

Paragate



Dr. Yair FeldMedical Director & Founder



Nitai Hanani CEO & Co-founder

Snapshot

Founded 2016, Haifa, Israel,

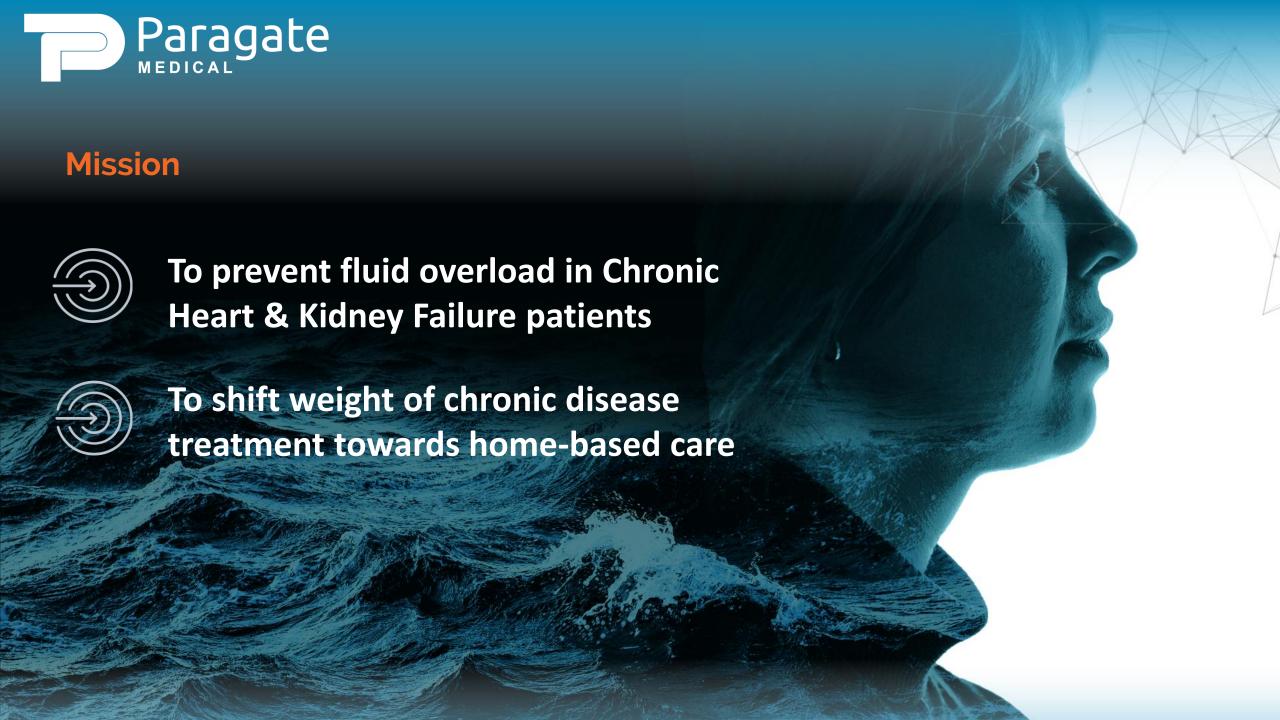
7 employees

\$4.5mn funding to date (including prestigious €2mn H2020 grant)

Status:

Preparing for first clinical trial





Severe heart failure fills your lungs with fluid until you

can't breathe.

Time and time again.



→ #1 Healthcare Burden







9 out of 10

HF admissions are due to congestion



24%

< 1-month readmissions

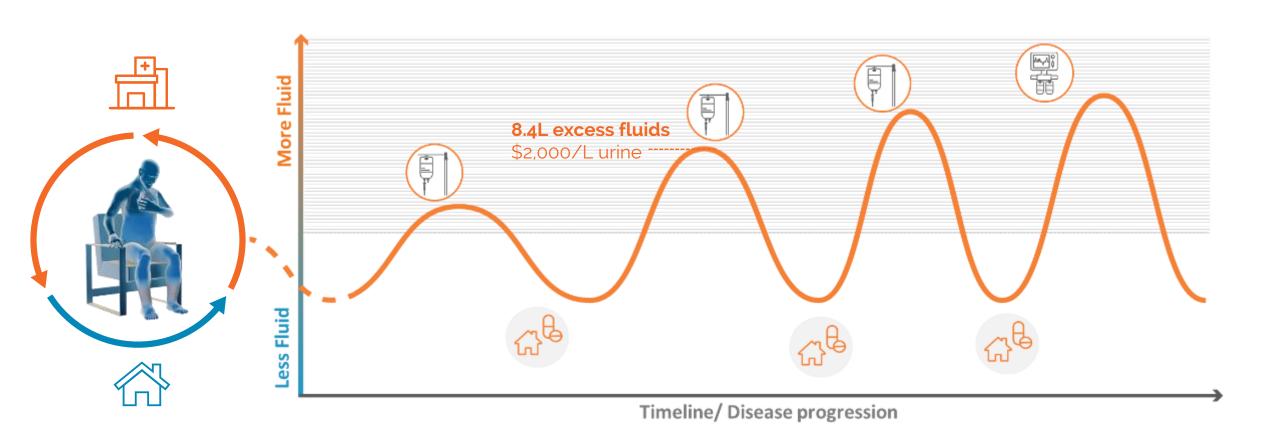


\$17B

cost of "frequent flyers" admissions in US alone

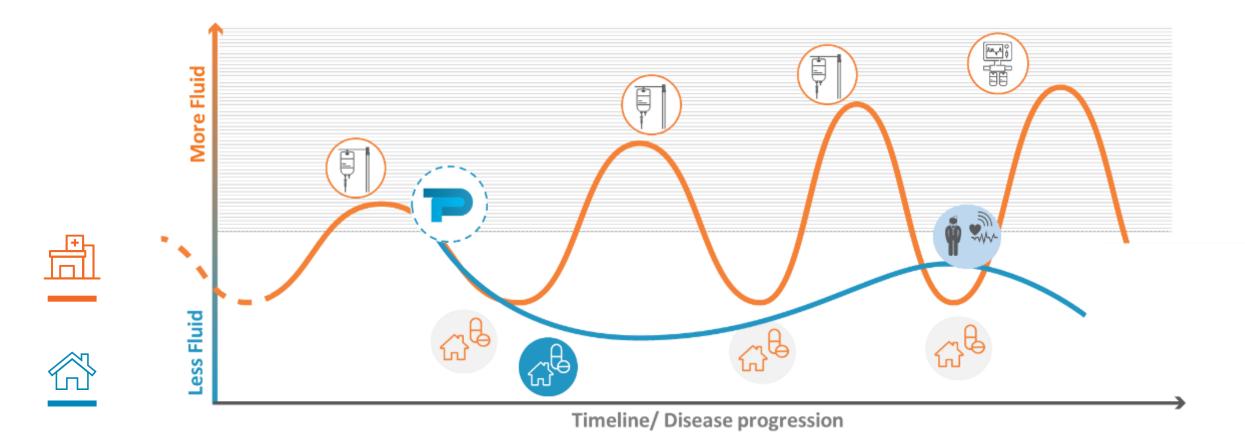
→ No Chronic Solution for the "Frequent Flyers"





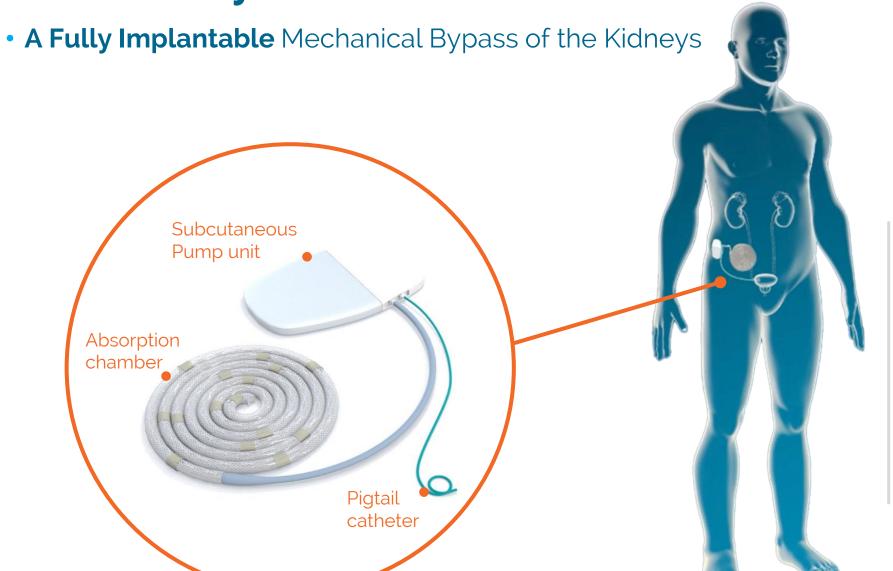
→ Approach: Just Don't Let the Fluids Accumulate





→ The IPUD System

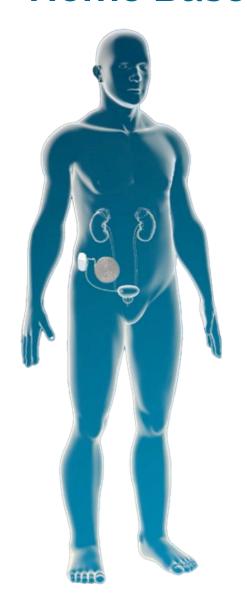


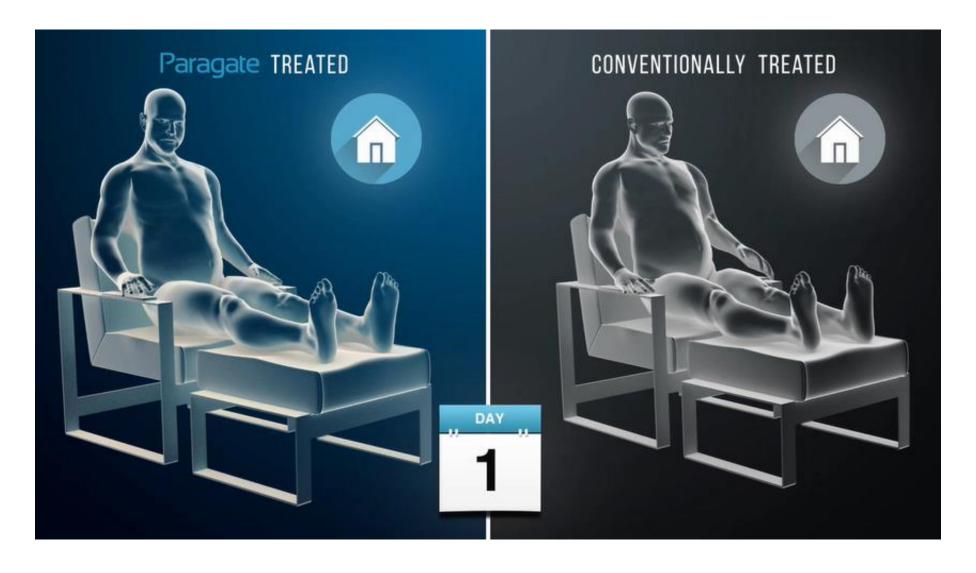


- Systemic <u>Isotonic</u> Fluids
- Wirelessly Configurable
- **Monitoring features**
- **No circulation contact**
- **Low infection risk**

— Home Based Solution







~ 24/7 Treated, 24/7 Monitored

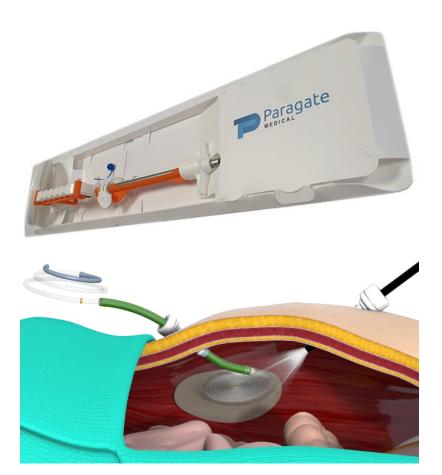


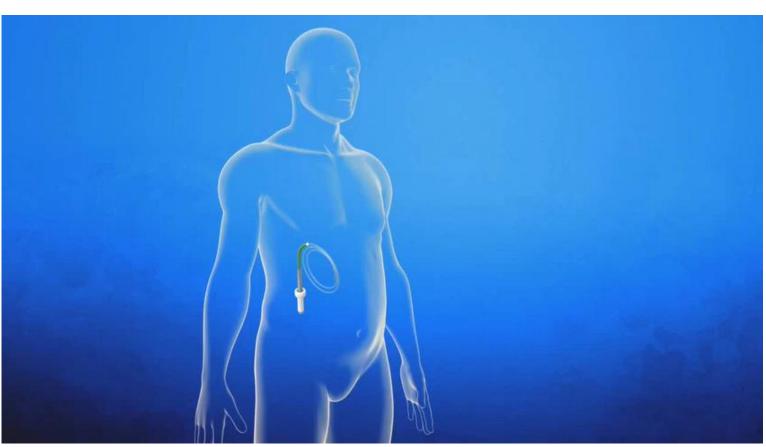


→ Laparoscopic Procedure



Short, Minimally Invasive, No Anchoring, Single Access

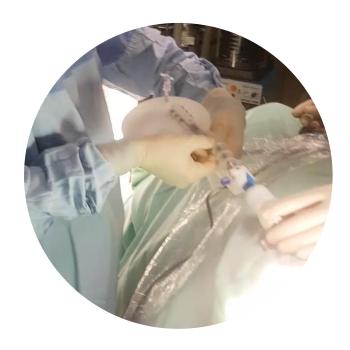




→ Development Status



Lap Procedure



Simple, intuitive and quick laparoscopic procedure, without intervention with circulation

Implantable, Wireless



Wireless Fully Implantable System 2 mo. Follow up, large animals 200-400ml/day of isotonic fluid (salts, toxins)

First in Human Prep.



Design Freeze of Gen.1 (partially implantable) for FIH trial. Ongoing GLP safety trial (12 animals) and validations

→ Value Proposition





Re-hospitalization

Quick Breakeven



Quality of Life ^

HF Exacerbation ▼



Burden of Care ▼
Patient Engagement

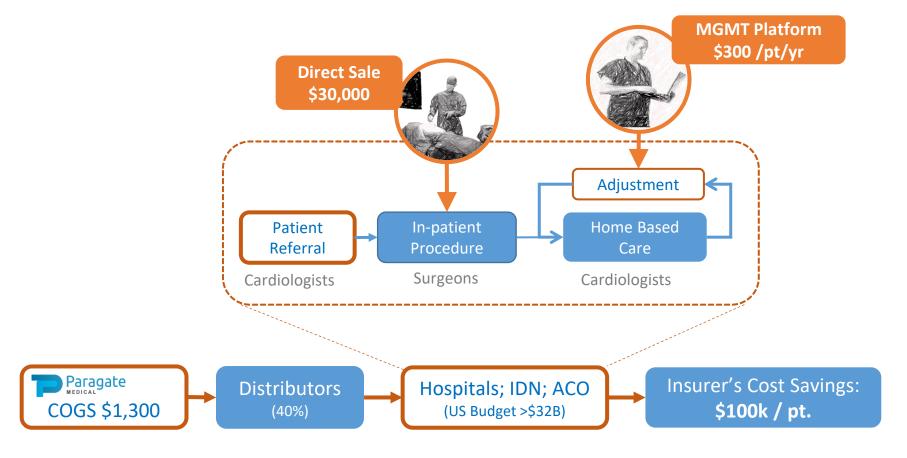
Cost Savings of \$100k per patient, billions to healthcare system



Business Model & Value Chain



Dual Revenue Stream:



Market:

Total Addressable Market

Advanced and wet heart failure pts. 4m pts. (15%) worldwide

→ \$120 billion



Serviceable Available Market

200,000 new incidents a year in EU, US

→ \$6 billion annually, 5% CAGR



Projected Sales

5,000 systems annually 15,000 licenses

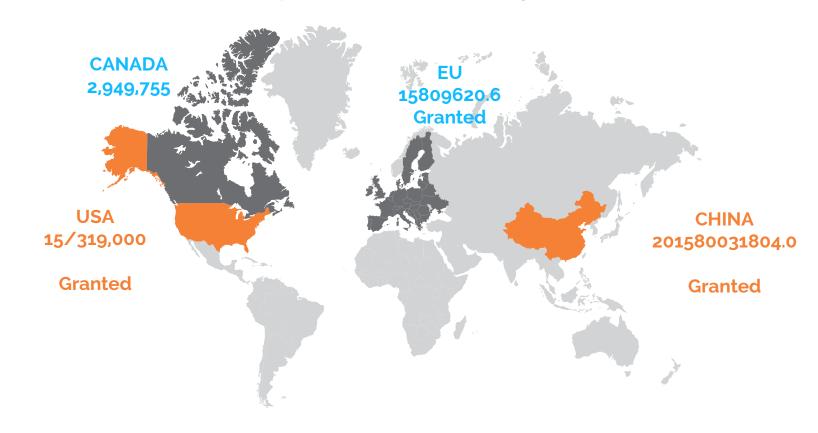
 \rightarrow \$155 million annually

→ Granted IP





WO2015193880 "Continuous Implantable Peritoneal Dialysis", priority June 2014





NP: IL2018/050525 (USP 62/505,931) "Implantable Fluid Extraction Systems" EU, US, CA, **JP**, CN; for particular designs & operation modes, priority May 2017

─ HF Decongestion Competitive Landscape





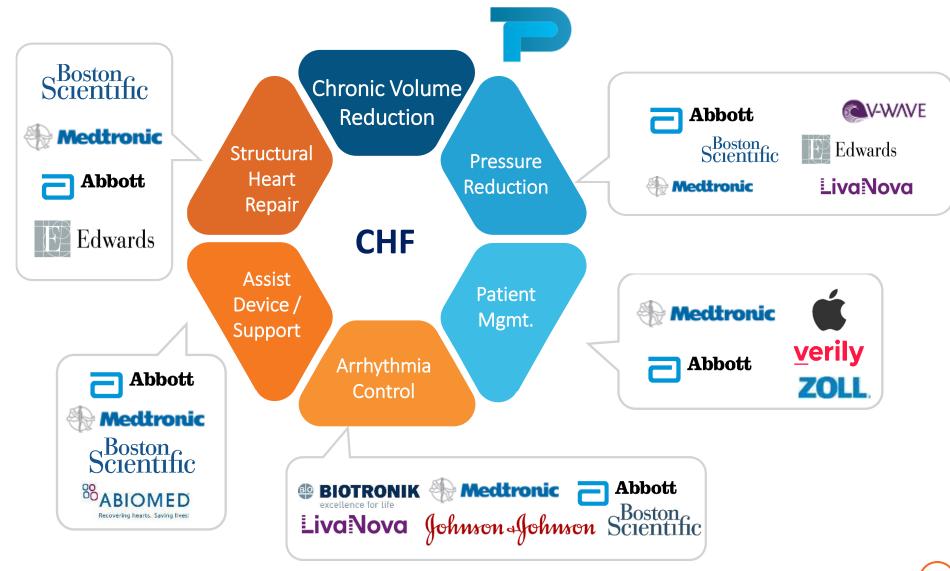




	Ultrafiltration, etc.	Peritoneal Dialysis	Semi-Implantable Dialysis	Implantable Ultrafiltration
Setting	Acute	Sporadic	Intermittent	Continuous
Patient Burden Free	××	××	×	\checkmark
Admissions Reduction	×	✓	\checkmark	✓ ✓
Infection Risk Free	✓	××	×	\checkmark
Blood Contact Free	×	✓	\checkmark	\checkmark

→ Landscape — The Missing Element





CKD (future device)

→ Main Indications







Chronic Heart Failure

Continuous, home based, active solution

Prevents frequent readmissions





End Stage Renal Disease

Solving the Inter-Dialytic Weight Gain (IDWG)

Shortens dialysis sessions & Improves throughput by 50%

→ Acknowledgement







2018 Top 25 Emerging Companies



Acceleration Programs









Lead Team



Yair Feld, MD PhD, **Founder, Medical Director**Cardiologist (Rambam, Sunnybrook) & Physicist
Serial Entrepreneur



Nitai Hanani, MSc, **CEO and Co-founder** 15 years in R&D, Eng. and Mgmt. positions Led development of world's 1st intravascular stimulator



Zohar Gendler, MSc MBA, Chairman of BoD
CEO NGT3 VC (Seed investor)
Former CEO Technion's Incubator (Mazor, Corindus, Prolor)



Nizar Mishael, CPA, CFO

18 years experience handling the finance in over 20 companies as managing partner of NGT3VC



Hernan Altman, BSc MBA, **Director**Director of Ophthalmic Programs, Lumenis
Led development of #1 TAVI, Led FDA trials of >1,000 pts.



Steve Whittaker, PhD, Clinical Affairs Lead
Former VP CA/RA for Sequana Medical
>20 years in LVAD applications (Heartware, Thoratec)

-Scientific Board



Prof. Piotr Ponikowski
Head of Dep. of Heart Diseases, Medical University,
Wroclaw, Poland. Chairman of ESC HF 2016 guidelines
Former president of HF Association



Dr. Maria Rosa Costanzo
Dir. of Heart Failure Program, Midwest Heart Specialists.
Dir. of Edwards Center for Advanced HF, Naperville, Illinois.
Worldwide Leading Researcher in Ultrafiltration Therapy



Prof. Uri Elkayam

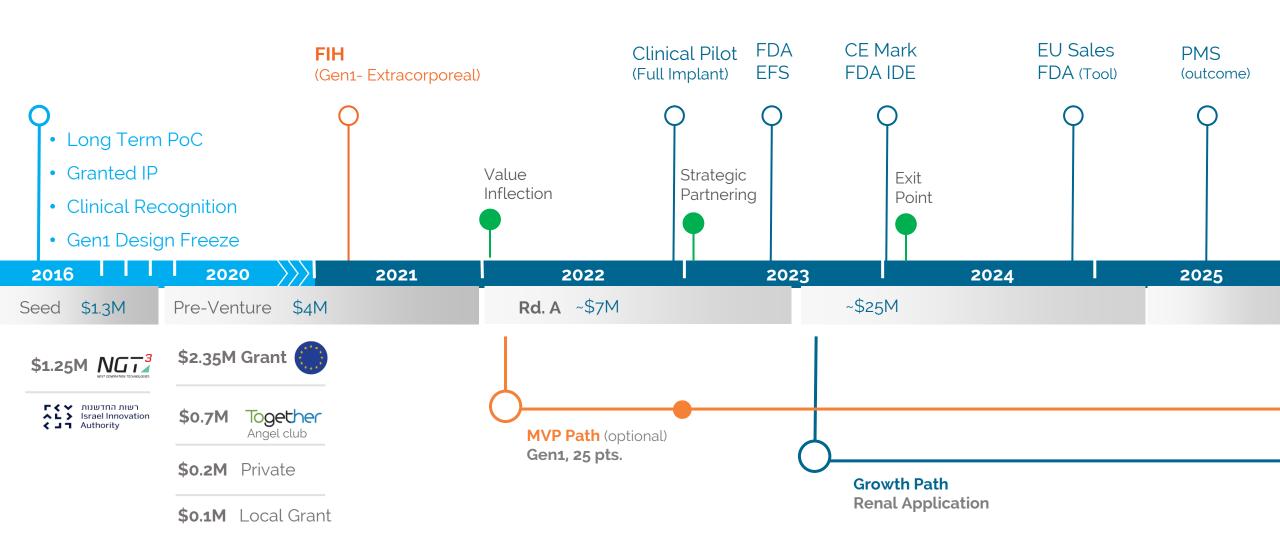
MD Professor of Medicine, Cardiac Care Unit, USC

Executive Council of the Heart Failure Society of America



→ Roadmap





Option to reach directly Rd. A and expedite product development Forward Looking Information for 2021 and on

─ Notable Exists in Heart Failure Space



Company	HF Focus	Exit value	Investments	Yrs. to exit	То	Exit MS
Cardiomems	Monitoring, Implantable	\$463M	\$231M in 9 rds.	13	St. Jude	FDA, CMS
Corventis	Monitoring, Wearable	\$150M	\$27M in 2 rds.	7 from round B	Medtronic	FDA
BioControl	Treatment, Neuromodulation	\$550M*	\$90M	4**/9	Medtronic	IDE (FDA trial) completion
Heartware	Treatment, Ventricular Assist Devices (VAD)	\$1,255M	N/A	5 to IPO 12 to Exit	Medtronic	Multiple Portfolio, FDA, Marketing
Valtech	Treatment, Structural, Mitral and Tricupsid valve replacement	\$990M	\$70M	10	Edwards	CE
CardiAQ	Treatment, Structural, Mitral	\$400M	\$44.5M in <u>3 rds</u>	8	Edwards	Pre-IDE
Symetis	Treatment, Structural, TAVI	\$700M	\$77M in 3 rounds	8	Boston Scientific	CE (30 patients)
Twelve	Mitral Valve	\$458M	\$75M	6	Medtronic	10 patients study

—∘ Exits in Medical Devices



	PMA heavy regulation	510(k) simple regulation
Exists stage	Pre-FDA/Revenue	Post-FDA/Revenue
Median Selling Price	\$353M	\$135M
Median ROI	6.8x	3.6x
Median Exit Time	5,5 yrs.	9.1 yrs.









Supported by



















