

Script - Structural Heart Positioning Deck

Title Slide:

- Introduce yourself
- Welcome audience to presentation/meeting
- Introduce TE's Medical business as follows

"TE's purpose is to create a safer, more sustainable, productive and connected future. Our medical business is largely focused on the "safer" part of our company's purpose – how do we make the world safer for patients? We do this through becoming a partner of choice to our customers in building medical devices that save lives, such as those for structural heart therapies."

- Introduce TE's capability in structural heart

TE is a partner to leading companies who design, manufacture and market minimally invasive treatments for structural heart therapies. Our business is built upon a legacy of innovation in access and delivery of catheter based devices, an understanding of the key clinical challenges in structural heart therapies today and a wide range of supports across the full spectrum of design, ramp and commercial manufacturing of these medical devices.

Slide 2 – Premier Partner

TE Connectivity, together with Creganna Medical are undisputed leaders in delivery and access solutions for structural heart.

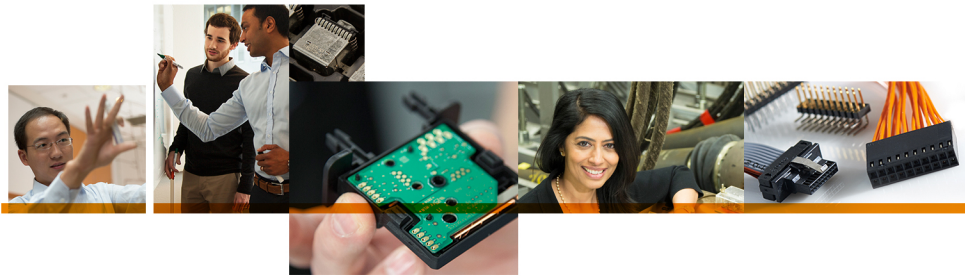
Our solutions are intrinsic with the growth and clinical success of minimally invasive heart therapies. In fact, our first commercial work in this area began 16 years ago, when in 2003, we created a steerable large bore shaft for the delivery of a transcatheter heart valve. This was in the early days of pioneering work in this area and only months after the world's first successful TAVR had been performed by Dr Alain Cribier.

Today, we work with over 29 companies in this field and currently have 65 development programs underway spanning multiples clinical applications from valve repair/replacement to LAA occlusion.

During that time, we estimate that over 600k+ structural heart patients have been treated with a device containing a TE technology. Today, 2 of every 3 TAVRs performed globally are enabled by TE content.

We are proven partners for volume manufacturing solutions. We consider ourselves "*partner innovators*" in our specialist and enabling solutions for access & delivery. We have supported our partners in 18 FIH (first in human) and ground breaking clinical studies.

Our engineering experience is deep. Engineering fellows at TE are our most experienced engineers, most with over 20+ year's experience in product design for interventional devices. Of those engineering fellows, they offer a combined 47 years of core design experiences dedicated solely to the pursuit of advanced design solutions specific to structural heart devices.



Slide 3 – Needs triad

Over the last 16 years we have learned a lot about the needs of our customers in the structural heart field.

What is evident to TE, is the needs of our customers evolve over time, depending a range of factors such as company size, stage of evolution, market/clinical strategy and device application.

As our customers move through the design and commercialization cycles needs evolve. Broadly speaking, there are 3 core stages to that cycle and an associated triad of needs for each stage.

Our operational strategy is built around serving the needs of our customers at each individual stage but also anticipating those needs as they evolve. **In short, we are thinking ahead for you.**

Take for example, early design. While a customer may just be thinking about getting to concept stage with 10 prototypes, we will be designing that solution mindful how we can efficiently translate the concept into a manufacturable solution for volumes in 10s of thousands.

Each stage of the triad also serves specific needs at that particular point. For example, at design our clinical know-how accelerates the design process as will direct access to our engineers. We provide rapid response for animal studies, benchtop builds and early feasibility builds to support pivotal trials. We are particularly proud of our ability to rapidly iterate new designs, for example, swapping in/out new material solutions. Our breadth of technology allows us to bring speed, reaching into our own internal supply chain for new or alternative solutions.

Rapid prototyping and scaling ability is key for many customers, particularly in translation of an early design. We are agile and responsive at ramp. We understand that every minute makes a crucial difference in an end market with a rapidly evolving clinical landscape. Our skills in DFM (design for manufacture), proven quality process and support infrastructure move your solution through this critical phase in an efficient and timely manner as possible.

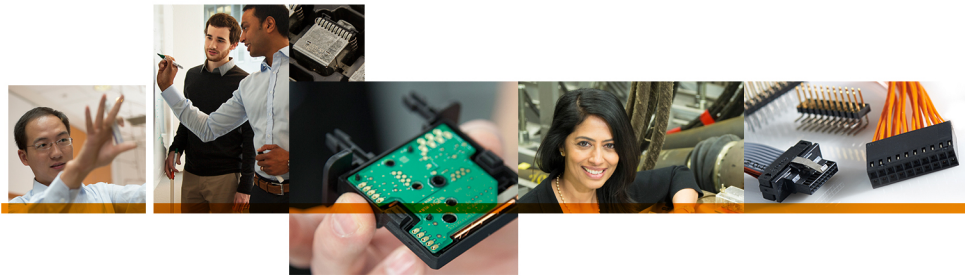
Finally, for commercial volume manufacturing of your solution, TE is a partner with scale, capacity and proven credentials. We bring efficiency, proven quality systems and the benefits of a vertically integrated supply chain to our customers.

Slide 4 – Expertise

Our expertise in structural heart applications is broad and deep across **valvular**, **congenital** and **structural** diseases.

We are specialists in delivery solutions for transcatheter repair and replacement for of all 4 valves. We also provide comprehensive solutions to enable LAA occlusion device delivery, PFO closure, protection device deployment and aortic valvuloplasty.

Delivery of these transcatheter devices starts with successful access and ends with effective closure. Access devices range from simple introducers and dilators to complex transeptal crossing devices. For “large bore” procedures of 14 French, effective hemostasis during and after the procedure is critical to overall clinical success. Specialist guidewires place an ever increasingly important role in access to complex anatomy such as the mitral valve. We have enabled many new and innovative solutions for access and closure.



Fundamental to a successful procedure is precise and accurate imaging. TE has been innovating catheter based imaging methodologies for volumetric measurement for over 10 years. Together, both our businesses in interventional and imaging solutions are collaborating for the future in catheter based imaging including IVUS, ICE and OCT.

In 1987, TE Connectivity partnered with Acuson, now Siemens, to develop a cable assembly for Transesophageal Echocardiography (TEE/TOA), revolutionizing how cardiologists diagnosed structural disease of the heart. TEE also allows for the 'live' guidance of interventional procedures. Wires, catheters, sheaths, devices and target structures can be seen in one single view and in relation to each other, thus facilitating the guidance of standard and complex interventions.

We continue to innovate in this area as a leading provider of cable technologies for high density, high speed and precision imaging. For example, our high density coax is pushing the boundaries for increasingly lower profile TEE. Our coax platforms enable customers to access modular designed solutions for a compressed time to market in NPI.

TE is the premier on-stop-shop for all aspects of a structural heart procedure – from diagnosis to treatment.

Slide 5 – Clinical Challenges/Technical Solutions

So, where is TE innovating today and how are we thinking about the future of Structural Heart therapies?

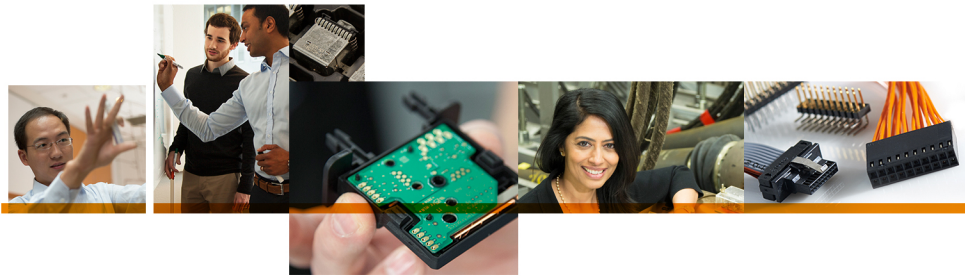
First we start with the clinical considerations.

There are significant clinical challenges that stand in the way of progressing more treatments for structural heart disease and to expand access to ever more patients. The clinical challenges we repeatedly hear from our customers are:

- How can we better address the space constraint of a transcatheter delivery, a major procedural challenge, and reach even more target regions of the heart?
- How can we achieve a smooth and accurate deployment of an implant to ensure the best possible clinical outcome? If we need to reposition an implant how can our delivery system facilitate this clinical step in a beating heart?
- What is the best access and delivery approach for the left side of the heart?
- How do we continue to lower the profile of devices to expand the number of patients we can treat while limiting damage to surrounding structures?
- How can we see more during the procedure to get more accuracy and precision?

Next we focus on innovations to address these specific clinical challenges? Some of our latest technologies that excite us most include:

- Hybrid metal and polymer delivery systems with advanced and fine multi-directional steering. At the same time we are developing these delivery systems to keep the lowest profile possible – this is a classic trade off – more functionality but in a lower size. Innovative thinking yields step changes, such as integrating pull wires into the braid design or steering wires down to 0.001” integrated into the braid wall.



- We are innovating with materials and manufacturing processes to achieve workable solutions for complex navigation, for example, multi durometer shafts to manage control/stress points during deflection and high strength pull wires for steering mechanisms.
- Where there is steering, particularly in a large bore shaft, there is often a build-up of mechanical forces leading to unwanted whip during torque movements, particularly in the distal portion. We are incorporating novel mechanisms along the shaft to isolate these forces without compromising steering. For example, a coil based assembly with a “torque convertor” that enables bending of the shaft out of plane without distorting the inner channel and “lock and key” connection systems to facilitate interconnection between multiple shaft elements while controlling the build-up of whip forces.
- Where implant repositioning is a requirement, we are innovating for an outer shaft recovery sheath. A stepped sheath solution with a soft atraumatic mouth and integrated housing element, this solution can double as a repositioning and loading device.

Slide 6 – Technologies, Competencies, Solutions

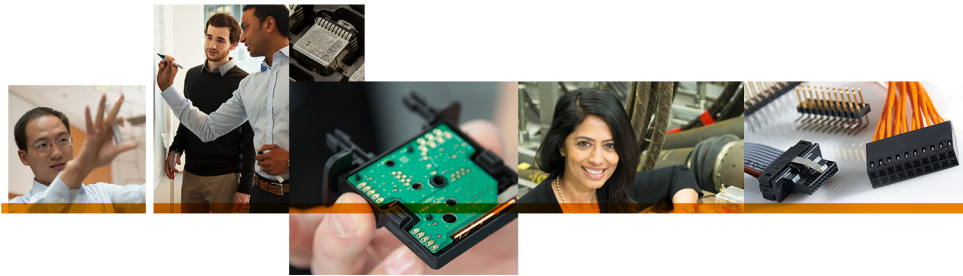
Let’s take a deeper look at our vertical integration and how our core technologies, focal competencies and modular solutions combine to make TE the partner of choice for structural heart visualization, access and delivery.

For each of the core technologies listed we consider ourselves a leading engineering company. For example our advanced solutions for metal shafts, our competency in complex specialist needles and our braided shafts. With deep materials and processing technology in our DNA, we uniquely combine individual technologies to take them from the simple to the complex – this is what we call our focal competencies.

For example, we combine our expertise in metals and polymers to advance solutions for large bore metal shafts. Our in-house wire enables us to innovate steering mechanisms into our shafts while our polymer capability enable finishing and unique surface solutions. Our skills in design of deployment mechanisms means that we can bring each of these discrete aspects of the delivery system together as one seamless solution.

There is a distinctive advantage for our customers in this combination of vertical integration. When you engage with TE, we are not approaching your design challenge based on a single or limited set of relevant technologies. As we have all relevant technologies under one roof, we can approach your design from the basis of an optimal clinical solution.

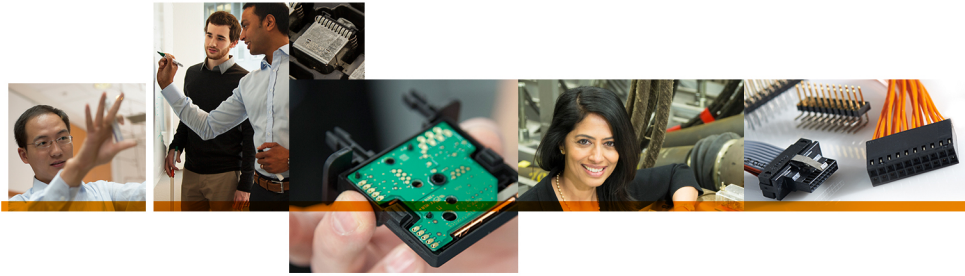
Our customers tell us this is the reason that they chose us for their structural heart programs – others simply don’t offer the technology reach.



Along with our technologies and competencies we also understand that our customers have demands for adjunct devices, often an accessory device to accompany their treatment device.

Modular solutions are platform products, with a cohesive design that is partially customizable. Each of our modular solutions leverage our specialist knowledge. Today, we offer 3 modular product solutions, these are:

1. A **Balloon Aortic Valvuloplasty (BAV)** catheter. Traditionally used as a temporary treatment bridge to valvular surgery, these catheters have experienced a renaissance as an ancillary device in the sizing, prep or seating of the aortic valve in TAVI. Traditional solutions are a mix of a high priced non-compliant material reinforced solution or semi-compliant balloons with large variations in sizing tolerances. Our high precision BAV solution offers an alternative and have been developed with today's clinical application of BAV catheters in mind. The solution encompasses a balloon that delivers a clinical solution allowing some compliance for pre-dilatation & accuracy of sizing for post dilatation of valves, without the high cost. It incorporates our proprietary SmartForm balloon technology. The solution also offers the lowest compliance BAV balloon (3-5%) without the need to use a reinforced material.
2. We have also developed a **0.0.35" shaped guidewire** for specific access in mitral valve applications. This guidewire features:
 - A novel centered spiral tip to assist the physician to avoid being pushed to one side or the other within the ventricle, thereby ensuring accurate delivery of the valve.
 - An inverted loop design on the tip that limits "unwinding" of the guidewire meaning the wire does not lose its ability to centre as a device is advanced over it
 - An atraumatic flexible spiral design with options for a large spiral in transapical access to seat in the larger atrium typically associated with the anatomy of a mitral diseased patient or an smaller closed spiral design for more balanced seating in the ventricle in a transseptal approach
 - As experts in the optimization of torque, flex and kink, the solutions also feature specialized transition zones to deliver the flexibility required for left ventricle access in transcatheter procedures
3. Blending our expertise in hypotubes, long specialist needles and molding we have made a **transseptal access needle kit** available as a modular solution. It features a novel echogenic tip for enhancement in advanced visualization modes such as TOE, TTE and ICE. The needle tip design is optimized for a smooth crossing and to limit skiving in the challenging fossa ovalis crossing step. The handle, a critical guide tool for the physician is optimized for ergonomic use, with a transparent molded handle, less costly than traditional metal hub designs. The solution is available as a single packaged kit option with integrated sheath and dilator.



Slide 7 - Solutions Montage

This slide visually brings together all of the individual components solutions presented earlier – right through from access, delivery to closure.

Note to presenter/sales team member:

If your customer has a specific opportunity for a specific solution now is a good time to speak to that requirement in more detail. This image will assist as a guide in that discussion.

If you are presenting to a customer where English or the language in which you delivered your presentation is not a first language to the listener please spend more time than usual on this slide. Images translate. Words and idioms often do not!

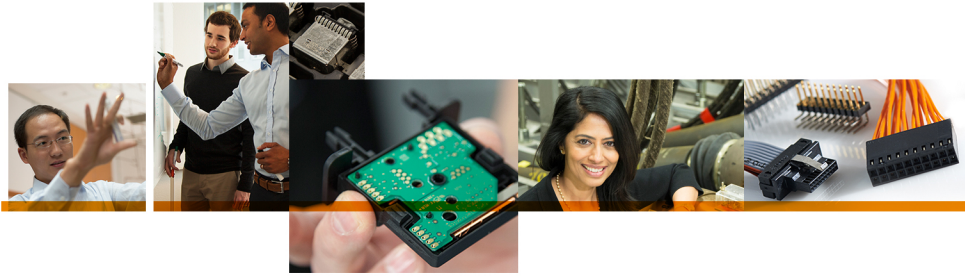
Slide 8 – Portfolio

We are proud to partner with leading companies throughout the world in the co-creation of breakthrough therapies in structural heart.

We work with a varied and diverse range of customers with different needs. We believe that they choose to work with us due to our knowledge, ability to understand their particular needs, trustworthiness and adaptability.

This is a small selection of types of customers in our portfolio. We have broadly categorized some of those customer based on their individual business models and strategies.

- For example, we work with a large OEM who is an imminent new entrant to the structural heart market. We think of this customer as a market challenger. This partner is leveraging unique capability to build a next generation TAVR implant and turned to TE as a premier partner to design and develop their delivery system.
- We are proud to support the market leaders and pioneers in structural heart and continue to work with these companies building early stage concepts for their future generation products that will defend their current share positions. This cohort tell us that our fast, responsive prototyping and engineering capability for delivery systems is central to our ongoing partnerships.
- We work with development companies who define their business strategies as disrupters of the market. This may that they are thinking about an implant mechanism or delivery approach that is atypical for the market. The illustrated example in this slide make reference to an innovative and novel project to solve the clinical challenging of adaptive positioning of an implant in the mitral valve. We are supporting this disrupter in the pre-clinical phase.
- Finally, the rapid adoption of transcatheter based structural heart therapies is not a phenomenon unique to developed healthcare markets. Home grown medical device companies with active development programs



in emerging markets are plentiful and active. Many are making a play for domestic market share in TCV, following the pattern of maturation in the cardiovascular stent market in their local markets. We are working with these companies, most of whom are customers in our other portfolios, to support their design, development and clinical needs.

Slide 9 – Mitral Access Case Study

Access, delivery to and positioning at the mitral valve is undoubtedly one of today's most challenging hurdles in valvular disease treatment with a transfemoral approach. The clinical challenge is four-fold:

1. Steering the delivery device and implant 90° horizontally across the septum.....holding this position and then.....
2. Vertically steering the system another 90° to reach or cross the mitral valve....while then....
3. Angling forward slightly to follow the mitral anatomy.....and all this time....
4. Controlling depth of the delivery system tip to preserve complex anatomy around and within the ventricle including native anterior and posterior leaflets, chordae tendineae and papillary muscle.

The potential for error is large and the slightest error in delivery potentially catastrophic for the patient.

With this challenge in mind we combined our most skilled engineers in device design, metals and polymers to develop a unique delivery solution. This solution features:

- A high load delivery shaft capable of deflecting forces in excess of 30lbs
- Multiple steering direction, 1-way and 2-way and in multiple planes in one sheath
- Variable reach and radius in the solution and in different directions
- Reinforced and automatic tip to preserve anatomical features and the crossing site

How did we achieve this unique delivery solution?

This solution is a demonstration of our full portfolio and vertical integration of solutions in action. Known as Hy-Braid, we combined our advanced steering for braided shafts with our years of knowledge in flexible, laser profiled metal shafts to create this unique solution.

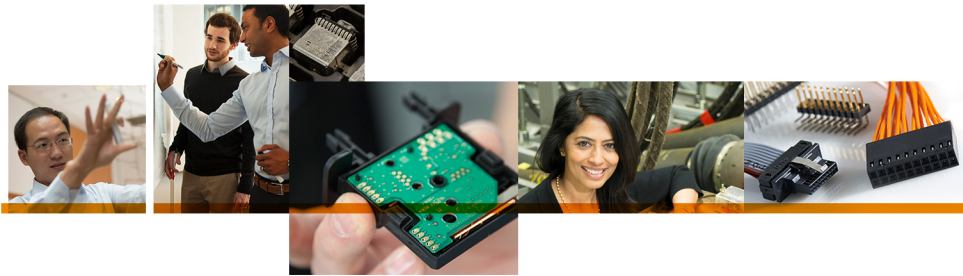
The hypotube design allows for a thinner wall construction, maximizing the ID and reducing the overall OD of the delivery system. Additionally the outer jacket is no longer required to provide axial support, it merely fills the voids and attaches the liner so now the jacket can be as thin and soft as necessary to easily compress and elongate.

We have integrated pull wires to facilitate steering, created smooth transition zones to keep profile low and enhanced the shaft with skeletal reinforcements and mechanisms to define planes of movement.

We are confident that no other company except TE can offer this solution.

Slide 10 - Case Study – Critical Accessories

Our client was seeking to become one of the first 3 companies to achieve approval of a 1st generation TAVI system. Focusing on the highly complex therapeutic aspect, the client also recognized the necessity of a compatible introducer sheath.



To ensure no delay in their core TAVI programme and given the company's limited resources, the customer sought a suitable partner to design, develop and manufacture their custom introducer sheath and fulfil the role of legal manufacturer.

In a quick 9 month timeframe, the Design team successfully delivered a CE marked product, fully compatible with the customer's TAVI system. The 510k cleared product was delivered by blending TE's core expertise in sheath design and manufacture, with its proven design process and regulatory competencies.

Technically, the custom introducer sheath optimized stiffness and flexibility to facilitate seamless introduction of large bore devices. A custom cut pattern was developed for the critical hemostasis seal element to ensure excellent sealing as the dilator and valve are introduced.

An accelerated path to market was achieved by blending our design expertise, vertically integrated supply chain, volume manufacturing experience and our regulatory expertise to become legal manufacturer on behalf of the customer.

Slide 11 – Partner of Choice

TE is the partner of choice for access, delivery and visualization solutions for minimally invasive structural heart therapies both today and into the future.

Leveraging from our expertise today, how do we intend to sustain our expertise into the future?

Strategically, we are undertaking three steps:

1. Every year, as a team, we review our core strategy pillars which are then endorsed within the wider TE organisation. Core pillars and associated markets attract the highest priority focus and greatest internal investment. For the medical team, our leadership in Structural Heart therapies is our #1 strategic growth imperative, backed by the overall corporate organisation. We are committed for the long term – we are investing to innovate.
2. As TE, we maintain an active technical portfolio roadmap, both for organic and inorganic investment. Technical solutions for application in Structural Heart therapies are both a priority and heavily weighted along this roadmap.
3. We are committed to keep our focus on the access and delivery solutions on which we have built our legacy of innovation. We are committed to delivering excellence, beyond parallel, in this core field.

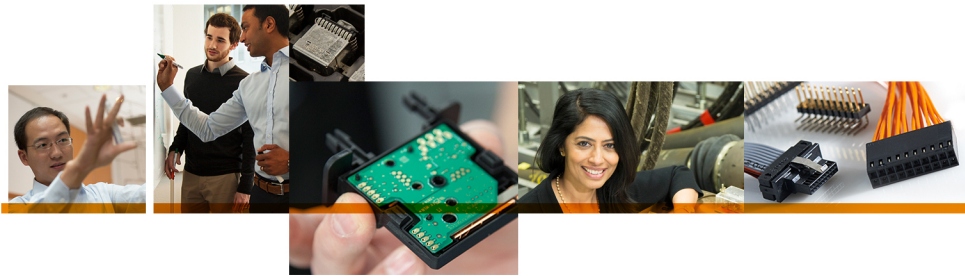
Combined, these 3 steps are how we are planning our future in structural heart solutions.

It is how we will maintain our edge.

It is why you can entrust TE with your structural heart portfolio.

It is how we will fulfil our vision to be your partner of choice in building medical devices that save lives.

Close – Q&A



Acronyms

ASD - Atrial septal defect is a hole in the heart wall between the two atriums. An ASD hole is generally larger than a PFO hole. It is considered a congenital heart defect.

BAV – Balloon Aortic Valvuloplasty – a balloon catheter that measures or dilates the aortic valve.

CE – A mark of regulatory approval for medical devices to be marketed in EU regions

DFM – Design for Manufacture, the process of designing a product in a manner that it can be manufactured at scale

F – French size, a unit of measurement for catheter diameters, the higher the French size the larger the device

FIH – First in Human, the first time a device is used in a human being, associated with medical technology “firsts”

ICE - Intra-cardiac echocardiography is a catheter based imaging modality that visualizes cardiac structures and blood flow using Doppler imaging

LAA – Left Atrial Appendage, occlusion of the left atrial appendage. An anatomical feature within the left atrium and clinically associated with a higher risk of stroke, particularly in patients with Atrial Fibrillation, or AFib. Blood clots can form in the LAA and release to the brain causing stroke. Occluding the LAA reduces the risk of blood clot formation.

OCT - Optical coherence tomography (OCT) is catheter based imaging that uses low-coherence light to capture two- and three-dimensional images

PFO - Patent foramen ovale is a hole in the heart wall between the two atriums. It is smaller than an ASD hole and associated with a failure after birth when the heart structures fail to close properly in early weeks of childhood. It is not considered a congenital defect.

R&D – Research & Development

TAVR – Transcatheter Aortic Valve Replacement, replacement of the native aortic valve using a transcatheter minimally invasive medical device

TE – TE Connectivity

TEE - Transesophageal echocardiography is an imaging device that delivers clear images of heart structures through the GI wall

TMVR – Transcatheter Mitral Valve Repair/Replacement, replacement or repair of the native mitral valve using a transcatheter minimally invasive medical device

TPV – Transcatheter Pulmonary Valve, replacement of the native pulmonic valve using a transcatheter minimally invasive medical device

TTV - Transcatheter Tricuspid Valve, replacement of the native tricuspid valve using a transcatheter minimally invasive medical device