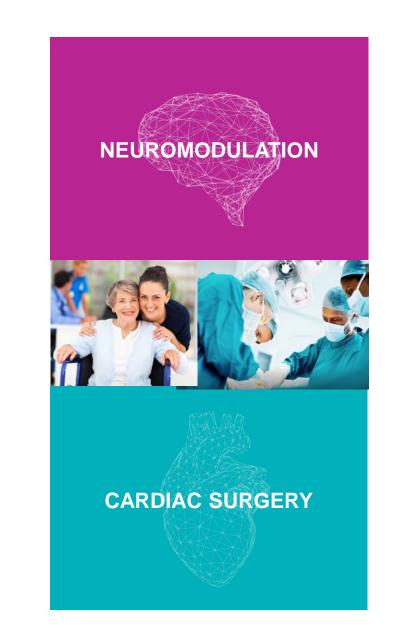


LivaNova Investor Day

Strategy **Damien McDonald** Chief Executive Officer

September 14, 2017



Safe Harbor Statement

Certain statements in this presentation, other than purely historical information, are "forward-looking statements" within the meaning of the Private Securities Litigation Reform Act of 1995, Section 27A of the Securities Act and Section 21E of the Securities Exchange Act of 1934, as amended (the "Exchange Act"). These statements include, but are not limited to, LivaNova's plans, objectives, strategies, financial performance and outlook, trends, the amount and timing of future cash distributions, prospects or future events and involve known and unknown risks that are difficult to predict. As a result, our actual financial results, performance, achievements or prospects may differ materially from those expressed or implied by these forward-looking statements. In some cases, you can identify forward-looking statements by the use of words such as "may," "could," "seek," "guidance," "predict," "potential," "likely," "believe," "will," "should," "expect," "anticipate," "estimate," "plan," "intend," "forecast," "foresee" or variations of these terms and similar expressions, or the negative of these terms or similar expressions. Such forward-looking statements are necessarily based on estimates and assumptions that, while considered reasonable by LivaNova and its management based on their knowledge and understanding of the business and industry, are inherently uncertain. These statements are not guarantees of future performance, and stockholders should not place undue reliance on forward-looking statements. There are a number of risks, uncertainties and other important factors, many of which are beyond our control, that could cause our actual results to differ materially from the forward-looking statements contained in this press release, including those described in the "Risk Factors" section of Annual Reports on Form 10-K, Quarterly Reports on Form 10-Q, Current Reports on Form 8-K, the Registration Statement on Form S-4 and other documents filed from time to time with the United States Securities and Exchange Commission by LivaNova.

The Company does not undertake or assume any obligation to update publicly any of the forward-looking statements in this presentation to reflect actual results, new information or future events, changes in assumptions or changes in other factors affecting forward-looking statements, except to the extent required by applicable law. If we update one or more forward-looking statements, no inference should be drawn that we will make additional updates with respect to those or other forward-looking statements. We caution you not to place undue reliance on any forward-looking statements, which are made only as of the date of this presentation.

We are a \$1.2B focused medical innovator

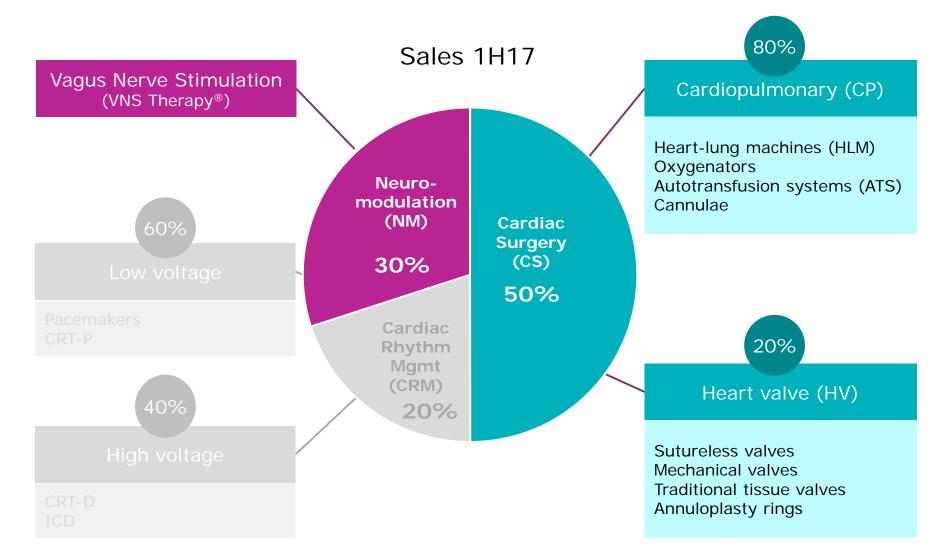
Improving quality of patients' lives

Strong leadership position in Neuromodulation and Cardiac Surgery

Targeting underserved and high-growth market segments



Leading positions in critical areas of treatment





CRT-P = Cardiac Resynchronization Therapy Pacemaker; CRT-D = Cardiac Resynchronization Therapy Defibrillators ICD = Implantable Cardiac Defibrillator; Numbers are rounded for presentation purposes

Exploring strategic options for Cardiac Rhythm Management

Sharpening our focus on areas of strength and market leadership

Committed to ensuring portfolio is optimally positioned to deliver long-term value

CRM is no longer a fit within LivaNova's portfolio, but is a global business with attractive assets, a robust pipeline and growth potential

No timeline for completion of the process has been set

Do not intend to disclose further developments until a definitive decision has been reached





Committed to ensuring portfolio is optimally positioned to deliver long-term value

Leading positions in Neuromodulation and Cardiac Surgery

Innovative technology focusing on high-margin products

Targeting high-growth and underserved markets

Executing disciplined portfolio management to strengthen and enhance category leadership

New management team has strategy to deliver enhanced shareholder value

LivaNova: An attractive long-term investment

Focusing portfolio on "Head & Heart"

	NEUROMODULATION	CARDIAC SURGERY			
	NEUROMODULATION	CARDIOPULMONARY	HEART VALVES		
	Creator, leader of VNS Therapy	Market-leading positions	Only sutureless valve on the market		
Global Market (2016)*	\$4.1B	\$2.0B	\$1.7B		
Market Growth	Low-double-digit	Low-single-digit	Low-single-digit		
Sales (2016)*	\$350M	\$475M	\$140M		
Disease State	Drug-resistant epilepsy Treatment-resistant depression (TRD)	Coronary Congenital	ve disease / disease heart defect failure		
Customers	Neurologists Epileptologists Psychiatrists Neurosurgeons Patients	Perfusionists Cardiac Surgeons Cardiologists			

Our portfolio has multiple near-term growth drivers

NEUROMODULATION		CARDIAC SURGERY	
AspireSR [®] advances the science of VNS Therapy [®]	S5 [®] HLM reduces transfusions and improves recovery	Inspire [®] oxygenator provides personalized perfusion	Perceval [®] optimizes the surgical approach to sutureless aortic valve replacement
AspireSR MODEL 106 Cyberonics, Inc. Houston, Texas			
100,000 patients treated with VNS Therapy	40 years as market leader in heart-lung machines	750,000+ patients treated with Inspire	10 years of clinical use

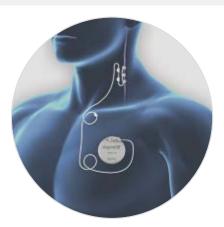
Our portfolio has multiple mid- to long-term growth drivers: strategic portfolio initiatives

TREATMENT-RESISTANT DEPRESSION

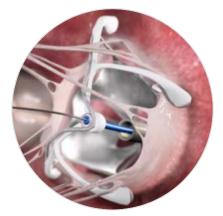
VNS Therapy may provide better outcomes and symptom improvement

TRANSCATHETER MITRAL VALVE REPLACEMENT

Unique transseptal investigational device



Depression is the leading cause of disability worldwide



2-3 times the size of aortic market opportunity

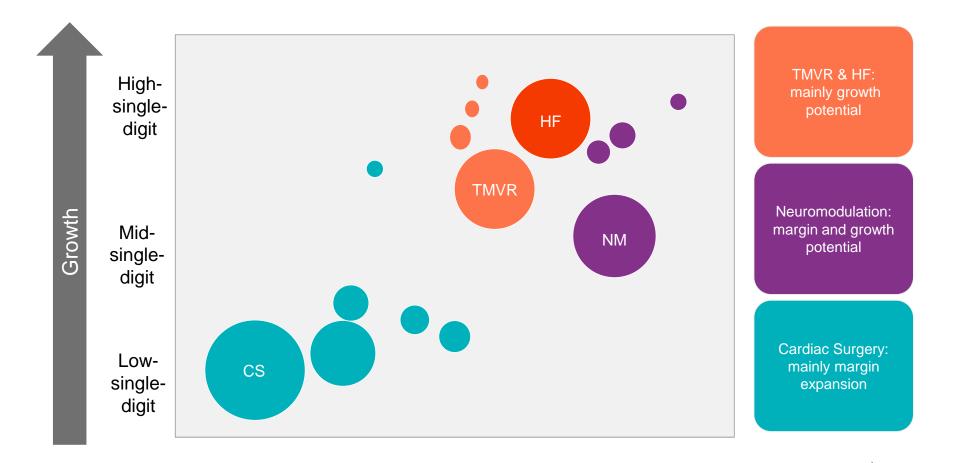
CHRONIC HEART FAILURE

Novel delivery of Autonomic Regulation Therapy (ART) may improve regulation of cardiovascular function



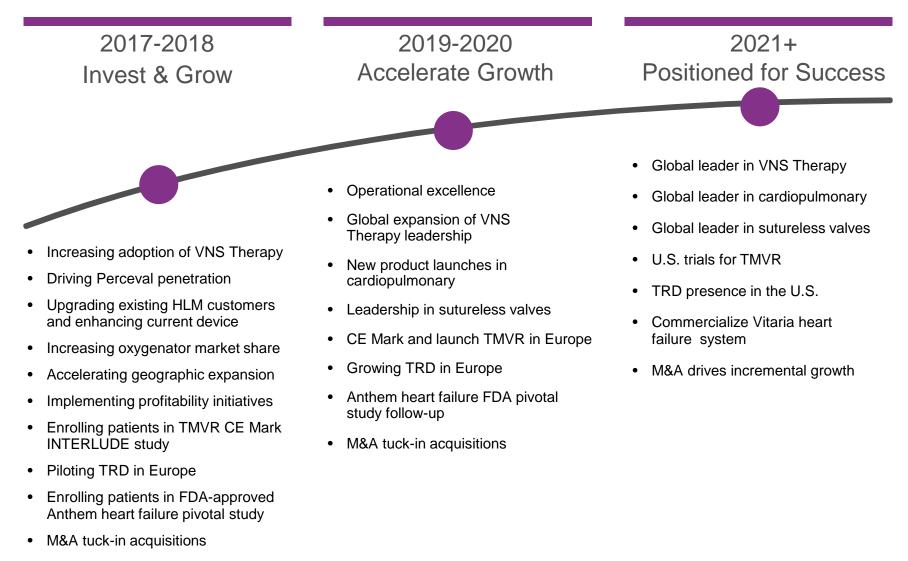
Leading cause of morbidity and mortality

M&A strategy targets growth and margin expansion



Profitability improvement

Clear roadmap for value creation



Four pillars to transform the organization

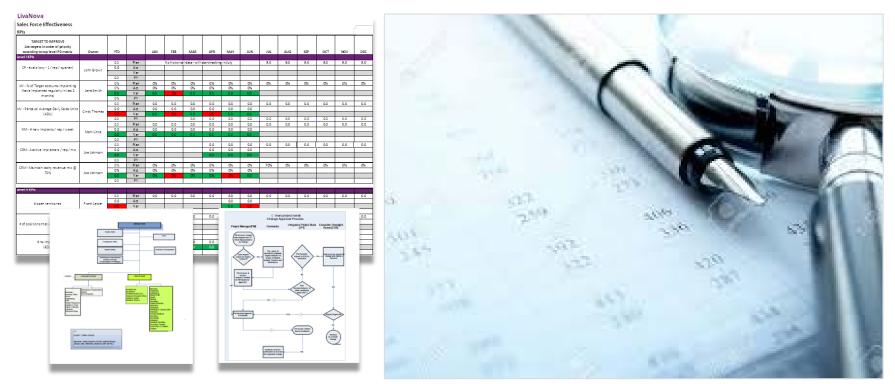


Strategy to accelerate growth

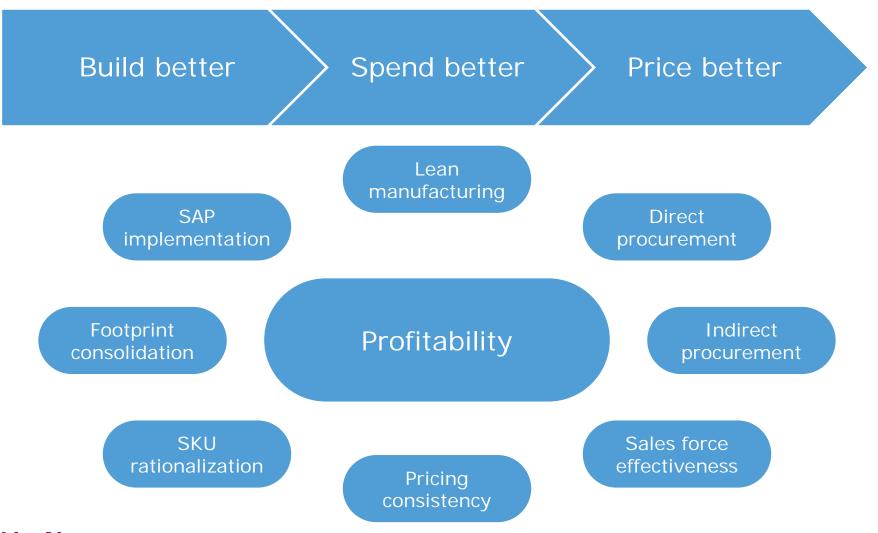
Drive demand

Build pipeline

Expand portfolio



Significant opportunities to improve profitability



Attracting new talent and developing existing talent



Creating a culture of continuous improvement



We are a compelling investment

Leadership positions in most of our served markets

Innovative products with patient/physician benefits

Significant barriers to entry

Opportunities for geographical expansion

Multiple drivers to accelerate growth

Executing on initiatives for margin expansion

We are poised for success

Growing	Top and bottom line	 Large, globally expanding markets Broad geographic presence Growing positions in head and heart Customer-centric innovation Realizing capital and operational efficiencies
Transforming	Organization	 Four pillars transforming organization Growth, profitability, talent, culture
Creating	Value	 Clear roadmap for value creation Invest and grow Accelerate growth Positioned for success

Liva Nova

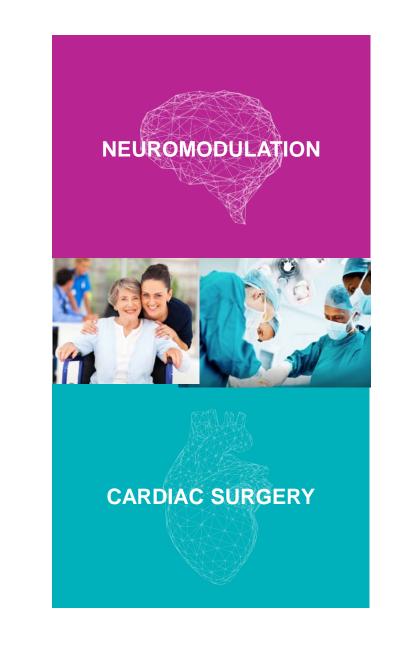
Health innovation that matters



LivaNova Investor Day

Financial Outlook **Thad Huston** Chief Financial Officer

September 14, 2017

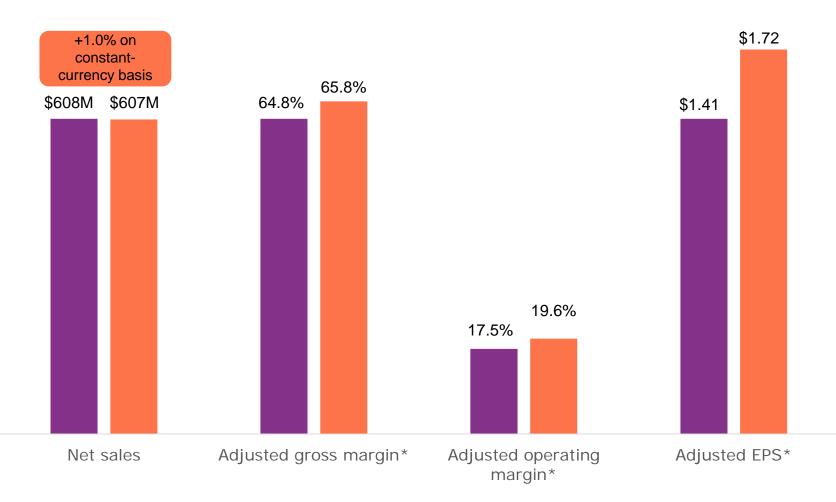


First-half 2017: measurable growth across the company



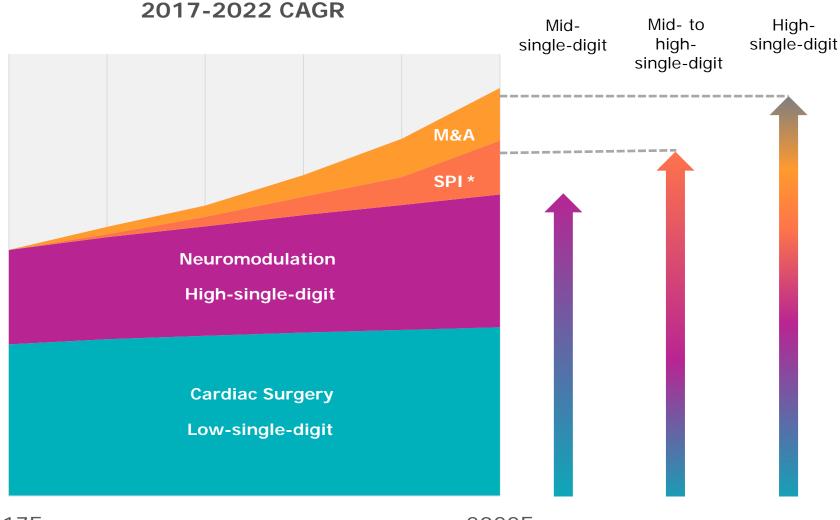
Improving margins and delivering on our commitments





* Gross margin, operating margin and diluted EPS are adjusted non-GAAP measures

Building a strong future through top line growth



2017E

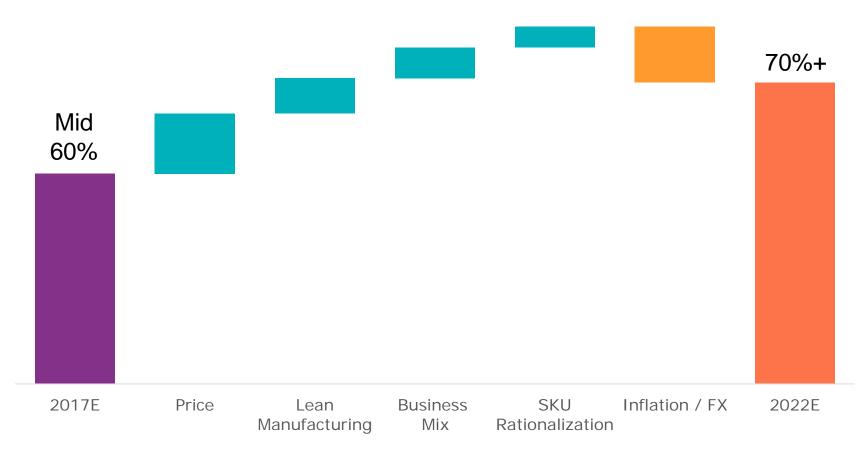
2022E

LivaNova

SPI = Strategic Portfolio Initiatives, which include Transcatheter Mitral Valve Replacement (TMVR), Treatment-Resistant Depression (TRD) and Heart Failure (HF)

Expanding our gross margins

Gross margin* as a percentage of revenues

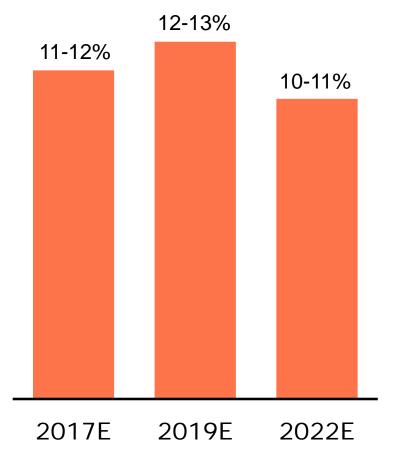


Executing on initiatives to drive profitability

1		Direct procurement	Central purchasing aligned by common strategy across functions			
2	COGS	Lean manufacturing	Identify and replicate best practices, apply strict performance management			
3	0005	SKU rationalization	Streamlining product portfolio and focusing on high gross margin products			
4		Footprint consolidation	Global real estate review, including facilities and offices			
5		Indirect procurement	Comprehensive focus on vendor negotiations and management			
6	SG&A	SG&A post-merger integration	A global integrated shared services model for finance, HR, IT and marketing			

Invest in R&D today to drive growth tomorrow

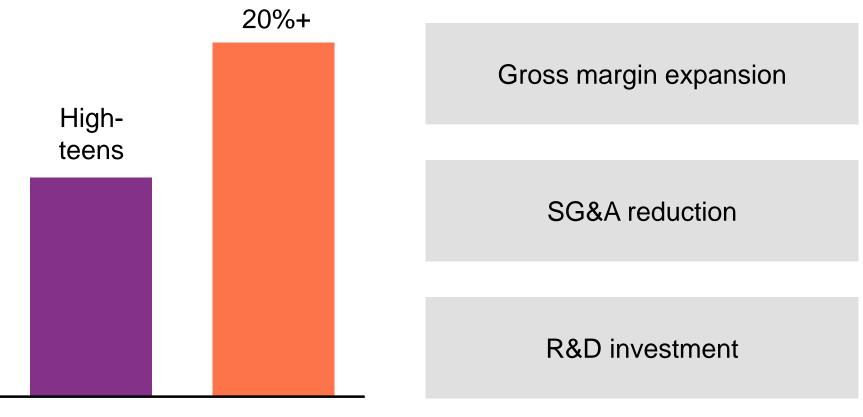
R&D* as a percentage of revenues



- In 2016/2017, prior to Caisson acquisition, R&D* expense was 9-11% of net sales
- R&D profile will increase midterm to support investment in portfolio expansion
- Expanding margins enable longer-term R&D investments

Expanding operating margins

Operating income* as percentage of revenues



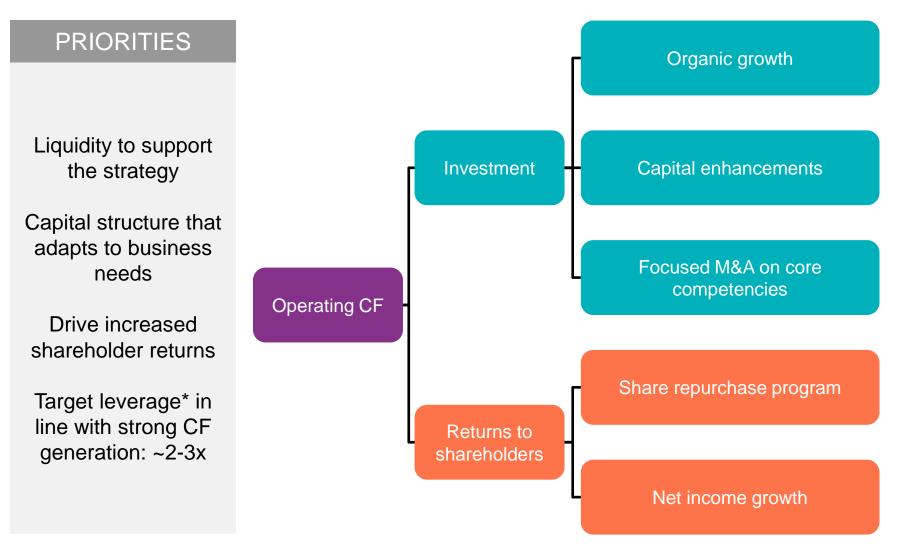
2017E 2022E

Liva Nova * Operating Income is an adjusted non-GAAP measure

Projecting strong growth in earnings per share



Focused capital allocation strategy



Delivering strong free cash flow* growth



2017E 2022E

Net income is a key driver of growth

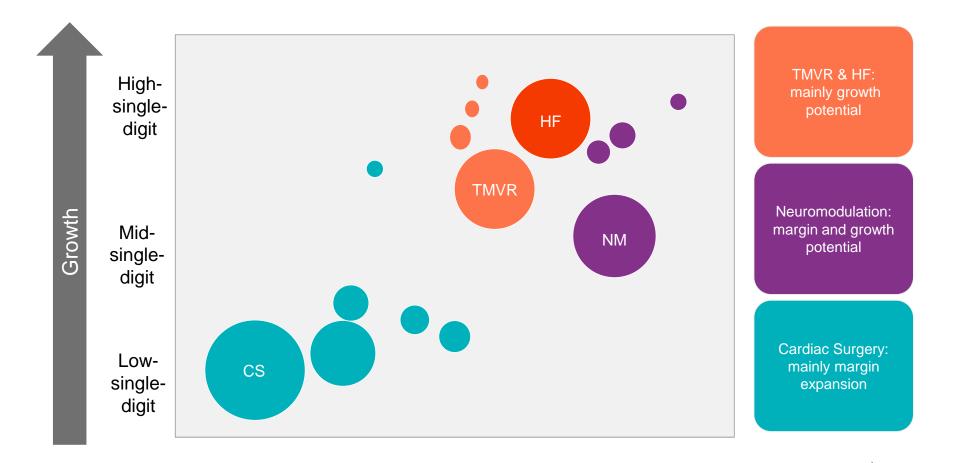
Improving cash conversion

Working capital improvements contribute to FCF through 2022

Future growth will support M&A

Liva Nova * Free cash flow is an adjusted non-GAAP measure

M&A strategy targets growth and margin expansion



Profitability improvement

Driving shareholder value creation

REVENUE GROWTH	Mid- to high- single-digit CAGR	 Large, globally expanding markets Broad geographic presence Accelerating growth through execution, innovation and M&A
EPS GROWTH	Low- to mid- teens CAGR	 Executing initiatives to improve profitability R&D investments drive future growth Driving toward peer margin benchmark levels longer term
CAPITAL ALLOCATION	Disciplined, focused deployment	 Plan to improve working capital Leveraging strong balance sheet Disciplined, focused M&A strategy

Liva Nova

Health innovation that matters

Appendix RECONCILIATION OF GAAP TO NON-GAAP FINANCIAL MEASURES (UNAUDITED)

			Income from		
Six Months Ended June 30, 2017	Sales	Gross Profit	Operations	Net Income	Diluted EPS
GAAP Financial Measures	\$606.5	\$395.2	\$49.7	\$58.8	\$1.22
Specified Items					
Merger and integration expenses (A)			4.8	3.6	0.07
Restructuring expenses (B)			11.3	9.1	0.19
Depreciations and amortization (C)		2.6	26.4	19.8	0.41
Product remediation (D)		0.9	0.9	0.7	0.01
Caisson acquisition (E)		0.2	12.1	(30.1)	(0.62)
Highlife impairment (F)				13.0	0.27
Other income / (expenses) & litigations (G)			5.5	0.5	0.01
Equity compensation (H)		0.1	8.6	7.1	0.15
Certain tax adjustments (I)				0.4	0.01
Adjusted financial measures	\$606.5	\$399.0	\$119.1	\$82.9	\$1.72

GAAP results for the six months ended June 30, 2017 include:

- (A) Merger and integration expenses related to our legacy companies
- (B) Restructuring expenses related to recent organizational changes and the shutdown of our CP plant in China
- (C) Includes depreciation and amortization associated with final purchase price accounting
- (D) Costs related to the 3T Heater-Cooler remediation plan
- (E) Impact of Caisson related acquisition costs, including \$10.9m related to R&D and \$1.0m related to merger and integration costs
- (F) Impairment of investments and net receivables
- (G) Legal expense related to 3T Heater-Cooler defense and other matters
- (H) Includes \$8.1m related to SG&A, \$0.4m related to R&D, and \$0.1m related to COGS
- (I) Primarily relates to discrete tax items and the tax impact of intercompany transactions

Appendix RECONCILIATION OF GAAP TO NON-GAAP FINANCIAL MEASURES (UNAUDITED)

Circ Months Ended June 20 2040	Color	Create Draft	Income from	Nethersen	
Six Months Ended June 30, 2016	Sales	Gross Profit	Operations	Net Income	Diluted EPS
GAAP Financial Measures	\$608.0	\$352.2	(\$14.2)	(\$31.4)	(\$0.64)
Specified Items					
Merger and integration expenses (A)			13.0	11.1	0.23
Restructuring expenses (B)			32.8	30.5	0.62
Depreciation and amortization (C)		4.6	26.8	19.6	0.4
Product remediation (D)		1.6	1.6	1.0	0.02
Other income / (expenses) & litigations (E)			1.0	(0.4)	(0.01)
Impact of inventory step-up (F)		35.0	35.0	24.0	0.49
Equity compensation (G)		0.7	10.3	8.9	0.18
Certain tax adjustments (H)				6.2	0.13
Adjusted financial measures	\$608.0	\$394.1	\$106.3	\$69.5	\$1.41

GAAP results for the six months ended June 30, 2016 include:

- (A) Merger and integration expenses related to our legacy companies
- (B) Restructuring expenses related to our legacy companies
- (C) Includes depreciation and amortization associated with final purchase price accounting
- (D) Costs related to the 3T Heater-Cooler remediation plan
- (E) Includes a \$4.7m reimbursement of damages related to 2012 earth quake in Mirandola (Italy), a \$5.0 million write-off of receivables from Greek distributors and other minor litigations
- (F) Includes amortization of inventory step-up associated with final purchase price accounting
- (G) Includes \$9.0 m related to SG&A, \$0.6m related to R&D, and less than \$0.7m related to COGS
- (H) Primarily relates to discrete tax items and the tax impact of intercompany transactions

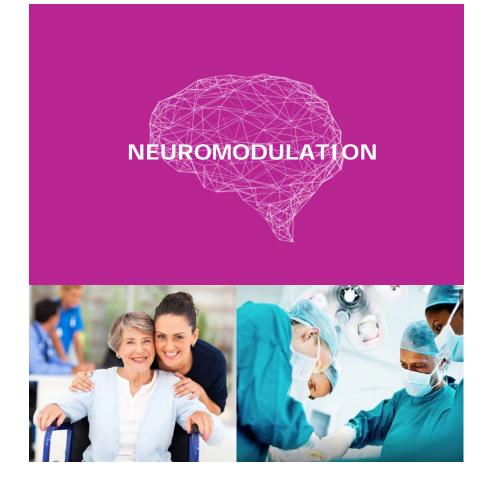


Health innovation that matters

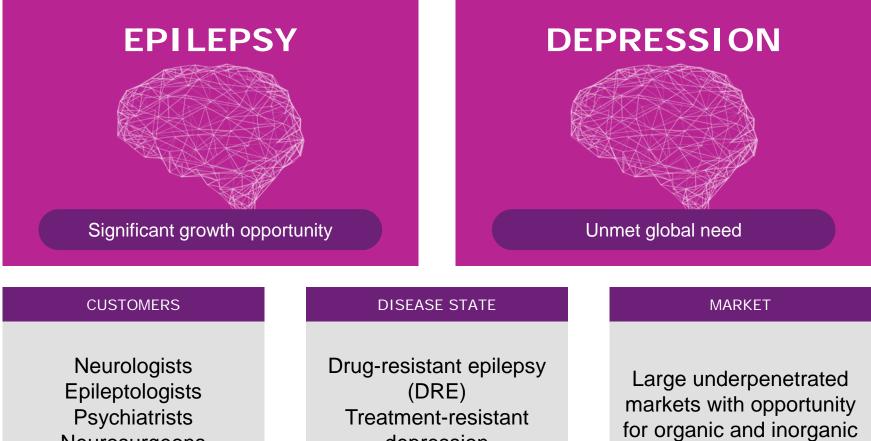
LivaNova Investor Day

Jason Richey General Manager, Neuromodulation & President, North America

September 14, 2017



We are the market leader in Vagus Nerve Stimulation (VNS) Therapy®



Neurosurgeons **Patients**

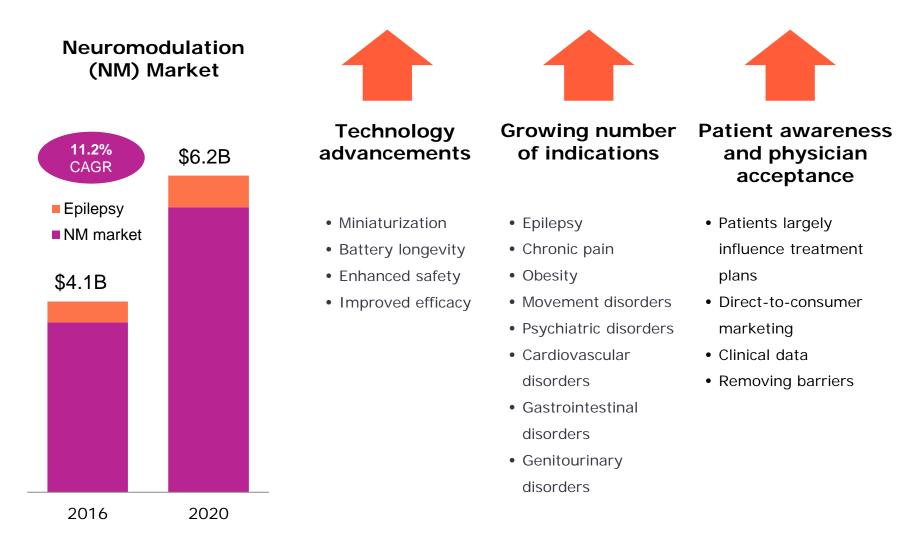
LivaNova

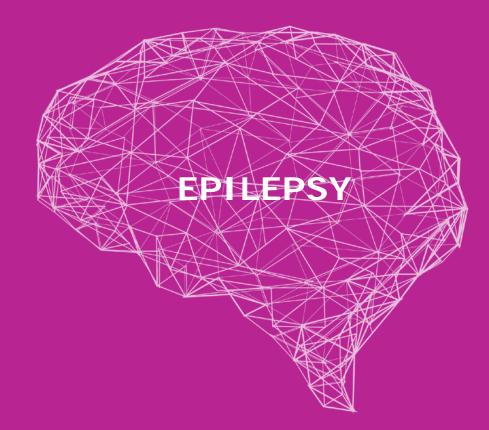
depression (TRD)

37

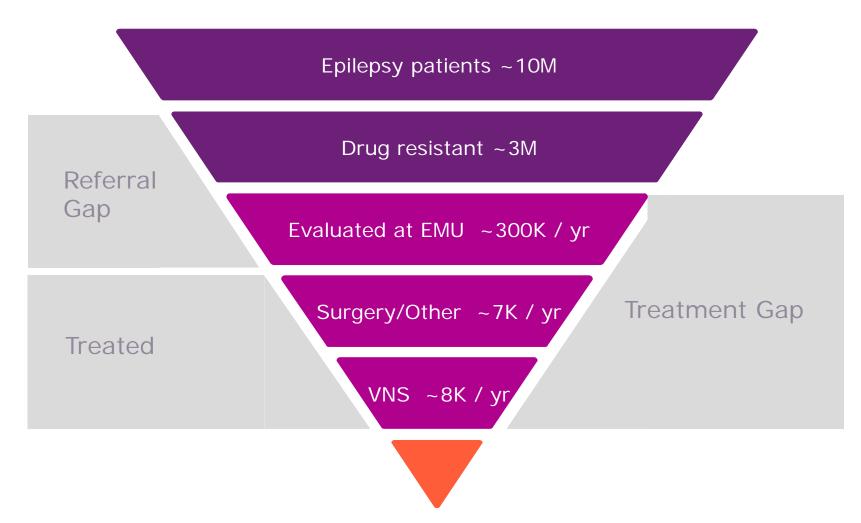
growth

Neuromodulation is a large and growing market





~35% of patients need treatment beyond medication Significant growth opportunity remains



LivaNova

Source: Prevalence data and approximations based on CDC; EMU = Epilepsy Monitoring Unit – contained inside a comprehensive epilepsy center, which is a specialized extensive center that focuses on treatments for epilepsy

Growing through innovation and patient awareness

Remove barriers	MRI (U.S. and OUS) and pediatric labeling expansions (U.S.)
Innovation	Maintain new product cadence every 12-24 months
International growth opportunities	Strategic targeting of key markets
Patient awareness	Direct-to-consumer marketing and clinical studies
Universal platform	Supports cost reduction and inorganic growth through M&A

Unlocking potential via labeling expansions

	FDA expanded VNS Therapy access to patients as young as age 4 (2017)
	OUS CE Mark approval with no age restrictions (1994)
Pediatric	Clinical data proves early adjunctive use yields better results
	Patients having seizures for <10 years respond better to VNS Therapy
	VNS Therapy has shown to help children reach important developmental milestones
	FDA approval and CE Mark for expanded MRI labeling (2017)
MRI	VNS Therapy continues to be the only implantable epilepsy device approved by FDA for MRI scans
	Patients now have access to 90% of MRI scans routinely performed on people with epilepsy
	Reduces average distance to MRI centers significantly

Source: Adapted from Englot DJ et al. NeurosurgClin N Am. 2011: 22:443-448; Orosz I et al. Epilepsia. 2014; 55(10): 1576-1584

Developing customer-centric innovation Providing ease of use, better patient care, cost effectiveness







SenTiva[™] innovations

- Senses bradycardia and tachycardia
- Monitors patient sleeping position
- Provides scheduled dosing
- Next-generation programmer
- New user interface on tablet
- Wireless wand

Future generations

- Auto gain control minimal device positioning by physician
- Microburst new vagus nerve stimulation method for different area of brain
- Wearable technology
- Patient apps and portals
- Cloud-based capabilities
- Data and analytics tools
- Comprehensive disease management

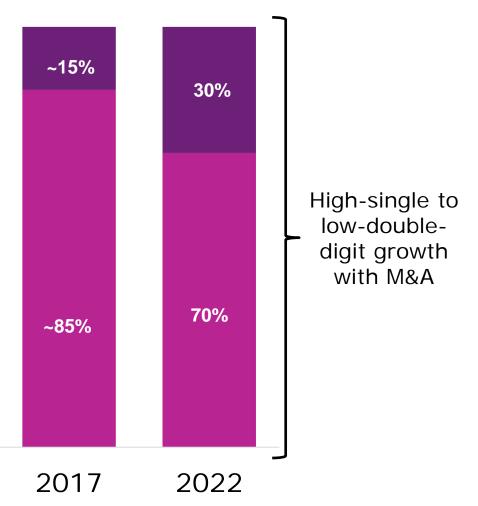
Targeting international markets More than 100K global patients treated



- Focused team with regional marketing
- Key markets: UK, Germany, Nordics, France, Japan



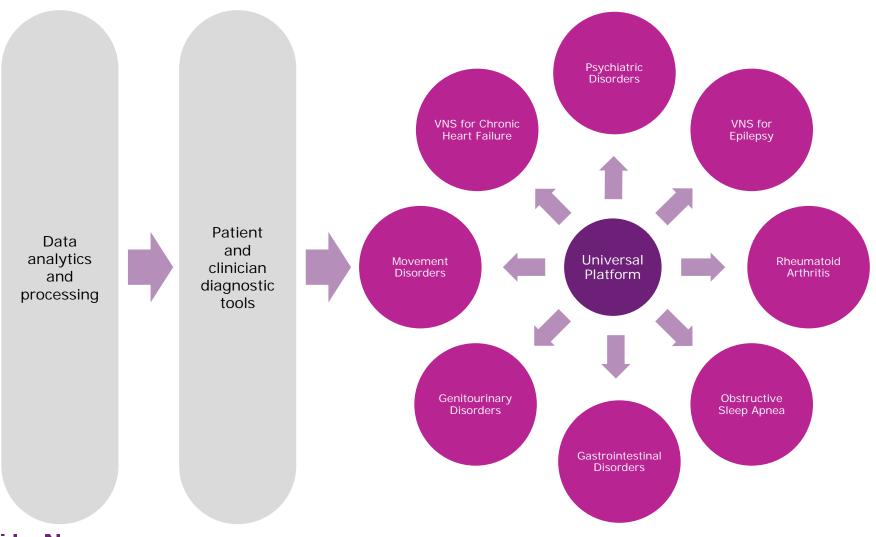
- Increase sales force
- Enhance R&D teams

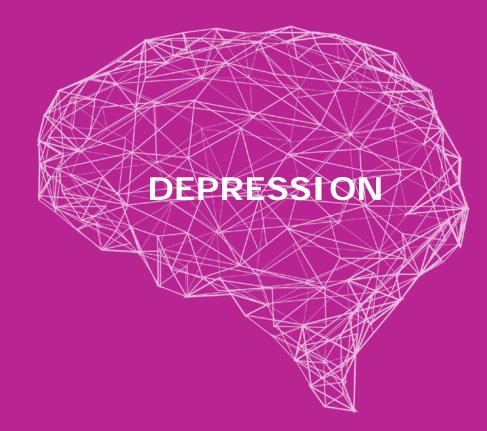


Clinical studies to further support adoption Our customers rely on data

 Prospective multi-center study Patients 4+ years VNS as adjunctive therapy Early use of VNS: Reduces seizures Reduces recovery time Improves cognitive results Enhances performance development 			
Multi-year Study			
Launches 2018			

Universal platform: foundation for additional indications





Depression affects patients in the prime of their life and burdens families and society

Depression	 300M+ patients globally Median age of onset: 25 years Fewer than half of patients receive treatment Leading cause of disability and major burden
Treatment-Resistant Depression (TRD)	 ~10-30% of patients with depression Median age 40+ after 2+ unsuccessful treatments (medications, psychotherapy, electroconvulsive therapy) More relapse, less remission, more side effects
VNS Therapy as an adjunctive treatment	 800 TRD patients with 4+ unsuccessful prior treatments for 5 years 40.9% responded with treatment as usual 67.9% responded with VNS Therapy

"We are **very encouraged** by the results of this unprecedented study, and hope that VNS becomes more readily available as a viable option for patients who have been through countless interventions for severe, chronic depression."

- Dr. Scott Aaronson, lead investigator, Sheppard Pratt Health System



Sources: Aaronson et al. American Journal of Psychiatry. 2017; 174(7): 640-48.; WHO Depression Fact sheet: http://www.who.int/mediacentre/factsheets/fs369/en/; RC Kessler and EJ Bromet. Annu Rev Public Health. 2013; 34:119–138.; Rush et al. Am J Psychiatry 2006; 163:1905–1917.; Rush et al. Psychiatric Annals. 2008; 38(3):188-193.; Gaynes et al. AHRQ Publication No. 11-EHC056-EF. September 2011.

Exploring options for LivaNova's TRD treatment

Received CE Mark in 2001

Received FDA approval in 2005

Currently have 4,000 devices implanted over ~18-month period

Started pilot trial in Germany in 1Q17

Planning scaled launch in other European countries where we have approval and reimbursement

Ongoing discussions with CMS to gain U.S. reimbursement approval

Summary: a pioneer in Neuromodulation with robust growth opportunities

Epilepsy	 Strong core growth driven by consistent product innovation Label expansion increases patient pool International expansion opportunities Inorganic opportunities drive high-single- to low-double-digit growth trajectory
Depression	 Massive market opportunity with unmet need 800+ TRD patients show positive results with VNS Therapy Piloting in selected European countries In discussions with CMS on reconsideration and coverage with evidence development in the U.S.
Future Technology Enhancements	 Universal platform Enhanced diagnostic capabilities Wireless Wearables Patient/physician apps Improved data and analytics

Liva Nova

Health innovation that matters



Health innovation that matters

LivaNova Investor Day

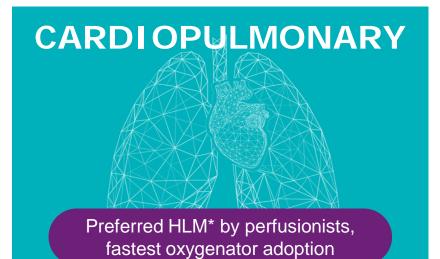
Alistair Simpson General Manager, Cardiac Surgery

September 14, 2017

CARDIAC SURGERY



We are a market leader in Cardiac Surgery



HEART VALVES

Differentiated in a large, growing segment: the only sutureless valve

CUSTOMERS

Perfusionists Cardiac surgeons Cardiologists

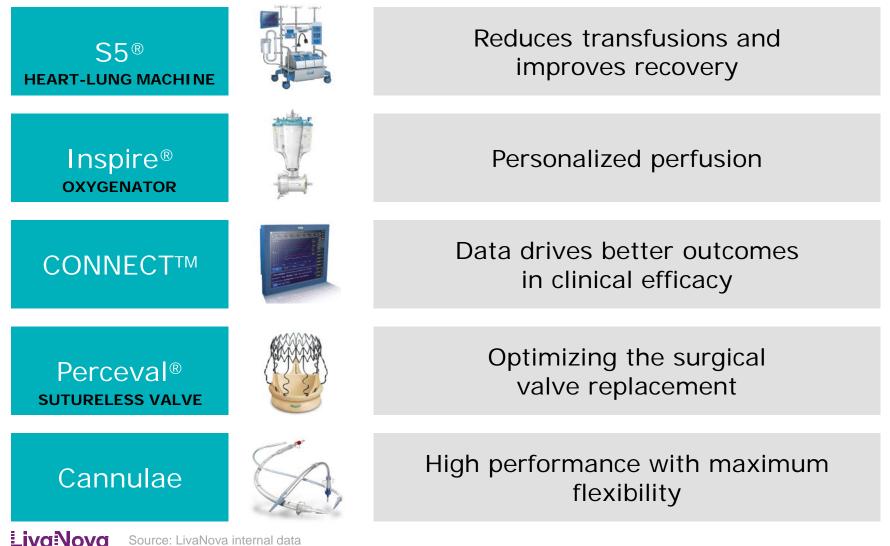
DISEASE STATE

Heart valve disease Coronary disease Congenital heart defect Heart failure

Large markets with opportunity for organic and inorganic growth

MARKET

We have a strong core foundation with key growth drivers

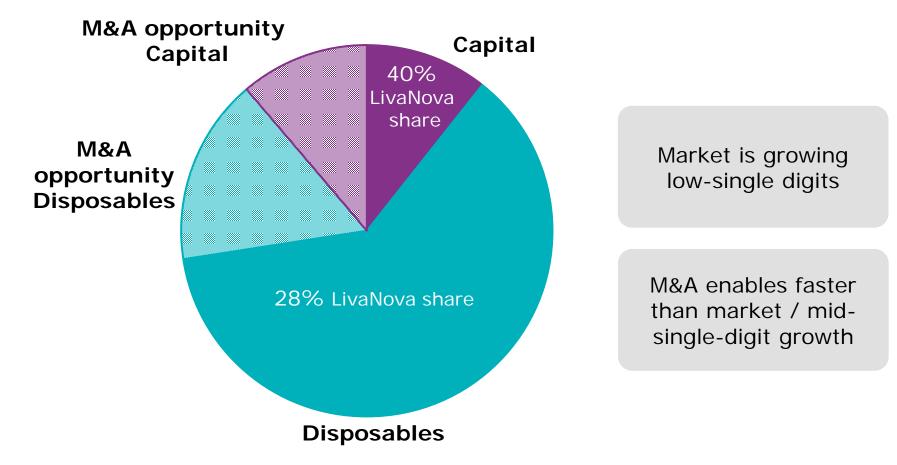


CARDIOPULMONARY



Large market with opportunity to further surround the perfusionist

\$2.3B market



LivaNova

Estimated total available market based on LivaNova internal research; Capital = HLM, Heater-Cooler, Autotransfusion System (ATS); Disposables = oxygenator, ATS, cannulae; M&A capital = In-line Blood Monitoring (ILBM), coagulation monitor and cerebral oximetry; M&A disposables = ECMO

Our HLM is the market leader



Near-term: commercial execution and S5 enhancements

Mid- to long-term: next-generation device

LivaNova

Reduces transfusions, better neurological protection

70% market share, available in 30 languages

Proven safety over 40 years

Robust, proven reliability, made in Germany

100% customizable, flexible, easy to use

Inspire ignited the fastest adoption of oxygenators



Near-term: commercial execution and leverage HLM footprint

Mid- to long-term: next-generation device; pediatric line extensions

LivaNova

Reduces transfusions, better neurological protection

30% market share, market leader

Broad choice from complete family of products

Fastest adoption ever, closing in on 1 million patients

100% customizable, flexible, easy to use

CONNECTing the cardiopulmonary workflow

Data is the driver for Goal Directed Perfusion



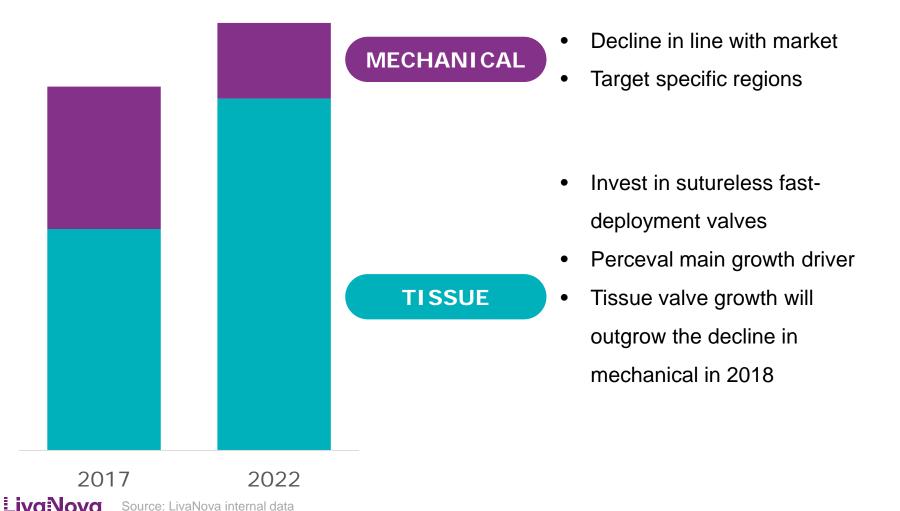
- One system connects data from all devices
- Automatic integration of perfusion data, patient parameters and product information
- Allows user to tailor perfusion to individual patient factors
- Improves patient outcome

Investing in the future of cardiopulmonary

		CLINICAL NEEDS	LIVANOVA SOLUTION
Capital	the the the	 MICS support Data compatibility with hospital systems Improved patient management 	 Near-term S5 enhancements Mid- to long-term next-generation S5 Next-generation Connect M&A capital opportunity
Disposables		 Patient safety Options for different surgeries Neurological protection 	 Next-generation Inspire Inspire pediatric MICS cannulae M&A disposable opportunity

Heart Valves

Tissue valves will be a larger component of the valve portfolio



Perceval: the only sutureless fastdeployment valve in the market

10+ years of clinical use/data



190+ publications

Enabler for minimally invasive procedures

Strong economic benefits

Our goal is \$80M by 2018

Recent studies continue to show clinical and economic benefits of Perceval

REVIEW ARTICLE

(Innovations 2017;12:155-173)

The Perceval Sutureless Aortic Valve Review of Outcomes, Complications, and Future Direction

Ramsey Powell, BEng,* Marc P. Pelletier, MD,† Michael W. A. Chu, MD,† Denis Bouchard, MD,§ Kevin N. Melvin, MD,// and Corey Adams, MD// Comprehensive systematic review of 9 years of studies, reports the following main findings for Perceval:

- **Simplify surgery** by reducing ischemic time in all procedures
- Facilitate MICS
- Show lower mortality and PVL vs TAVR

Surg Today DOI 10.1007/s00595-017-1516-8	CrossMark
ORIGINAL ARTICLE	
Hospital cost savings and other adv stented aortic valves for intermedia	

Tomoyuki Minami · Sarah Sainte^{1,2} · Herbert De Praetere^{1,2} · Filip Regu^{1,2} · Willem Flameng^{1,2} · Peter Verbrugghe^{1,2} · Bart Meuris^{1,2}

Real-life analyses imply cost compression benefits of Perceval vs Stented: **26% cost reduction** in favor of Perceval in Leuven, Belgium

Sutureless Valves Reduce Hospital Costs Compared to Traditional Valves

François Laborde¹, Thierry Folliguet², Gabriel Ghorayeb³, Konstantinos Zannis¹

¹Département de Pathologie Cardiaque, Institut Mustualiste Montsouris, Paris, ²CHU brahois, Institut Lorrain du Casor et des Vaisseaux Louis Maldieu, Vandouvre les Navay, Université de Lorraine, ³Service de Chirorgie Cardio-Nuculaire, Hôpital privé de Parly II. Le Chemay, Prance

The Journal of Heart Valve Disease 2017;26:1-8

Real-life analyses imply cost compression benefits of Perceval vs Stented: **15% cost reduction** in favor of Perceval in Paris, France

Validated by CMS NTAP approval

LivaNova

CMS = Centers for Medicare and Medicaid Services; NTAP = New Technology Add-on Payment; PVL = Paravalvular Leak; TAVR = Transcatheter Aortic Valve Replacement

Driving expansion and penetration of Perceval



Medium-term
 Larger sizes to increase addressable market
 Continued clinical and economic evidence to support efficacy Geographic expansion: Japan in 1H18

Summary: the market leader in cardiopulmonary and sutureless valves

	Cardiopulmonary	 Strong core business, significant market share Life cycle management and new product innovation enhances base business Inorganic opportunities drive above-market growth
	Valves	 Superior new technology sutureless valve Global expansion opportunities Small and growing position in large surgical market
	Execution	 Targeted new product development Commercial execution and operational excellence
Liv	/aNova	

Liva Nova

Health innovation that matters



Health innovation that matters

LivaNova Investor Day

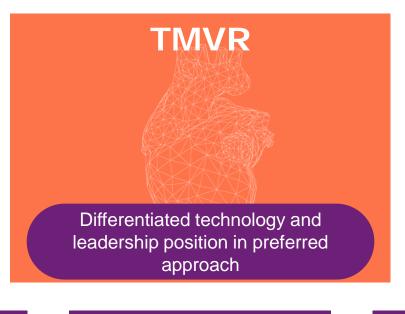
Paul Buckman General Manager, TMVR

September 14, 2017

TRANSCATHETER MITRAL VALVE REPLACEMENT (TMVR)



We are in a leadership position in TMVR

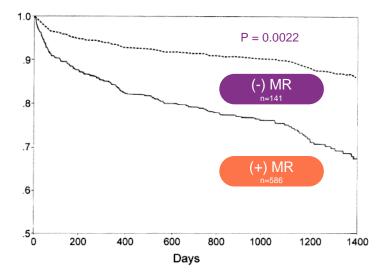


CUSTOMERS	DISEASE STATE		MARKET
Interventional cardiologists Cardiac surgeons Echocardiographers	Μ	itral regurgitation Heart failure	Potential to become 2-3 times the size of Transcatheter Aortic Valve Replacement (TAVR)

Mitral Regurgitation (MR) is a reliable predictor of health outcomes, including mortality

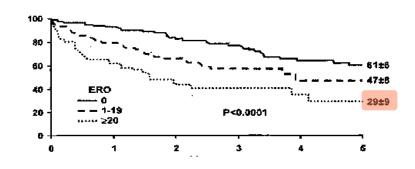
SAVE sub study, n=727

Cardiovascular survival



16 days after Q-wave MI, n=303, 194 with IMR

Survival, %



"Mild MR is an independent predictor of post-MI mortality."

Lamas et al: Circ, 1997;96:827

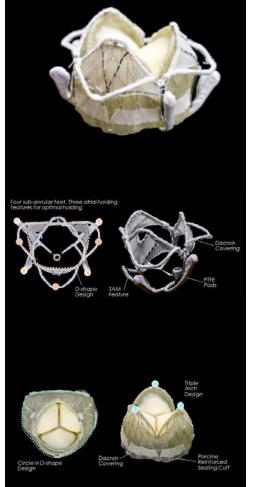
"The mortality risk is related directly to the degree of IMR."

Grigioni et al: Circ, 2001;103:1759

Surgical treatments are imperfect, creating opportunity for new interventional approaches

Established	Repair	"Gold standard"	Challenging surgery, 30%+ recurrence	0
(open chest)	Surgical (open chest) Replace C		Lifetime anticoagulation, poor tissue durability	
Emerging Interventional	Repair	Strong safety	Modest efficacy, 30%+ recurrence after 1 year	
(percutaneous) Replace		Open race for TMVR I outcome and ease		

LivaNova TMVR Concept



Delivery System

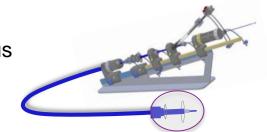
- Completely transvenous percutaneous approach
- 2-step implant
- Fully reversible

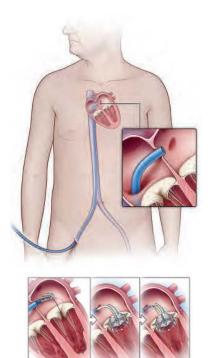
• Anchor

- 4 sub-annular anchoring feet
- SAM management feature
- Nitinol self-expanding frame
- Covered with polyester and ePTFE

Valve

- Porcine pericardium
- 3 leaflet circular valve, EOA>3.0cm²
- D-shaped outer stent
- Nitinol self-expanding





LivaNova TMVR Animation

TMVR is giving new hope to patients with little to no other options

Typical	patient

Female (79%), ~79 years old, generally too sick for surgery

Severe MR	Grade 3-4	100%
Heart disease	CAD	64%
	Previous procedure	55%
Heart failure	NYHA III/IV	81%
Pulmonary dysfunction	COPD	46%
Kidney disease	Renal insufficiency	46%

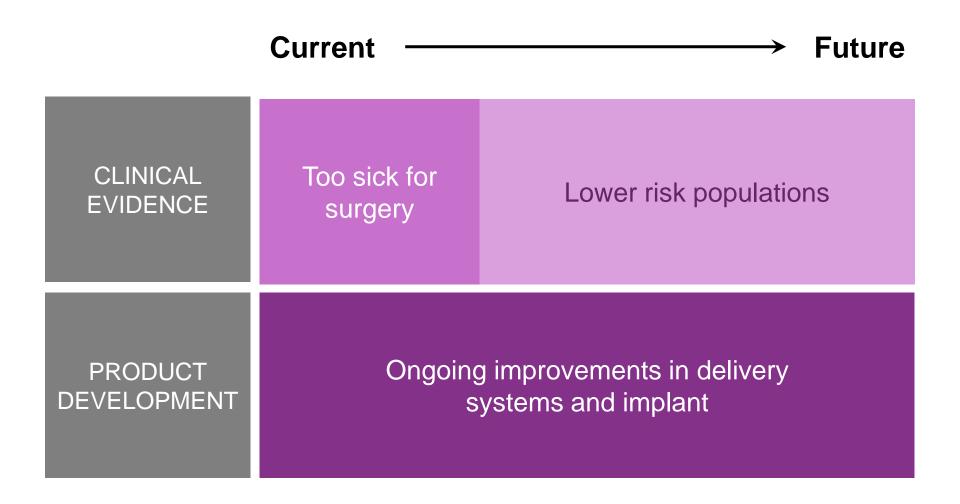


LivaNova CAD = Coronary Artery Disease; NYHA = New York Heart Association; COPD = Chronic Obstructive Pulmonary Disease

TMVR advantages have recently created significant interest from leading players

LivaNova	Caisson Interventional	\$120M
Edwards	Internal Fortis development	Not disclosed
Edwards	CardiAQ Valve Technologies	\$400M
Edwards	Valtech	\$690M
🔁 Abbott	Tendyne	\$250M
🔁 Abbott	Cephea Valve Technologies	Not disclosed
Medtronic	Twelve Intrepid	\$458M
Scientific	Option to buy MValve	Reportedly \$200M

Key investments to creating a TMVR market that is 2-3 times larger than TAVR



We have the patience to build and are committed to investing in the market

2025-2030 Expansion into less Country expansion severe patient populations: Additional training of positioning TMVR Pivotal trial: FDA new implanters earlier in the care approval enables 2017 drives therapy continuum Continuing aggressive hiring, ubiquity training and mass engineering General acceptance efforts improve commercial launch Fellowship programs into the MR customer to drive future guidelines and gold experience Multiple competitors Positive first-in-CE Mark adopters standard society human (FIH) supports FIH allowing publish results endorsement validating therapy and early feasibility experience and reliable, Next-generation driving appropriate starts controlled repeatable results systems drive reimbursement results release competitiveness

Invest and Protect

Grow

Expand

Executing on a clinical data development plan designed to enable commercialization

		Patients	Centers	Objective	Status
prelude		20	8-10	FIH study proving TMVR concept	Continuing enrollment
interlude	•	75	15	Confirmatory study to secure CE Mark in Europe	Started to enroll
ensemble	•	400	20-30	U.S. IDE study to build on FIH and CE Mark study to secure FDA approval	Finalizing protocol with enrollment planned in 2019

A proven approach to ensuring physician competence and confidence

Patient selection	 Therapy awareness tools to drive local education and awareness Joint screening activities with clinical sites Virtual implant fit to ensure proper sizing
Physician training/tools	 On-site instruction at hospital Full day didactic and hands-on training Modeling of ideal approach for patient case On-site refresher training and virtual implant simulation in actual hospital catheterization lab
Procedure support	 Expertise for onsite training and case support Procedure observation worksheet on every case to institutionalize learning and continuously improve

Competitive advantage in TMVR and opportunity to lead the transseptal market

TRANSSEPTAL	LivaNova	Caisson	
	Edwards	CardiAQ	607-00
	Abbott	Cephea	A. We
	Edwards	Valtech	
TRANSAPICAL	Edwards	CardiAQ	60-1-00
	Abbott	Tendyne	e @}
	Medtronic	Twelve	function
	MValve		The second secon
	Neovasc		1 C
	HighLife		
	Sinomed		
	- Direct Flow		S

Summary: positioning for leadership in TMVR

Technology	 Transseptal delivery Distinct competitive advantages
Clinical evidence	 Investment in clinical trials Post-market studies for reimbursement and/or expanded indications
Physician focus	 Collaboration and responsiveness World-class training Procedural support Podium presence Advocacy

Liva Nova

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