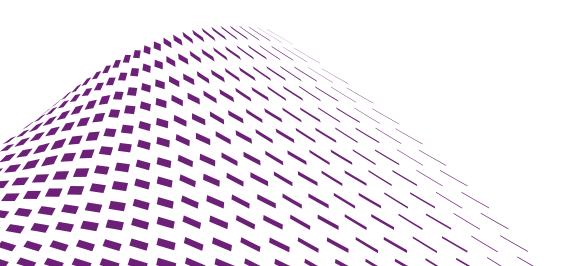


LivaNova Investor & Analyst Meeting

November 30, 2015



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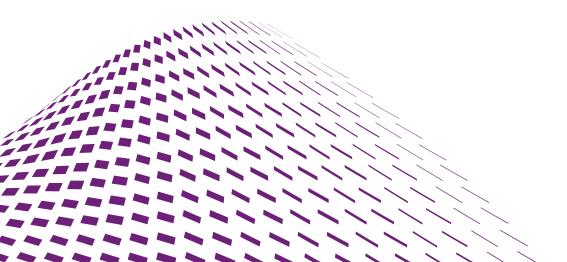
Welcome and agenda outline

Topic	Speaker
Welcome	Dan Moore
Overview & Strategy	André-Michel Ballester
Cardiac Surgery	Michel Darnaud
Cardiac Rhythm Management	Stefano DiLullo
Neuromodulation	Rohan Hoare
Emerging Markets	Jacques Gutedel
New Ventures & Emerging Therapies	Ed Andrle
Financial goals	Vivid Sehgal
Closing remarks	André-Michel Ballester
Q&A Session	



Welcome

Dan Moore



LivaNova board of directors introductions

- André-Michel Ballester, Chief Executive Officer
- Francesco Bianchi
- Stefano Gianotti
- Hugh Morrison
- Alfred Novak
- Dr. Sharon O'Kane
- Dr. Arthur Rosenthal



February 26, 2015 announcement

Sorin Group and Cyberonics Inc. announce the creation of a leading global medical technology company







- Diverse, market-leading product portfolio to drive shareholder value
- Technical and commercial scale across geographies to enhance revenue growth
- Focused innovation platform to exploit market opportunities and accelerate product development in Heart Failure, Sleep Apnea and Percutaneous Mitral Valve to improve patient outcomes
- All-stock transaction resulting in pro forma combined equity value of approximately \$2.7 billion/€2.4 billion¹
- Transaction expected to drive cash flow generation and be cash EPS² accretive to all shareholders from 2016

3

- Based on the closing share price of Sorin Group and Cyberonics on 25 February 2015. Market capitalizations translated at €/\$ exchange rate of 25 February 2015.
- Cash EPS based on US GAAP, excluding transaction related expenses, purchase accounting and stock based compensation expenses. Calculated on a fully diluted basis



Cyberonics



Compelling strategic rationale for LivaNova

CHF Partnership

Opportunities in Three Multi-Billion Dollar Specialty Markets

High Complementary Technologies Global Scale and Geographic Diversification

Leadership in Large and Growing Markets

Strong Balance Sheet to Execute Plan

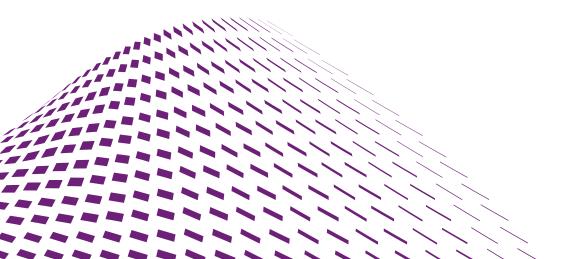


LivaNova CEO introduction

- Baxter: executive positions in Europe and USA; appointed President, CardioVascular Group, Europe in 1997
- Edwards: Vice President EMEA, Asia & Latin American from 2000 – 2004
- Sorin: President of Cardiac Rhythm Management in 2004, appointed CEO in 2007
- M.S. in Engineering from École Centrale, Lille, France M.B.A. from INSEAD, Fontainebleau, France

Overview & Strategy

André-Michel Ballester



Overview



A stronger foundation on which to build diversified product portfolio, global scale and strong local presence in all key markets.

Enhanced growth opportunities in the Heart Failure, Sleep Apnea and Percutaneous Mitral Valve markets with strengths in technology and market access capabilities.

Diversified and wider shareholder base to support further growth opportunities.



LivaNova strengths

Market Leadership in Key Product Areas

Opportunities in Three Substantial New Markets

Global Scale and Diversification

Extensive Technological Expertise

Strong Balance Sheet & Cash Flow

Passionate, Talented People

Rewarded for Performance

Market leadership in key product areas

- Global leader in Cardiac Surgery and Neuromodulation
- Leveraging an innovative Cardiac Rhythm Management platform

CARDIAC RHYTHM MANAGEMENT	CARDIAC SURGERY	NEUROMODULATION	
Leading innovator in CRM	Cardiopulmonary global leader	Leader in Neuromodulation with VNS Therapy	
Strong position in Europe and Japan	- #1 in Oxygenators	#1 position in devices for epilepsy	
Innovative products focused on patient	#1 in Heart Lung machines	 Pioneer in VNS treatment for heart failure 	
outcomesRobust pipeline	Leading player in surgical valves	neart failure	
	On-going roll out of new products		



...and excellent opportunities in three substantial new markets

Accelerated development and commercialization of new product categories

	Heart Failure (HF)	Sleep Apnea	Percutaneous Mitral
Total market potential ¹	> \$1 billion	> \$1 billion	> \$1 billion
LivaNova Programs	VITARIA™ Equilia™ Intense	Investment in Respicardia (Central Sleep Apnea) Investment in ImThera (Obstructive Sleep Apnea)	Investments in: Caisson, HighLife Cardiosolutions
Timing of earliest market entry	2015	2015	2017
Commentary	Creates broad portfolio strength, technological expertise and market development potential	Dual path approach with opportunities in large and under-addressed Central and Obstructive Sleep Apnea markets	Programs in both Percutaneous Mitral Repair and Replacement, transapical and transfemoral

¹ Estimated cumulative market potential by 2025 following US regulatory approval

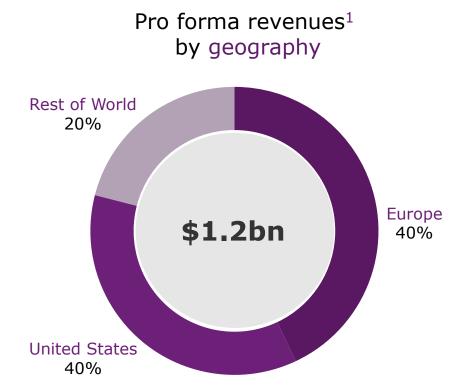


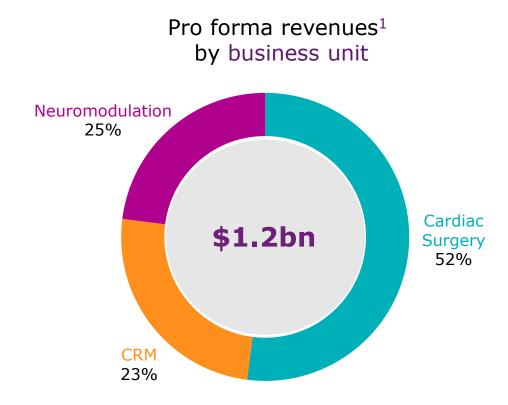
Global scale and diversification...





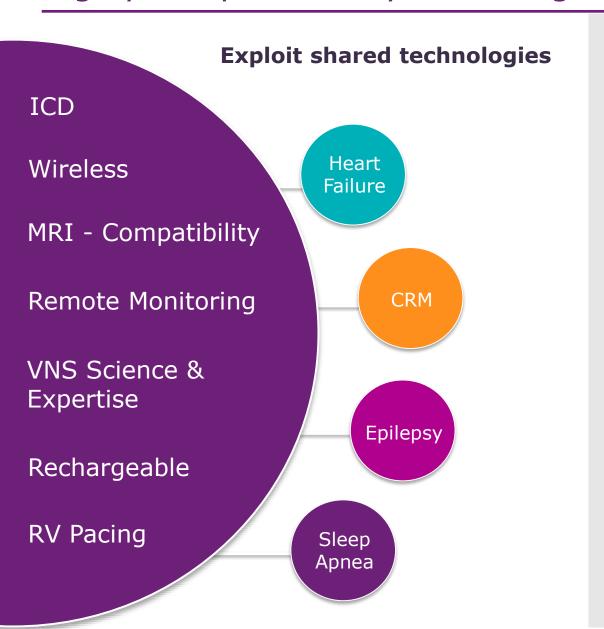
...with a broad product portfolio and geographical reach







Highly complementary technologies and selling capabilities



Complementary Commercialization capabilities

- Competitive experience in developed markets / therapies
- Market development experience in developing therapies
- Complementary call points
- Experience in emerging markets
- Proven expertise in patient awareness and education

A proven management team ...



André-Michel Ballester Chief Executive Officer



Michel Darnaud President, Cardiac Surgery



Stefano Di Lullo President, Cardiac Rhythm Management



Jacques Gutedel President, Intercontinental



Rohan Hoare President, Neuromodulation



Vivid Sehgal Chief Financial Officer



Ed AndrleSenior Vice President, New
Ventures & Business
Development



Greg BrowneSenior Vice President,
Finance



Brian SheridanSenior Vice President, General
Counsel & Corporate Secretary



Pritpal Shinmar Senior Vice President, Market Access



David WiseSenior Vice
President, HR, IT &
Communications

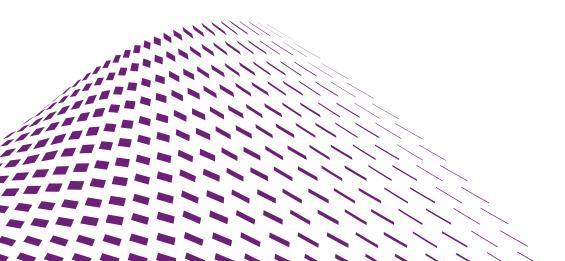
... driving shareholder value

Sales growth	Diversified platform for growthOpportunities in new markets		
Synergies	 \$80 million in planned annual pre-tax synergies by 2018 Optimize supply chain in medium term 		
Operating & EPS Leverage	Margin expansionLower tax rate		
Balance Sheet & Cash Flow	 Strong balance sheet & robust cash flow Invest for growth – internally & externally 		



Cardiac Surgery

Michel Darnaud





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Cardiac surgery technologies

DISEASES

- Coronary artery diseases
- Congenital heart defects
- Structural Heart valves diseases (Regurgitation and Stenosis)

TREATMENTS

- Valve replacement
- Coronary Bypass
- Valve repair

NEED FOR

CARDIOPULMONARY

BYPASS

Mechanical Valves

Tissue Valves Sutureless Valves Annuloplasty Rings









PRODUCTS

Heart-Lung Machines

Oxygenators - PTS

Autotransfusion Systems (ATS)

Cannulae

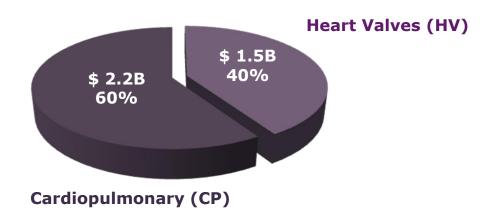








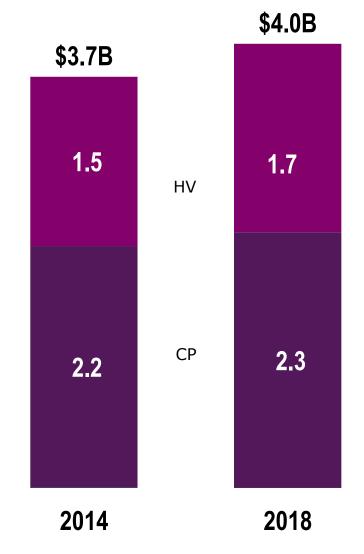
Cardiac surgery market 2014 – 2018



The Cardiac Surgery market

is \$3.7B in 2014, expected to grow 2.0% per year to reach \$ 4.0B in 2018, with growth in each segment estimated as follows:

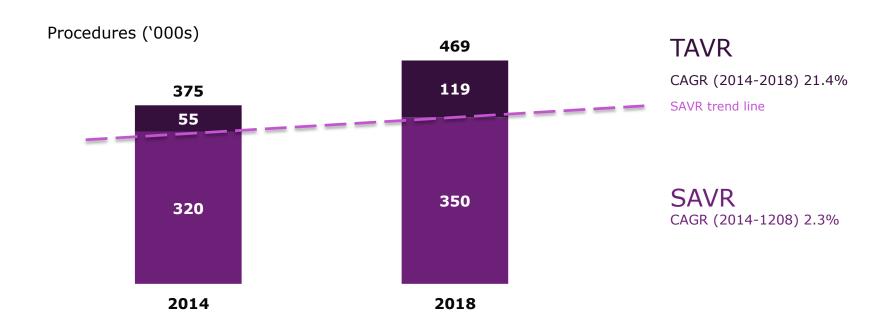
- CP 1.5% CAGR
- HV 2.7% CAGR



Considerable opportunities in surgical valve replacement

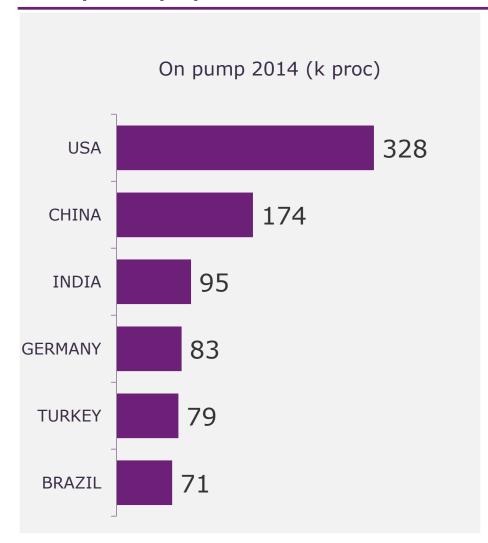
The introduction of TAVR has increased the referral of patients having a positive impact on surgical candidates as well

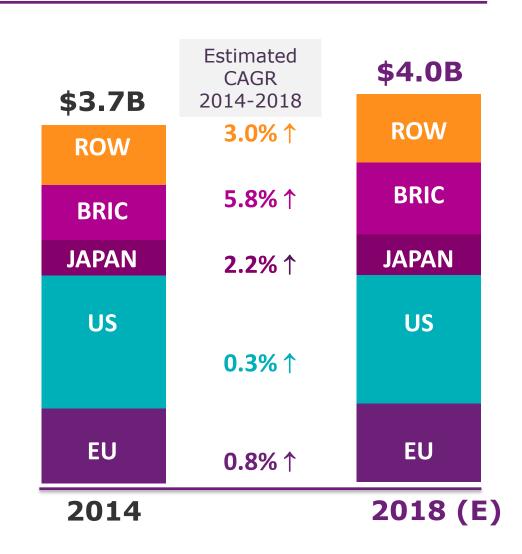
- AVR treated patients globally are expected to grow to 5.8% (through 2018) up from 4.0% before TAVR era
- TAVR cannibalization of operable patients is slowly increasing (estimated 9% today)





Cardiac surgery market 2014–2018 On-pump procedures & market growth by region





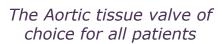
Key growth drivers

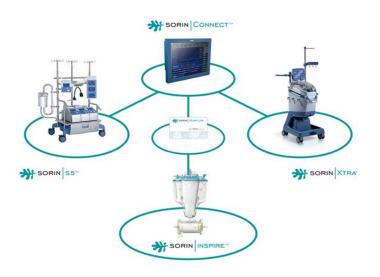
PERCEVAL

HEARTLINK SYSTEM

FAST GROWTH COUNTRIES / EMERGING MARKETS



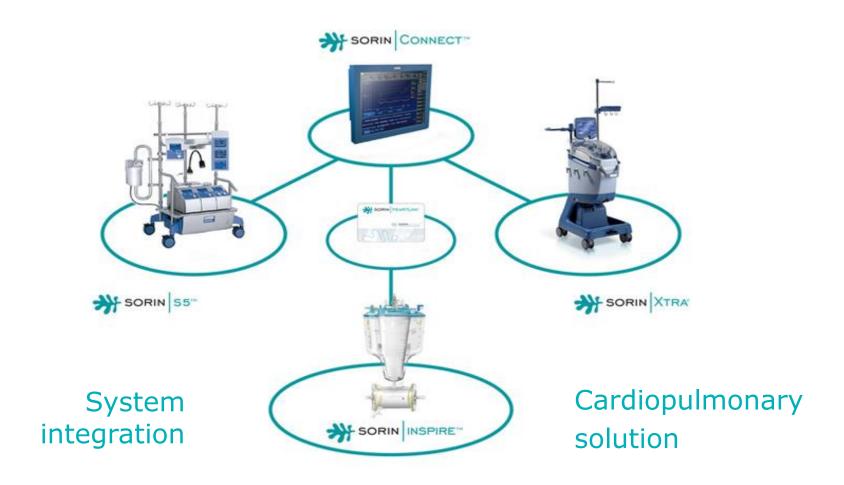




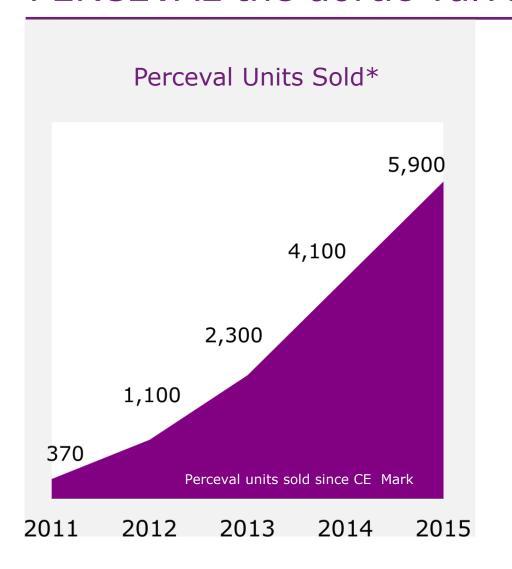
Fully integrated perfusion system

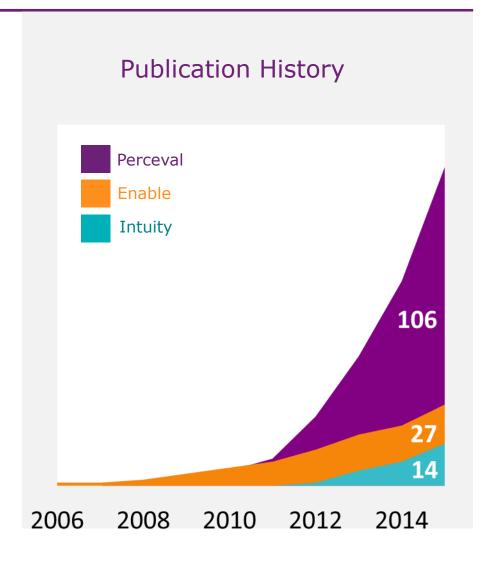


Redefining perfusion: the Heartlink system



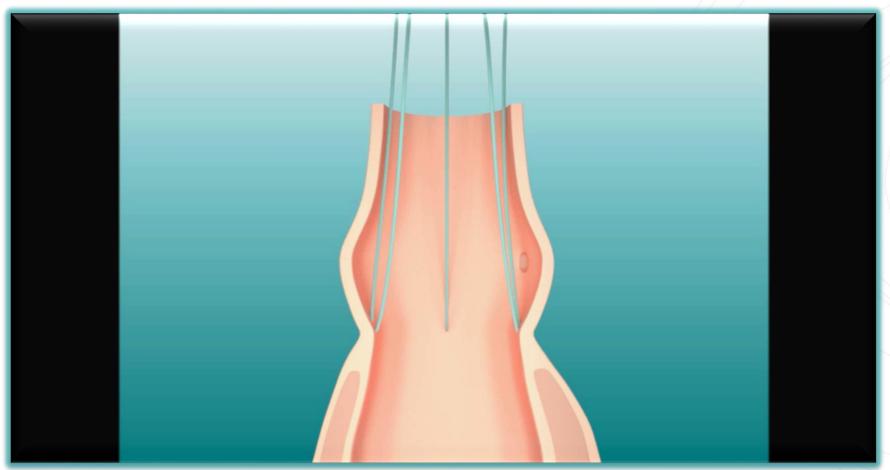
PERCEVAL the aortic valve of choice







VIDEO – Valve Deployment



PERCEVAL the aortic valve of choice

Removing the barriers to adoption	 Durability Valve in valve Perceval in hybrid procedure Best practice sharing
Extended indications	 Multiple valves Regurgitation Bicuspid valves Endocarditis
Leveraging on key benefits	Hemodynamic performanceCross clamp time reduction on improved clinical outcome
Aggressive Marketing	 Vs traditional valves Vs competition Vs TAVR in medium and high risk patients
Economic Findings	Focus on traditional valves and TAVR

PERCEVAL the aortic valve of choice

Expand Indications

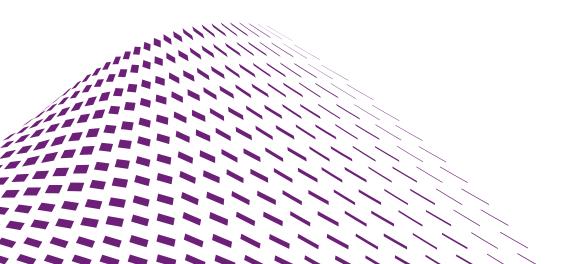
- Expand indications & align intended use
- Continue publication strategy
- KOL program

Geographic Expansion

- FDA approval
- Japan approval and reimbursement
- Strengthen global sales team
- Build local evidence to support economic claims
- Registration and reimbursement in BRIC and ROW

Cardiac Rhythm Management

Stefano Di Lullo





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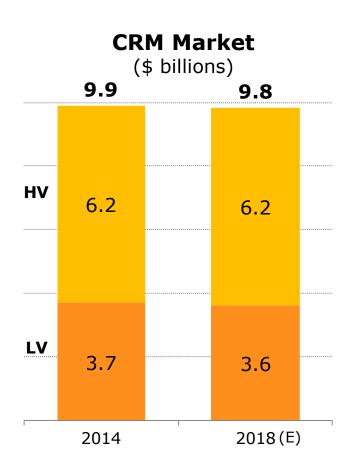
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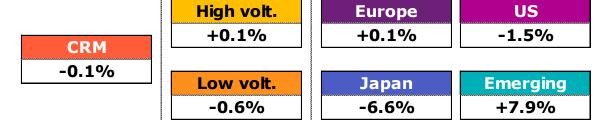
CRM overview – product portfolio

	Low Voltage		High Voltage	
Products	NORA 250 DR DOOR 15-11 (2) BN DORDOOD (2) WY THE PROBLEM OF	REPLY CRTP DOOR OF SECTION SEC	PLATINUM READING OF THE SOURCETT DIES 41 VED-DORN SNOODDOOD SNO	PLATINIUM VR 1240 VVE-VVIR N 00000000 SORINGROUP Gray that \$11,750 ³
	Pacemakers	CRT-P	CRT-D	ICDs
Disease	Bradycardia	Heart Failure		Tachycardia
	Pacing			
Therapy	Therapy Resynchronization Defibrillation			
			illation	

CRM overview – market growth



Expected CAGR 2014-2018



Estimated Growth 2014

	CRM	High Volt.	Low Volt.
Market	-0.0%	+0.1%	-0.2%
Volume	+2.8%	+3.1%	+1.7%
ASP	-2.9%	-3.0%	-2.1%

CRM overview – key market drivers

Therapy

- Base therapy is stable with little innovation
 - → Innovation in complementary therapies or diagnostics
- Heart Failure unmet needs exist
 - → New therapies such as **VNS**
 - → Importance of **co-morbidities** (sleep apnea, hypertension)





Customers

- Remain technology friendly
 - → Quick adoption of standards: MRI compatibility, DF4 leads
- Greater influence of economic buyers...
 ...but implanting cardiologists remain central
- Increasing weight of emerging markets

CRM growth strategy – growth drivers 2016

Heart Failure Co-morbidities



- **SonR** post-RESPOND
- 8 Positioning of Sleep Apnea





Investment in features

Leads: standard, IS-4





Geographic positioning



Gain **high-voltage market share** with Platinium



Roll-out of **new portfolio**: KORA 250 & Platinium



Sales & product registration

CRM growth strategy – low voltage



Kora 250

- Full-body MRI solution with AutoMRI mode
- ____ Launched

Benefits of SafeR (ANSWER study)

Q1 2016

Size & longevity: unique

SAM



Sleep Apnea Diagnostic Capabilities

- Reliable and automatic screening to detect severe Sleep Apnea¹
 - → Specificity: 85%→ Sensitivity: 89%
- Build awareness and referrals



CRM growth strategy – high voltage



Platinium

- Differentiating longevity: 14.3 years (VR)
- Best-of-class size/shape: 31.2cc Ergoform (VR)
- Our DNA: SonR, Parad+, SafeR, BTO...





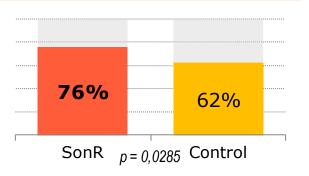


SonR



Automatic CRT optimization

- Improving **CRT response**²
 - → CLEAR study: 23% improvement
- RESPOND study ongoing
 - → **1.039** patients in 100+ centers
 - → 1st results in **H1 2016**



^{2.} Ritter P, Delnoy PP, Padeletti L et al. A randomized pilot study of optimization of Cardiac Resynchronization Therapy in sinus rhythm patients using a Peak Acceleration Sensor vs. standard methods. Europace 2012;14(9):1324-33.

CRM growth strategy – summary

<u>Premium</u> positioningbased on <u>innovative products</u>focusing on <u>patient outcomes</u>

Focus on

▶ heart failure and co-morbidities
to differentiate our portfolio

Selective

▶ 'features' investments ◀
to maintain the base business

Tailored

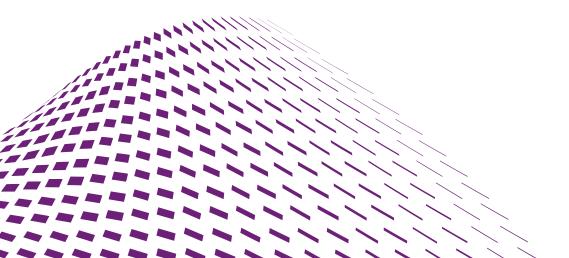
▶ geographic positioning ◄ to target high-growth segments

Continuous

▶ manufacturing cost improvement
to offset price erosion

Neuromodulation

Rohan Hoare





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Epilepsy by the numbers

4th

most common neurological disease after migraine, stroke and Alzheimer's disease

10 Million

People living with epilepsy in United States,
Europe,
and Japan

30%

fail to achieve
Seizure control after
2 AED failures

3%

chance of seizure freedom after 2 AED failures Direct and Indirect Cost

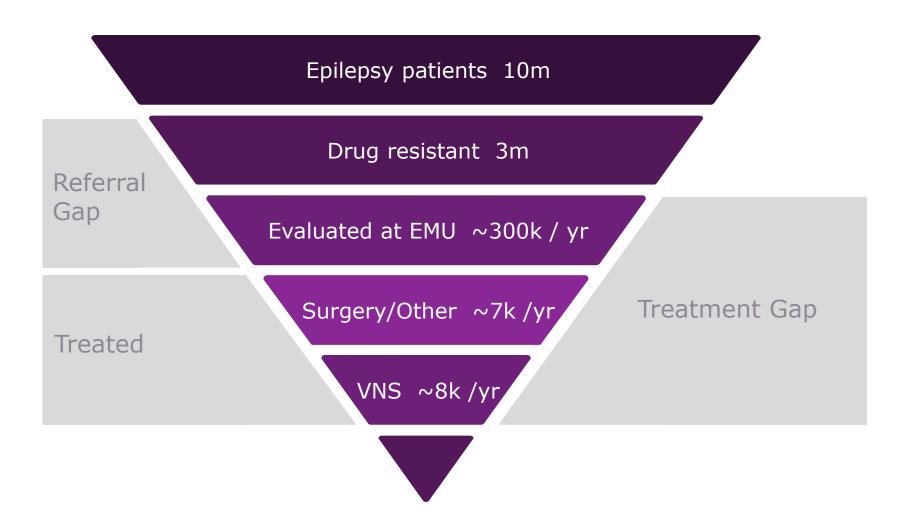
\$13.5B

Mortality rate vs. general population

25-40x

Mortality rate vs. general population

Epilepsy treatment gap reveals opportunity for VNS Therapy®

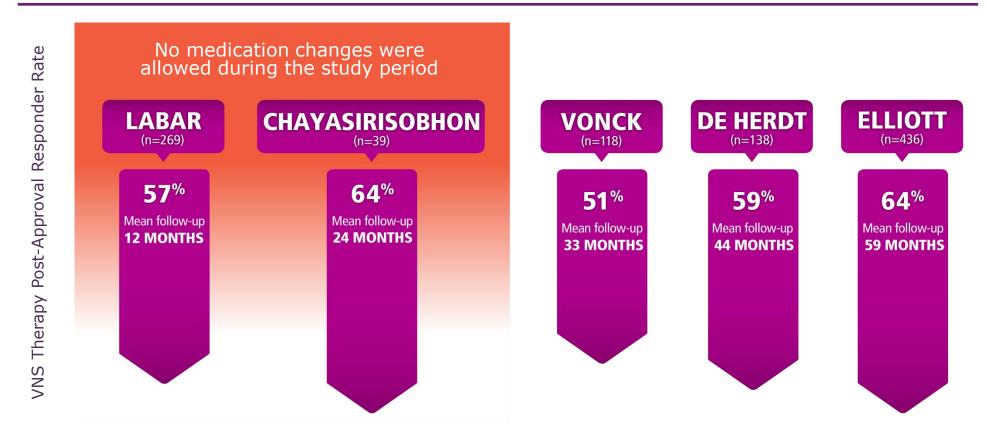


VNS Therapy: A comprehensive solution for a complex disorder

- Seizure reduction that improves over time
- **(2)**
- Improved seizure profiles and recovery from seizures that do occur
- 3
- Improved overall patient quality of life
- \$
- Strong Health Economics

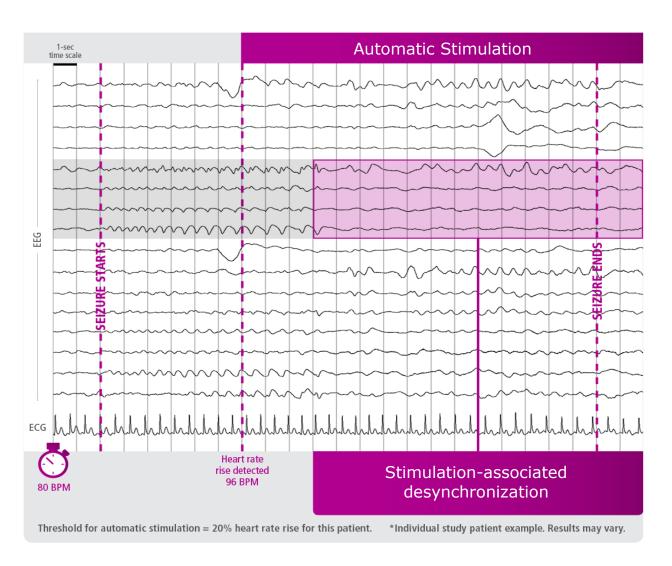
VNS Therapy can be combined with any other treatment to give patients the best chance of wellness

Strong clinical evidence for VNS Therapy





Seizure termination with AspireSR

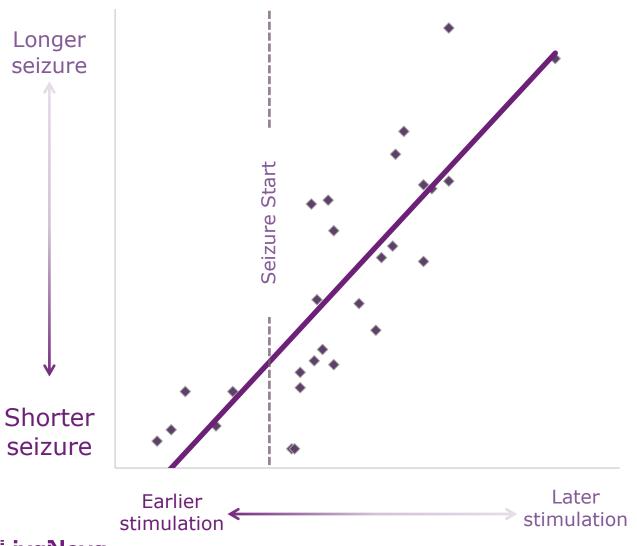


Over 60%

of seizures treated ended during automatic stimulation



Timing matters!



For seizures that ended during stimulation:

Earlier

stimulation

Shorter

seizures

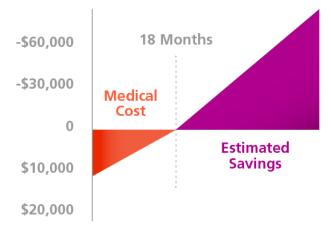


Strong economic value proposition

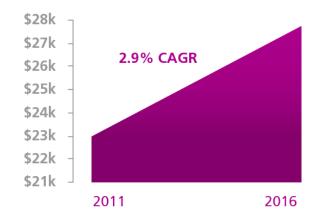
VNS Therapy Offers:

- Strong Health Economics
 - Reduced Hospitalization
 - Reduced ER Visits
 - Reduced Accidents
 - Reduced Medications
- Repeatable
 - Regardless of Country
 - Regardless of Currency
 - Regardless of Health System

Average cost post VNS implantation

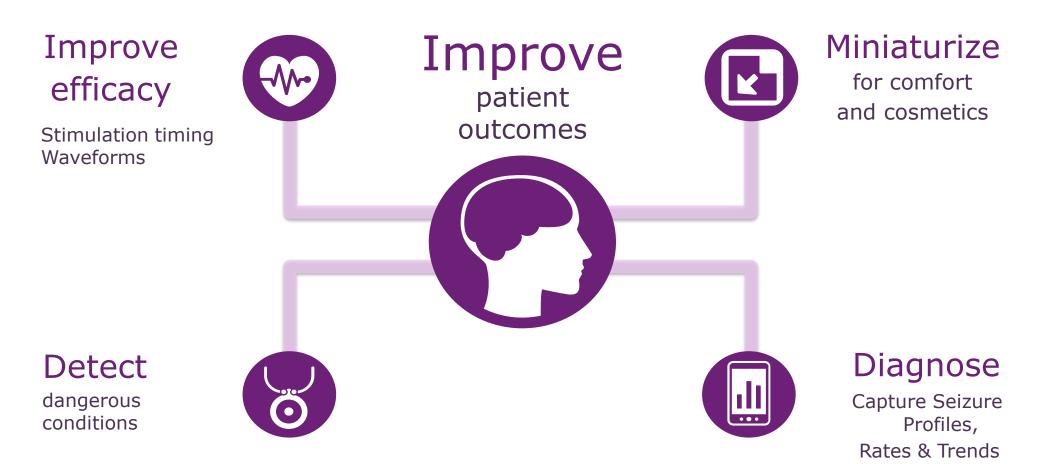


Rising medicare reimbursement averages





Future advancements for neuromodulation



Key growth drivers



Established market development capabilities



New patient growth returned to historic highs



Strong health economic profile



Significant replacement generator revenue

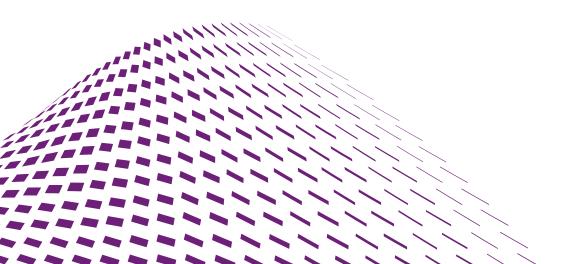


Increasing access to international markets



Emerging Markets

Jacques Gutedel





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Emerging markets expected growth drivers



Emerging Markets remain • a key growth opportunity •

- Most emerging countries have good economic fundamentals
- Demographics combined with underdeveloped markets

Emerging Markets currently account for approximately 14% of sales

- Optimize by going direct
- Significant opportunity for Neuromodulation

LivaNova



benefits for Neuromodulation

Leveraging extensive footprint to accelerate the growth of Neuromodulation in Key Emerging Markets

 Enhancing the focus and increasing our resources in key growth countries

Commercial infrastructure supporting the growth of Neuromodulation

 Dedicated resources for regulatory, reimbursement, government affairs

Different models for different businesses and countries

- From traditional distributor to hybrid and direct models
- Customized approach, e.g. China

CS growth strategy – China expansion

Implementing a three-tier localization approach

Serving China

LivaNova is already a significant player in cardiac surgery

- #1 in heart-lung machines (HLM)
- #1 in imported oxygenators
- #1 in mechanical heart valves



Made in China

New Manufacturing plant built in Suzhou for local made Oxygenators

CFDA registration under preparation





Innovated in China

Developing Perfusion Tubing Kits responding to the needs of Chinese Perfusionists



CRM growth strategy - China expansion



Implementing a three-tier localization approach

Serving China

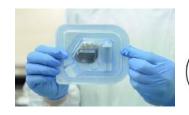
Setup of a **strong S&M team**Expansion of addressable market through **provincial tenders**Execution of an aggressive **sales growth plan**



Made in China

Local assembly line set up in 12 months and ready to manufacture

CFDA registration process initiated





Innovated in China

Invest in **local CRM R&D** tailored to the Chinese market Example: Leads program on the way to FIM

Including innovative products and services

Example: Issuance of the first e-Id card on 6th Aug.

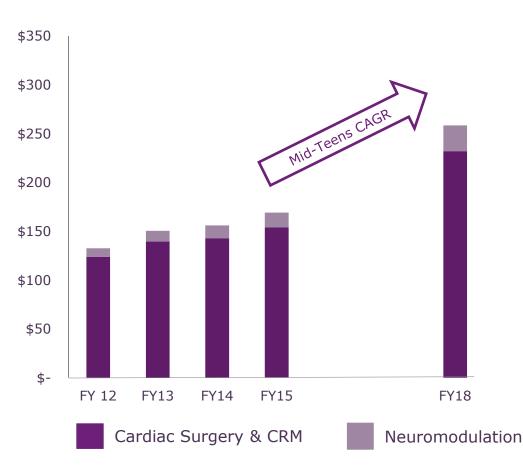


Emerging markets



the growth drivers

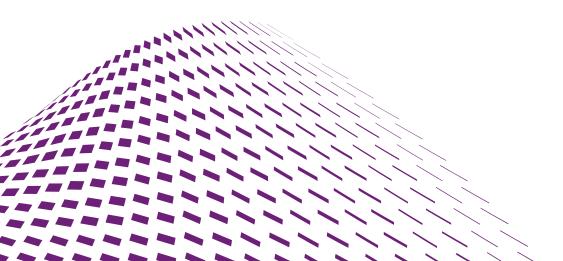
Emerging Market revenues



- Upfront investments made in building local competencies and infrastructure
- Successful development of Neuromodulation
- Focused deployment and targeting of resources, aligning around customers at country level
- Emerging Markets to grow in the mid-teens and expected to become 18% to 20% of LivaNova revenues

New Ventures

Edward Andrle





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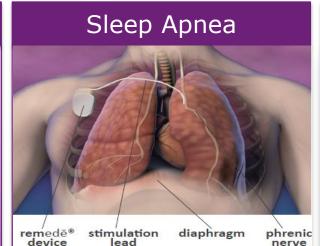


LivaNova's new product opportunities



HF represents the largest unmet clinical need in the cardiovascular space.

Estimated direct and indirect cost of HF in the US is ~\$35B per annum.



CSA significantly increases progression through HF and elevates mortality.

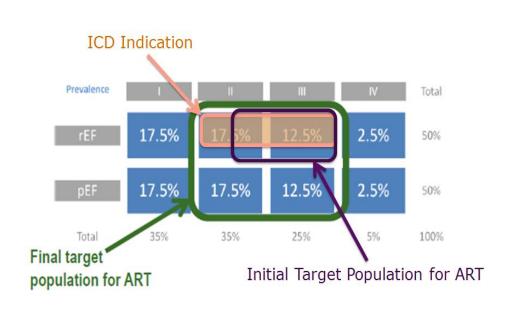
Untreated OSA increases overall mortality by 86%.



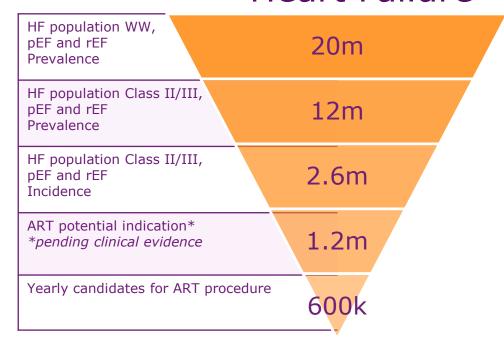


TMVR might be the next multi billion dollar med tech opportunity, one that is potentially 4x larger than TAVR.

Heart failure market opportunity



Heart Failure¹



ART = Autonomic Regulation Therapy

Estimated number of CRT procedures in $2015 = \sim 230k$



LivaNova heart failure portfolio

VITARIA ™ & Equilia ™



- Standalone autonomic regulation therapy (ART) for treatment of heart failure
- VITARIA completed 60 patients clinical study with 12 mo F/U for HFrEF
- Enrolling 60 patients in HFpEF study
- CE Mark on both

ART +D



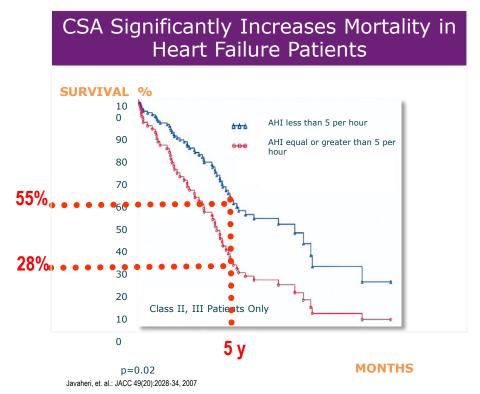
- Integrated ART system combining VNS with an ICD in a single implantable pulse generator
- ► Avoiding 2 procedures in ~70% of rEF patients

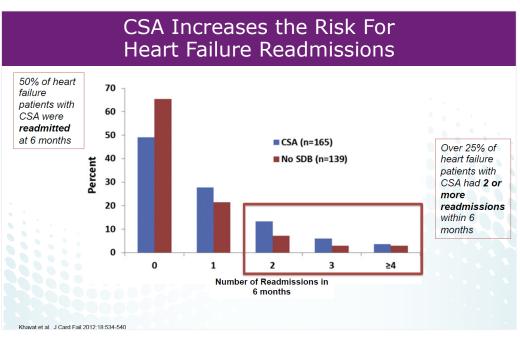
Enopace



- Intra-Aortic Left Vagal
 Afferents Electrical Stimulation
- ► Intra-Aortic Scaffold w/ Wireless Energy Reception
- Recently initiated clinical trial

Central sleep apnea increases mortality and hospital readmissions in patients with heart failure





Central sleep apnea opportunity¹

Central Sleep Apnea in Heart Failure - US

HF Population/ HF Population in NYHA Class II/III	6.0m/3.6m
27% of HF population mod-to-severe CSA (NYHA II and III)	980k
20% Diagnosed	195k
80% Candidates for Surge	156k
60% meet criteria for Phr Nerve Stimulation	enic 93k



Phrenic Nerve Stimulation

- ➤ Transvenous phrenic nerve stimulation treats central sleep apnea by restoring a more natural physiologic breathing pattern
- Completed pivotal trial enrollment and expect to file PMA application in 2016
- Distribution in Germany, Switzerland, & Spain

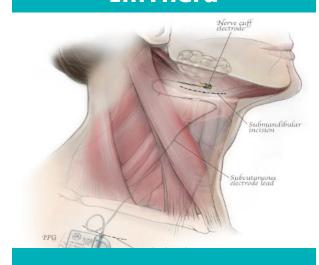


Obstructive sleep apnea opportunity¹

Obstructive Sleep Apnea: US

8% Prevalence in total population	25m people living with OSA
25% Diagnosed	6.3m
75% CPAP Penetration	4.7m
46% Non-Compliant	2.2m
40% Moderate-to-Severe	880k
80% Candidates for Surg	gery 700k
80% meet criteria for Hy Nerve Stimulation	poglossal 560k

ImThera



Hypoglossal Nerve Stimulation

- Targeted hypoglossal nerve stimulation for treatment of obstructive sleep apnea (OSA) by restoring muscle tone to the tongue and upper airway
- ► Initiated Pivotal clinical trial enrollment in mid-2015
- ▶ CE Mark in 2012



Transcatheter mitral valve replacement ... active M&A market in 2015

July 13th

BARRON'S TAKE

Edwards Lifesciences Wisely Acquires CardiAQ

Analysts cheer Edwards' \$400 million acquisition of heart device maker CardiAQ. Expect more gains.

July 30th

Abbott to buy Twin Cities heart device company Tendyne for at least \$225M

August 25th

Medtronic makes \$458M deal

The purchase of Twelve Inc. could help speed minimally invasive mitral valve to market.

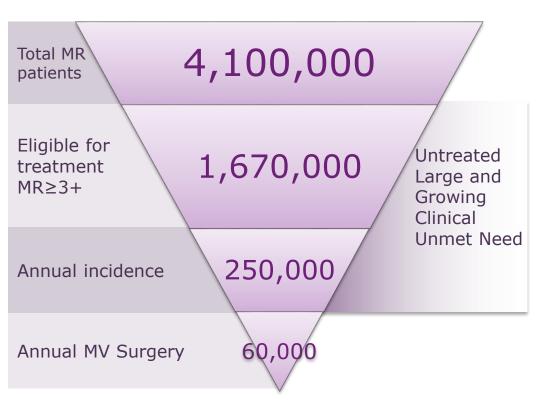
most novel technology, along with a strong, proven team, "said the president of Minnesona-run Medtronic's coronary and structural heart divi-

Sept 2nd

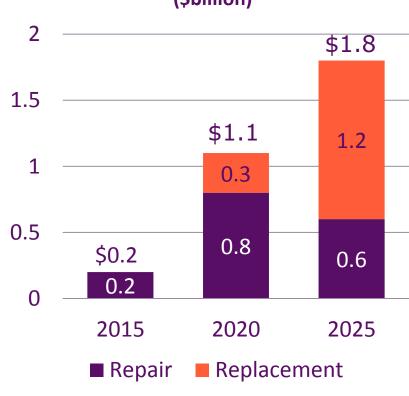
HeartWare buys Israeli co Valtech Cardio for \$800m

Percutaneous mitral market opportunity¹

Mitral Regurgitation – US Prevalence A Largely Untreated Patient Population



Global Market Estimate (\$billion)





Percutaneous mitral valve investment portfolio

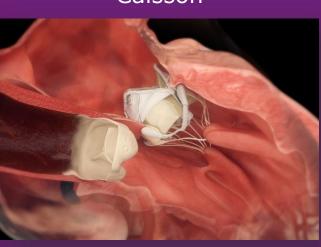
HighLife



Mitral Replacement

- Trans-Apical or Trans-Atrial delivery of subannular ring and stented valve
- Currently in preclinical phase with clinical trials expected to start in 2016

Caisson



Mitral Replacement

- ► Trans-Femoral unique transseptal access- delivery of anchor and stented valve
- Currently in preclinical phase with clinical trials expected to start in 2016

Cardiosolutions



Mitra-Spacer System™

- Trans-Apical delivery of balloon with heart pad anchoring at apex and subcutaneous port
- Initiated FIM feasibility study in London

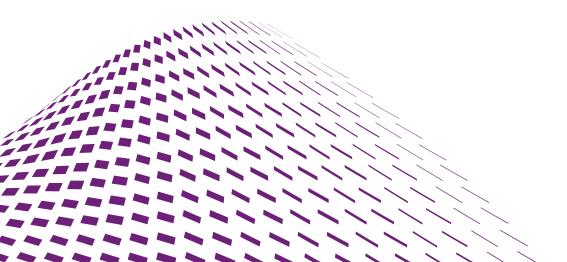
... excellent opportunities in billion dollar specialty markets

	Heart Failure	Sleep Apnea	Percutaneous Mitral
Total Expected Market Potential ¹	> \$1 billion	> \$1 billion	> \$1 billion
LivaNova Programs	VITARIA™ Equilia™ ART+D Investment in Enopace	 Investment in Respicardia (Central Sleep Apnea) Investment in ImThera (Obstructive Sleep Apnea) 	Investments in Caisson, HighLife, Cardiosolutions
Earliest Expected Market Entry (EU)	2015	2015	2017
Strategy	Creates broad portfolio strength, technological expertise and market development potential	Dual path approach with opportunities in large and under- addressed Central and Obstructive Sleep Apnea markets	Programs in both Percutaneous Mitral Repair and Replacement



Financial Review

Vivid Sehgal



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2016 financial goals



A Year Of Strategic Delivery

Leveraged Income Growth with Balance
Sheet Strength

Expected Deliverables **Accelerate Sales Growth**

Significant Operating Leverage

Non-GAAP Earnings Accretive

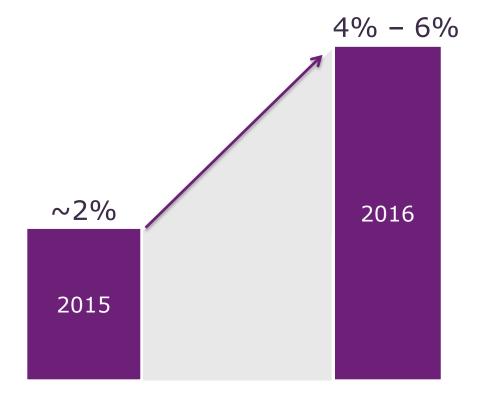
Merger Integration and Synergies

Product Portfolio Optimization

Strong Balance Sheet and Cash Generation

Sales growth goal 2016

Growth Goal

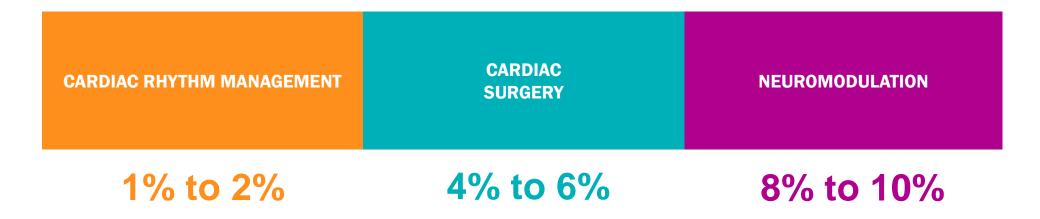


Expected Growth Drivers

- Key Product Launches:
 - KORA 250
 - Platinium
 - Perceval
- AspireSR Penetration
- INSPIRE Market Share Gains
- Emerging Markets Strength



Sales growth goals by business unit 2016

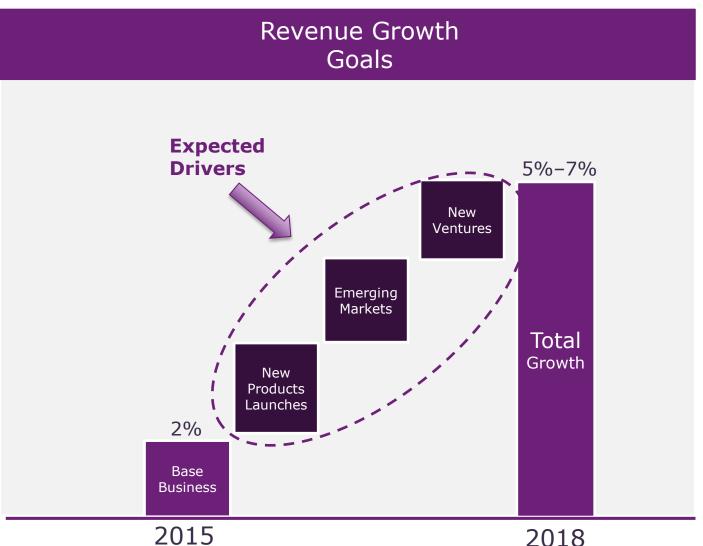




Key metrics

	2016	2017-2018
Sales Growth Goal	4% - 6%	5% - 7%
Adjusted non-GAAP EPS Goal	\$2.80 - \$3.00	>20% growth p.a.

Diversified growth medium term



Key financial goals medium term

	2016 Margin %	2017 -2018 Margin Trend
Gross Margin	Mid 60's	+60-80 bps / year
SG&A	Mid 30's	Low 30's
R&D	10% - 12%	10% - 12%
Tax Rate	Mid 20's	-100 bps / year



Expected synergies 2016 - 2018

Selective Reinvestment and Leverage

Synergies

At least \$80M Synergies delivered by 2018

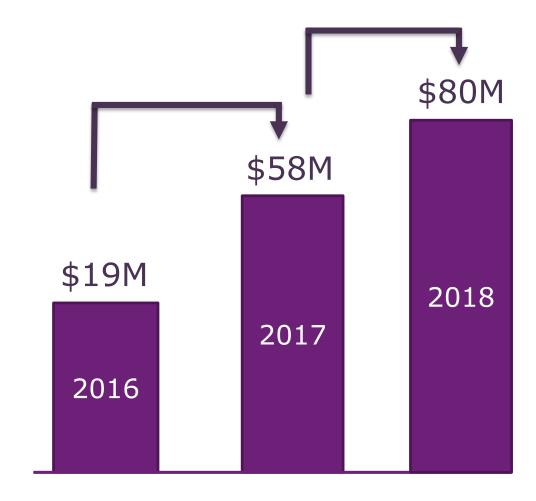
Commitment

- 20 Project Teams established to deliver
- CEO, CFO and BU Presidents on Steering Committee

Focus

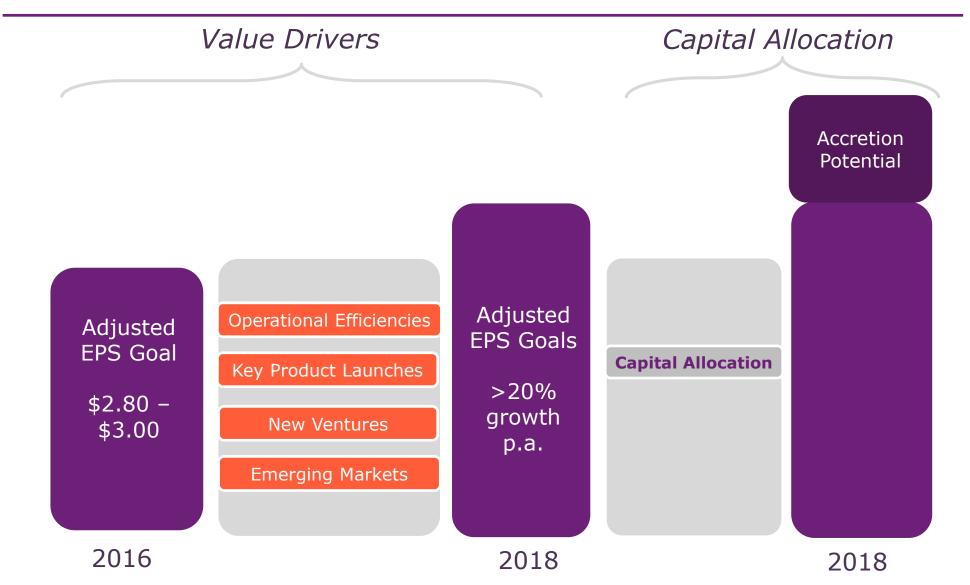
Little impact on customer facing areas Main areas of focus:

- Corporate Overhead
- R&D Optimization
- Manufacturing
- Heart failure
- Neuromodulation Revenue





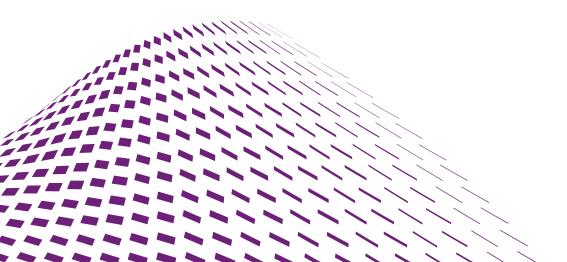
Shareholder value



Liva Nova

Closing Remarks

André-Michel Ballester



... driving shareholder value

Sales growth	5% to 7% in 2018 leveraging strong base business and emerging technologies
Synergies	• \$80 million in planned annual pre-tax synergies by 2018
Operating & EPS Leverage	Adjusted non-GAAP EPS: > 20% growth per year
Balance Sheet & Cash Flow	Accretion potential through Capital Allocation

