LivaNova partnered with hospitals and trainers leading in the cardiac surgery field to develop a highly comprehensive training program for AVR with Perceval Sutureless Aortic Valve. The program will be typically run over 1 or 2 days in the trainer's institution (Center of Excellence: COE) incorporating didactic sessions, live case observations and Perceval wet/dry laboratory providing hands-on experience. Didactic sessions will focus on implantation techniques, product features, patient indications and selection, echocardiography evaluation, patient/clinical benefits and available clinical data. Live case observation includes the more traditional Full Sternotomy to Mini-sternotomy and Right Anterior Thoracotomy, depending on the trainer and patient selected. The agenda can be adapted to trainee's needs and eventually extended, meeting new Perceval users' and more expert users' expectation. AVR with sutureless valve educational opportunities are not limited to COEs' programs but include proctorship program as well.

FOR PRODUCT SAFETY INFORMATION CLICK HERE
IN DEPTH DESCRIPTION

The University Hospitals Leuven (UZ Leuven) started their Perceval program in 2007, performing the First-in-man implantations together with centers in Paris and Hannover. They have currently Perceval patients with more than 12 years of follow-up and in total they have performed over 800 implants in various indications. Their data on the 11y follow-up in 468 patients have been presented at the latest AATS meeting in Toronto. This course can be tailored and can include live case observations with either combined procedures (AVR + CABG and/or multiple valves) in full sternotomy, or isolated AVR cases through mini-sternotomy approach. The course is guided by prof. Meuris and prof. Rega, both full professor at the Catholic University of Leuven (KU Leuven) and both are experienced Perceval proctors. They are staff members at the Department of Cardiac Surgery in Leuven since 2007. Together they have published over 200 peer-reviewed papers. KU Leuven also performed the pre-clinical research towards the novel anticalcification treatment on the Perceval Plus valve.

LOCATION

Universitair Ziekenhuis (UZ) Leuven - Belgium

INSTRUCTOR

Bart Meuris
Filip Rega

REQUIREMENTS

The course is specifically designed for Cardiac Surgeons. No additional requirements are needed. Trainee's Perceval experience, if any, should be provided ahead in order to tailor the program.

AGENDA

DAY ONE COURSE

11:00 - 12:30
- Course introduction
- Leuven Experience
- Key procedural steps

12:30 - 13:30 Lunch

13:30 - 16:00 Live case observation

16:00 - 17:00 MICS Drylab

19:00 Team dinner

DAY TWO COURSE

08:00 - 09:00
- Imaging protocol in MICS approach
- Case presentation

09:00 - 12:00 Live case observation

12:00 - 12:30 Q&A

12:30 Lunch and departure
**IN DEPTH DESCRIPTION**

The course is led by Dr. Mattia Glauber, the Head of the Mininvasive Cardiac Surgery Section - Cardiac Surgery Unit of the Istituto Clinico Sant'Ambrogio, that represents an excellence in minimally invasive cardic surgery. Mattia Glauber is one of the most experienced Perceval Proctor and started the Perceval program in 2011. With an experience of over 10,000 interventions, of which more than 3,000 are performed with a minimally invasive approach, he is considered an international reference point for minimally invasive cardiac surgery. Honorary Professor at the "College of Cardiovascular Surgery" of Peking University; Director since 2013 of the II Level Master "Innovation in cardiac surgery: Advances in Minimally Invasive Therapeutics" of the Scuola Superiore Sant'Anna in Pisa; Visiting Professor at University Hertz Zentrum in Leipzig he has a major teaching experience. Dr. Glauber is also LivaNova proctor for mitral solutions therefore is possible to extend the training agenda.

**INSTRUCTOR**

Mattia Glauber  
Cardiac surgeon

**LOCATION**

Istituto Clinico Sant'Ambrogio  
Milan - Italy

**INTENDED AUDIENCE**

This course is designed for cardiac surgeons and their medical centers seeking certification on Perceval implantation in order to broaden and advance their patient offering in the area of AVR therapies, devices and procedures or seeking an advanced training to broaden and advance their use of Perceval.

**DURATION**  
One day

**REQUIREMENTS**  
The course is specifically designed for Cardiac Surgeons. No additional requirements are needed. Trainee's Perceval experience, if any, should be provided ahead in order to tailor the program.

**AGENDA**

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<td>8:30 - 9:00</td>
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<td>12:00 - 13:00</td>
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<td>14:00 - 17:30</td>
<td>Second case in OR</td>
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<td>17:30 - 18:00</td>
<td>Debrief and closure</td>
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Other information:
- Maximum two visitors are allowed in the OR
- In the center usually mini-thoracotomy is performed
- Possible to extend the training to mitral repair
IN DEPTH DESCRIPTION
Ospedale del Cuore “G.Pasquinucci” started its Perceval program in 2011 and completed one of the first implants after the valve received CE Mark. Eight years later, the entire team at the hospital uses Perceval as the valve of choice, reaching 1000 patients treated, which has allowed them to expand their minimally invasive practice at the hospital. The course focuses on Right Anterior Thoracotomy (RAT) with the support of Dr. Solinas as leading trainer, very experienced Perceval proctor. After the internship in Department of Cardiac Surgery at University of Bologna (Policlinico Sant’Orsola) 1994-1999 Dr Solinas worked at St. Antonius Hospital (Nieuwegein, Holland), and at Goldman Children’s Heart Center, Columbia University, New York. He was as well consultant in Cardiac Surgery Imperial College University/Imperial College Trust, Hammersmith Campus, London and Honorary Senior Lecturer at Imperial College London. He is now Director Cardiac Surgery at Ospedale del Cuore “G.Pasquinucci”.

INSTRUCTOR
Marco Solinas
Cardiac surgeon

LOCATION
Ospedale del Cuore “G.Pasquinucci”
Massa - Italy

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Other information:
- Maximum three visitors are allowed in the OR
- In the center usually mini-thoracotomy is performed

INTENDED AUDIENCE
This course is designed for cardiac surgeons and their medical centers seeking certification on Perceval implantation in order to broaden and advance their patient offering in the area of AVR therapies, devices and procedures or seeking an advanced training to broaden and advance their use of Perceval.
**AVR with Sutureless valve - Villa Torri Hospital, Bologna, Dr. Del Giglio**

**INSTRUCTOR**
Mauro Del Giglio  
Cardiac surgeon

**LOCATION**
Villa Torri Hospital  
Bologna - Italy

**IN DEPTH DESCRIPTION**
The course is run by Dr. Mauro Del Giglio, experienced Perceval proctor. He completed the M.D. at University of Florence, the PhD at University of Modena and EMMAS Bocconi University in Milan. He worked in Marie Lannelongue, Paris, I. M. Montsouris, Paris, Maria Cecilia Hospital, Cotignola, Villa Torri Hospital, Bologna, ICSR Ome Brescia (Chief of Division), Gruppo San Donato, Milan, Villa Torri Hospital, Bologna. The focus of the course is on implantation techniques, product features, patient indications and selection, echocardiography evaluation, patient/clinical benefits and available clinical data. Live case observations are usually Right Anterior Thoracotomy which is routinely performed. Dr. Del Giglio is also LivaNova proctor for mitral solutions, therefore is possible to extend the training to include mitral repair as well.

**INTENDED AUDIENCE**
This course is designed for cardiac surgeons and their medical centers seeking certification on Perceval implantation in order to broaden and advance their patient offering in the area of AVR therapies, devices and procedures or seeking an advanced training to broaden and advance their use of Perceval.

**DURATION**
One day

**REQUIREMENTS**
The course is specifically designed for Cardiac Surgeons. No additional requirements are needed. Trainee's Perceval experience, if any, should be provided ahead in order to tailor the program.

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**Other information:**
- Maximum two visitors are allowed in the OR  
- In the center usually mini-thoracotomy is performed  
- Possible to extend the training to mitral repair
IN DEPTH DESCRIPTION

The course is run by Alberto Albertini, experienced Perceval proctor, chief of the cardiac surgery division. Up to 2017 he performed 3,500 valvular surgery interventions treating all types of pathology (degenerative, rheumatic, infectious, traumatic, ischemic and congenital). Since 2008 he performs routinely interventions of aortic valve replacement in ministernotomy and minitoracotomy, for a total of over a thousand interventions by Minimally invasive heart surgery reaching in the last 5 years. The focus of the course is on implantation techniques, product features, patient indications and selection, echocardiography evaluation, patient/clinical benefits and available clinical data. Dr. Albertini is also LivaNova proctor for mitral solutions, therefore is possible to extend the training to include mitral as well.

INSTRUCTOR
Alberto Albertini
Cardiac surgeon

LOCATION
Maria Cecilia Hospital
Cotignola - Italy

DURATION
One day

REQUIREMENTS
The course is specifically designed for Cardiac Surgeons. No additional requirements are needed. Trainee's Perceval experience, if any, should be provided ahead in order to tailor the program.

INTENDED AUDIENCE
This course is designed for cardiac surgeons and their medical centers seeking certification on Perceval implantation in order to broaden and advance their patient offering in the area of AVR therapies, devices and procedures or seeking an advanced training to broaden and advance their use of Perceval.

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Other information:
• Maximum two visitors are allowed in the OR but it's possible to have the course running in two ORs in parallel, this allow 4 trainees to attend the training.
• In the center usually mini-thoracotomy is performed
• Possible to extend the training to mitral repair
IN DEPTH DESCRIPTION

The course is led by Dr. Hindori, cardiac surgeon in OLVG hospital, experienced Perceval Proctor, member of NVT and of EACTS, performing minimally invasive approach, both ministernotomy and right anterior thoracotomy. OLVG is the largest heart center in Amsterdam with more than 800 heart operations per year. One of the most important area of focus of the hospital is minimally invasive heart surgery. The Chief of the cardiothoracic unit is Cocchieri Riccardo, experienced LivaNova proctor for mitral solutions therefore is possible to combine the aortic training with the mitral one, focusing on the minimally invasive techniques.

INSTRUCTOR
Hindori VG
Cardiac surgeon

LOCATION
OLVG
Amsterdam - The Netherlands

DURATION
One day

REQUIREMENTS
The course is specifically designed for Cardiac Surgeons. No additional requirements are needed. Trainee’s Perceval experience, if any, should be provided ahead in order to tailor the program.

INTENDED AUDIENCE
This course is designed for cardiac surgeons and their medical centers seeking certification on Perceval implantation in order to broaden and advance their patient offering in the area of AVR therapies, devices and procedures or seeking an advanced training to broaden and advance their use of Perceval.

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Other information:
• Maximum two visitors are allowed in the OR
• In the center usually mini-thoracotomy is performed
• Possible to extend the training to mitral repair
IN DEPTH DESCRIPTION

The course is run by Mr Max Baghai, clinical lead in cardiac surgery in King’s College Hospital and Perceval Masterproctor (one among less than 10 most experienced proctors). Graduated in 1996 from Imperial College Medical School in London, during his training in cardiothoracic surgery within the London deanery he was awarded a clinical fellowship by the British Heart Foundation to complete a PhD at King’s College London. His research evolved around techniques in preserving heart muscle during congenital cardiac surgery. He was awarded the Ethicon scholarship by the Society of Cardiothoracic Surgeons in the UK and went on a fellowship to Hong focusing in complex cardiac and minimal access surgery. He has been a consultant at King’s College Hospital since 2012 where he went on to build the minimal access program in cardiac surgery and the unit provides one of the largest and most diverse programs in the country.

INSTRUCTOR
Max Baghai
Cardiac surgeon

LOCATION
King’s College Hospital
London - UK

DURATION
One and half day

REQUIREMENTS
The course is specifically designed for Cardiac Surgeons. No additional requirements are needed. Trainee's Perceval experience, if any, should be provided ahead in order to tailor the program.

AGENDA

**DAY ONE COURSE**

- **18:15** Welcome and introduction
- **18:30 - 19:30** Perceval presentation
  - Implantation techniques, product features, patient indications and selection, echocardiography evaluation, patient/clinical benefits and available clinical data
  - Why I use a sutureless valve

**DAY TWO COURSE**

- **08:00 - 08:30** Case discussion
- **08:30 - 12:30** First case in OR
- **12:30 - 13:30** Lunch
- **13:30 - 17:00** Second case in OR
- **17:00 - 17:30** Debrief and closure

Other information:
- Maximum two visitors are allowed in the OR
- In the center usually mini-sternothomy is performed