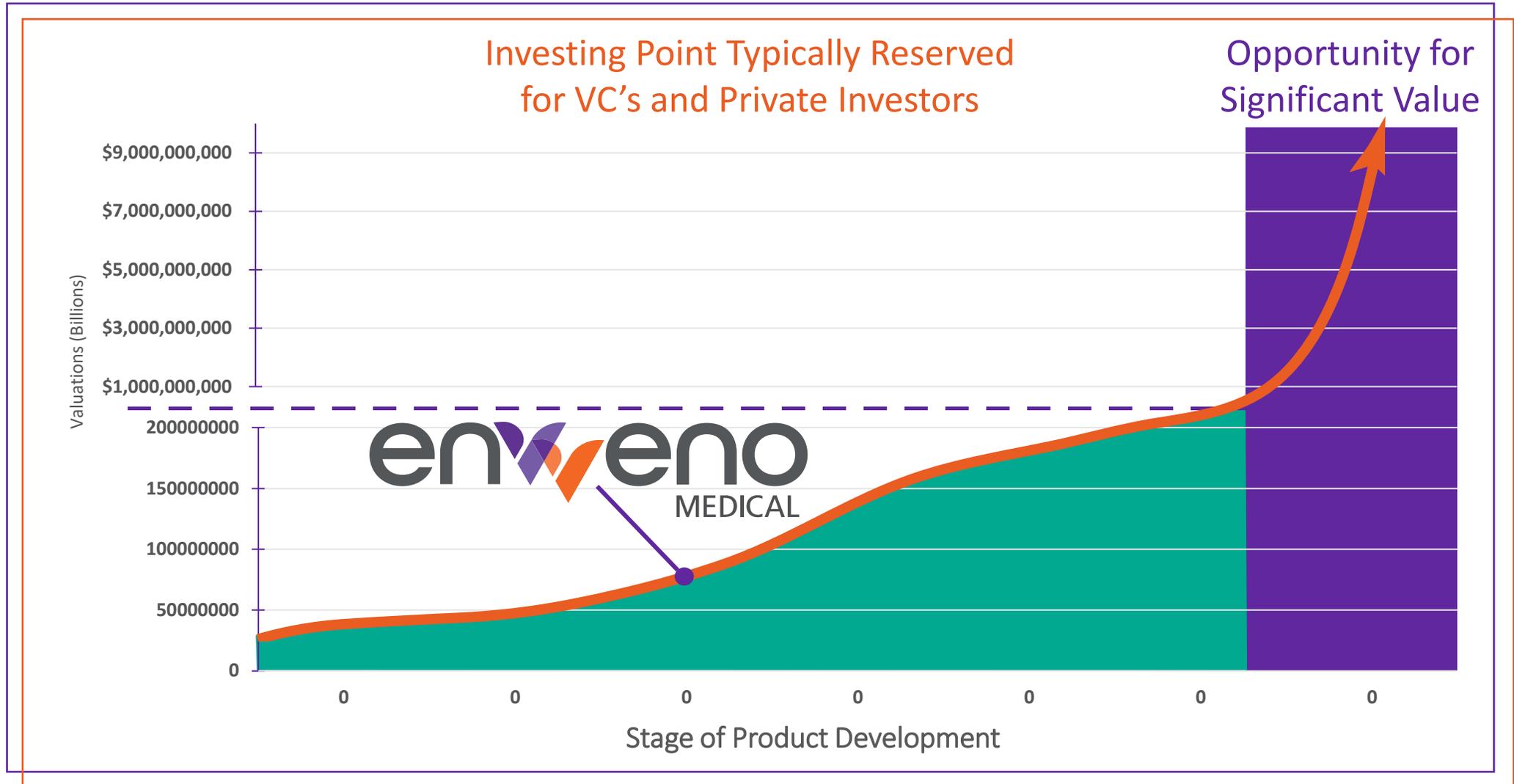
Limited capital investment in plant
and equipment for commercialization





Corporate Overview

Potential for Significant Value Creation



Financial Overview

Sufficient Capital to Fund Operations Through Topline Data of SAVVE Pivotal Trial



Cash Balance \$43M as of June 30, 2021	\$20M	Does not include net proceeds from Perceptive Advisors September 7, 2021
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\$0
Debt

~\$93M
Market Cap¹

~9.5M
Shares
Outstanding

~16.1M
Fully Diluted

Management Team



ROBERT BERMAN

Chief Executive Officer, Director

- Former CEO – Anixa Biosciences (Nasdaq:ANIX)
- Former COO Acacia Research Corporation (Nasdaq:ACTG)
- B.S. Wharton, Univ. of Pennsylvania, JD Northwestern Law



DR. MARC GLICKMAN

Senior VP and Chief Medical Officer

- Board Certified Vascular Surgeon
- Director of Vascular Services – Sentara Health Care
- Past President – Vascular Society of America



DR. HAMED ALAVI

VP Research and Development

- Edwards Lifesciences, Medtronic
- PhD Biomedical Engineering – U.C. Irvine
- M.S. Biomedical Engineering, B.S. Mechanical Engineering



CRAIG GLYNN

Chief Financial Officer

- Over 30 years financial experience
- M.S. and B.S. Accounting – California State University Northridge
- Member – American Institute of CPAs

Collective Industry Experience



Board of Directors



DR. FRANCIS DUHAY

Director

- Former Chief Medical Officer – Edwards Lifesciences
- Expert in surgical and transcatheter heart valves
- General manager Acendra business unit



DR. SANJAY SHRIVASTAVA

Director

- Business Development – Johnson and Johnson
- 18 years – VP Marketing and Strategy, R&D
- BTG, Medtronic, Abbott Vascular, Edwards Lifesciences



MATTHEW JENUSAITIS

Director

- Chief of Staff and Chief of Innovation and Transformation – UC San Diego Health System
- Former President Boston Scientific – Peripheral Division
- Four successful vascular company exits



BOB GRAY

Director*

- Former Chief Financial Officer – Highmark, Inc.
- Health insurer with over 20 years subscribers
- Rate setting and reimbursement negotiations

*Chairman, Audit Committee

Collective Industry Experience



Upcoming Milestones



Potential for Huge Upside with Managed/Limited Risk
We Believe Upside Far Outweighs the Risk

Clinical

Demonstrated efficacy and safety
in first-in-human trial

Capital

Sufficient capital to fund
operations through topline
data of SAVVE pivotal trial

Execution

World-class team of executives
and advisors driving execution

The logo for enVeno Medical features the word "enVeno" in a dark grey, lowercase sans-serif font. The letter "V" is stylized with overlapping purple and orange shapes. Below "enVeno" is the word "MEDICAL" in a dark grey, uppercase sans-serif font. The background consists of large, overlapping, semi-transparent shapes in shades of purple, orange, and light peach.

enVeno
MEDICAL

Setting New Standards for Venous Care

Appendix

Cap Table

Common Stock Outstanding		9,466,240
Warrants		
Perceptive Pre-Funded Warrants*		1,759,035
Other Warrants		
Exercise Price:		
\$7	2,957,142	
\$7 - \$10	906,917	
\$10 - \$50	536,812	
> \$50	153,600	
Total Warrants		4,554,471
Equity Incentive Plan		386,096
Total Common Stock, Warrants and Options Outstanding		16,165,842
Total Authorized Shares		250,000,000
Preferred		10,000,000