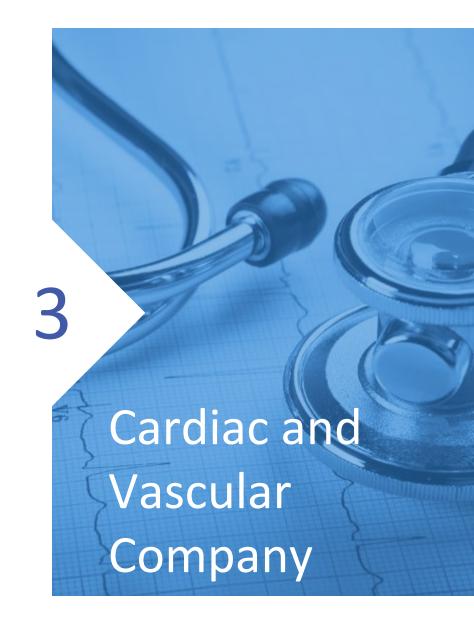
Shinjiro Sato President, Cardiac and Vascular Company



Business Overview: Cardiac and Vascular Company

		FY15 Sales	FY14 to 15 Growth	Major Products
	TIS	177 B JPY	15%	DESPTCA BalloonAccess Devices
Cardiac and	Neurovascular	26 B JPY	26%	CoilFlow DiverterAspiration Catheter
Vascular Company (C&V)	CV	42 B JPY 7% • Oxygenator • Heart Lung Machine • Blood Parameter Monitor	Heart Lung Machine	
	Vascular	14 B JPY	4%	 Grafts Frozen Elephant Trunk Device AAA Stent Graft
		259 B JPY	13%	



Mid- to Long-term Vision

Recognized globally as a

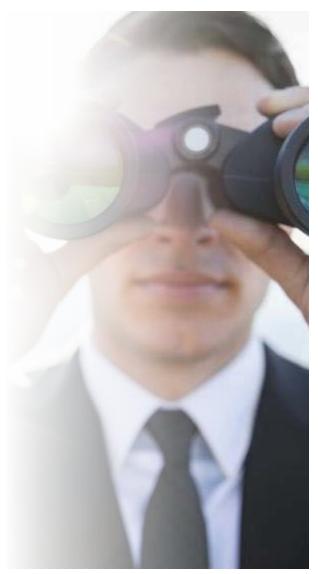
"Top brand"

among cardiac and vascular companies



- Be within the **top three players** in each market where we participate
- Gain world-class trust from customers for overall quality (in product, supply, and service)





Dec 12, 2016

Market Dynamics and Opportunities





Mid- to Long-term Growth Strategy: C&V Company

Key initiatives to execute the strategy

Evolve a balanced "Advanced and Platform" model

Further develop global frontiers

Leverage synergies across four businesses

Gain a competitive edge through innovation

Strengthen operational capabilities and infrastructure

Recognized globally as a "Top brand" among cardiac and vascular companies



Market dynamics

and

C&V's strengths

Competitive Advantage #1

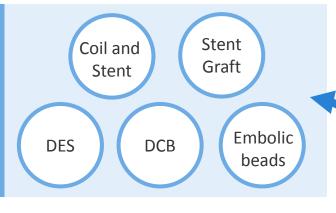
Uniquely positioned with a differentiated portfolio (achieving a balance between therapeutic and platform products)

Advanced (Therapeutic)

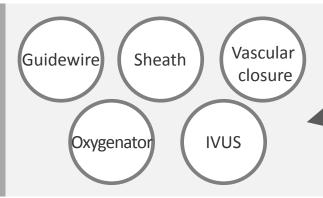
Platform (Differentiated)

Little to no focus on commoditized segments

Therapeutic
Devices
Advanced devices,
embolics, etc.



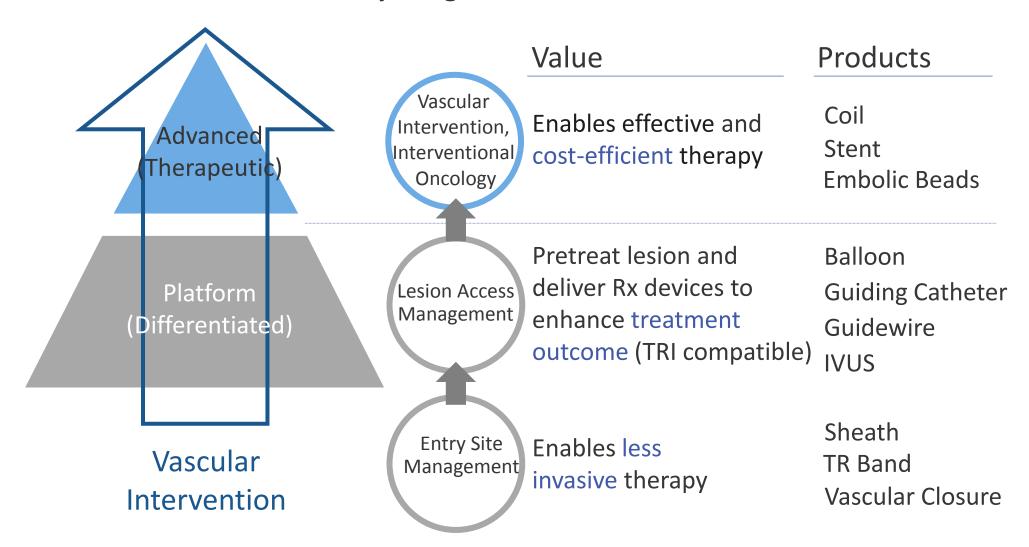
Support Devices
Differentiated
ones to maximize
efficacy of
advanced therapy



TRI

Competitive Advantage #2

Our focus: Provide a vertically integrated solution for vascular intervention





Optimize Portfolio

Achieve balanced growth in the Advanced and Platform products portfolio

 DES: Selective expansion and life cycle management

Comprehensive neurovascular products offering Advanced

Peripheral: Comprehensive products offering and leverage TRI approach

Expand Interventional Oncology products lineup

Platform

- ■Strong No.1 in access segment
- ■No.1 in oxygenator market share



Strategic Expansion of DES

Product pipeline

Metal **DFS**

Improving "Ultimaster Tansei" deliverability

> Advancing Ultimaster: Renewing stent design

Next metallic DES

Optimizing complex lesion treatment

Next generation DES

Bioresorbable Concurrent development while assessing market trends Target segments: Simple lesion and younger patients

BRS

Regional

Japan

Europe

Emerging Market

China

US

Targets

No.1 market share Double the share

Double the share

Expand therapeutic segment

Selectively abstain from metallic DFS market



Expand Peripheral and IO businesses

Peripheral

Expand the product offering

- Offer products from access to stent
- Develop a variety of therapeutic devices
- Complement with strategic partnerships

Major upcoming product: Drug Coated Balloon

Pursue R2P approach (TRI)

Interventional Oncology (IO)

Expand further comprehensive offerings

- Offer access and therapeutic devices
- Offer a range of therapeutic options

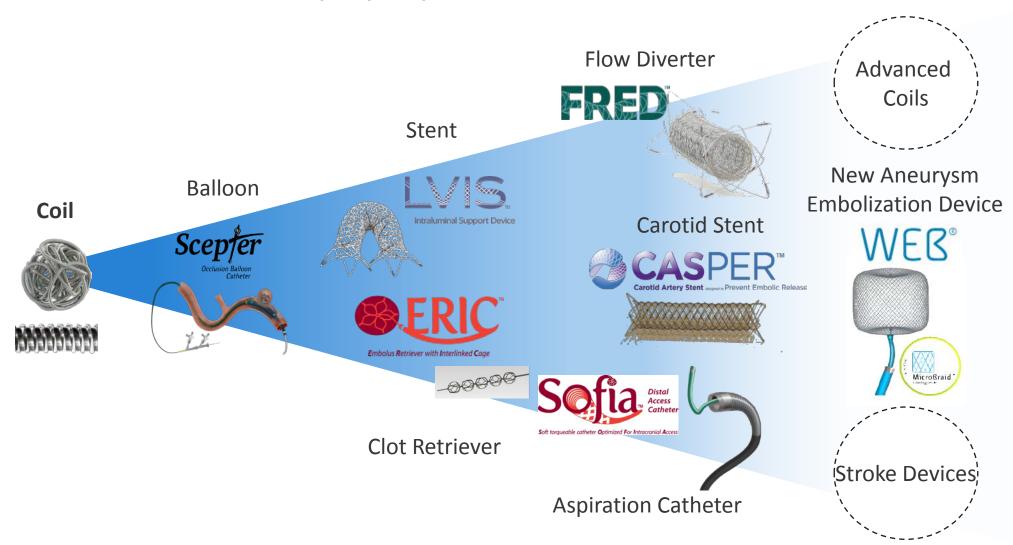
Pursue RAVI approach (TRI)

CA-IS: US R&D for vascular interventional products located in California Leverage MicroVention technologies (drug coating and polymer)



Offer Full Range of Neurovascular Products

Total Neurovascular Company: Expand non-coil and stroke devices





Prioritize Investment

Significant growth opportunities in large markets such as US, China, and emerging markets

US

- Enter and expand therapeutic product offerings in peripheral and neurovascular markets
- Extend access product line and get further TRI approach penetration
- Expand R&D and manufacturing capabilities

China

- Expand therapeutic product offerings in peripheral, interventional oncology and cardiovascular surgery markets
- Launch a new renal denervation catheter
- Improve capability for regulatory requirements and optimize the supply chain

Emerging Markets

- Achieve balanced expansion of advanced and platform products (incl. DES)
- Pursue strategic investment for long-term growth ✓ India: Market with demographic dividend
- Explore opportunities in 1) middle tier markets, and 2)
 specialized products for emerging markets



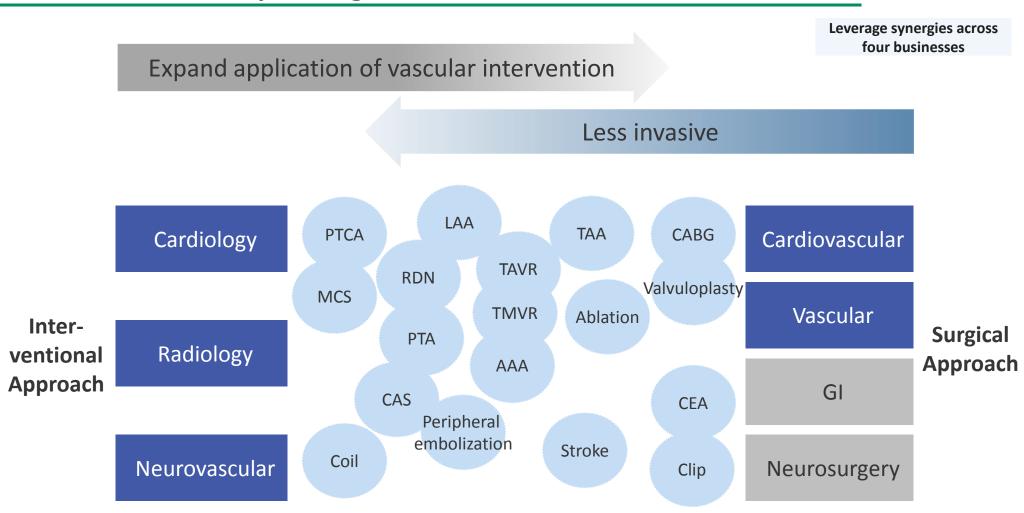
Create Synergies across Four Businesses

Ring stent

1) Share best practices, 2) Utilize technologies and sales channels, 3) Optimize R&D and production, 4) Collaborate on projects in adjacent markets

Core technologies Opportunities to leverage synergies Plastic molding R&D CA-IS Coating TIS Production technology **Ashitaka** Neuro-C&V **Production** CV Vietnam HQ vascular Maryland Pump Metal processing Costa Rica Blading Hollow Fiber Vascular Polymer X Coat Sales & Japan Marketing US **Textile** Sealing technology

Leverage Our Technologies and Channels to Gain Opportunities That Arise from Expanding Less Invasive Treatments



Greater opportunities in adjacent segments



Accelerate Innovation Globally (TIS)

Faster development, closer to the market, by the organization with the core technology

Platform and Stent

DES, Peripheral Stents
Platform Products

Imaging and Drug

OFDI and IVUS
Next generation DES

Partnership

PTA Balloons (Kaneka)
Renal Denervation (AngioCare)
Radioembolic Beads (Quirem)

TCSC

Interventional Oncology, Microcatheter

Ashitaka

California

CA-IS (New markets)

Embolic Beads
Carotid Stent
DCB
Atherectomy

Access

Micro-access
Large bore sheath
Guiding sheath

Shonan

Third Party

Maryland



Upcoming Innovative Products

Expected to achieve first-to-market in the US

Aneurysm Embolization Device

WEB

(MicroVention)

Frozen Elephant Trunk Device

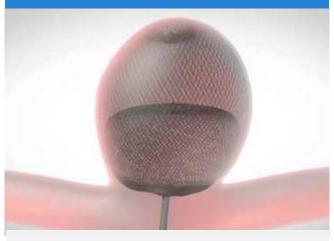
Thoraflex Hybrid

(Vascutek)

New oxygenator

NX

(CV)







New aneurysm embolization device along with conventional coil products

Single and quick deployment shortens procedure time

Expanded indication for complex procedures

A hybrid device combining a conventional vascular graft and a stent graft for thoracic aorta surgery

Thoraflex hybrid enables two separate surgeries to be combined into one surgery

An oxygenator featuring the world's smallest priming volume

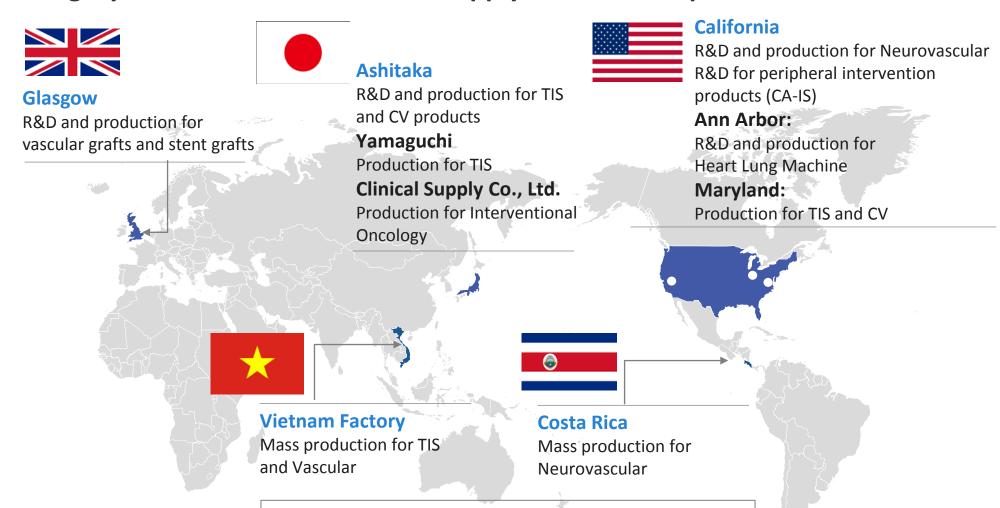
Cost-competitive product

Potentially lowers the risk of infection



Optimize R&D and Production Site

Define roles for each factory as R&D driven, mass production, and category focused to achieve stable supply and cost competitiveness





Dec 12, 2016

Advance production technologies

Establish the Platform to Accelerate the Growth

Pursue strategic investment

R&D: 130+ B JPY

- Invest in intervention products development in US
- Leverage US and Japan strengths
- Launch Ashitaka Innovation Center (tentative name)

CAPEX: 80+ B JPY

- **Expand Yamaguchi factory**
- **Expand Costa Rica factory**
- Expand Vietnam production capability

Strengthen Organizational Capabilities

Strengthen HQ

- Strengthen a TIS global HQ function
- Develop clinical capabilities including medical affairs
- Hire, develop and promote global talent

Expand US R&D

- Launch a full clinical affair team
- Transfer some R&D function to Maryland factory
- Develop a new imaging system at the Michigan site



17/22

Establish World Class Quality

Product

- Quality of Products
- Quality of QMS
- Quality for patients
- Usability for customers

Supply

- Stability in supply
- Size Variation
- Speed to launch new products

Service

- Clinical support
- Customer centric sales
- Enrich clinical evidence





Product Pipeline

	Mid-term FY17 to FY19	Long-term Beyond FY20
TIS	 New Ultimaster New PTCA Balloon PTCA Balloon for US market Radioembolic beads Peripheral therapeutic devices for radial access Drug Coated Balloon 	 Next generation DES New imaging system New closure device Renal denervation catheter Atherectomy Devices for structural heart disease
Neuro- vascular	 New aneurysm embolization device "WEB" Flow diverter "FRED" Stroke devices 	Advanced "WEB"Advanced CoilCoated stent
CV	New generation oxygenator NX	 Next generation blood gas parameter monitoring "CDI"
Vascular	 Next generation stent graft "Anaconda LP" New vascular graft "Triplex Advanced" 	Frozen Elephant Trunk device "Thoraflex Hybrid"



Sales and Operating Income Targets toward FY21

Sales

Operating Income*

Revenue growth to lead Terumo group

Profit growth faster than revenue growth



Double digits growth

Maintain 25%+ adjusted operating margin*

Plan FX rate: USD=105 JPY, EUR=115 JPY

*Adjusted operating income (IFRS)

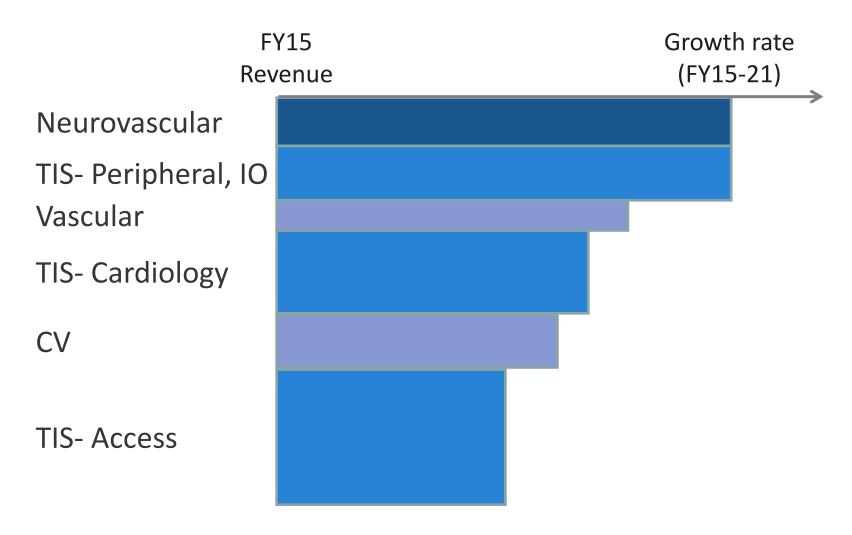
Adjusted items: Intangible asset derived from acquisition, one-time acquisition expense, impairment, gain/loss from sales of stocks and others

FY10 FY16 FY21 FY10 FY16 FY21



Growth Drivers

Neurovascular, Peripheral and IO lead the growth, and CV and Vascular improve their profitability





Beyond FY21

Mastery in Intervention

Integrated solution (Leveraging TRI)

Stroke **Heart Failure** AF

Artery-to-Vein

Diversify therapeutic technologies

Mastery in Globalization

Expand US infrastructure and product offerings

Achieve dominant Establish multipresence in emerging markets

site R&D and production

Global branding

Mastery in Quality and Manufacturing

Achieve No.1 production cost

World-Class QA, RA, and CA

Evolution of business model





Disclaimer

The information that Terumo discloses and the forward-looking statements including financial projections are based upon our assumptions using information available to us at the time and are not intended to be guarantees of future events or performance. Accordingly, it should be noted that actual results may differ from those forecasts on projections due to various factors. Factors affecting actual results include, but are not limited to, changes in economic conditions surrounding Terumo, fluctuations of foreign exchange rates, and state of the competition.

The market share information in this presentation is partly derived from our own independent research.