Learning for Life

Customer training courses
2017

Start
Cardiology Courses

- Live 3D Transesophageal Echo in the operating room (Paris, France)
- Live 3D TEE training and workshop (Dortmund, Germany)
- Three-dimensional TEE acquisition and analysis 3D TEE advanced training (Amsterdam, The Netherlands)
- Speckle tracking technology and analysis (Amsterdam, The Netherlands)
- 3D Echo in daily routine (Rotterdam, The Netherlands)
- 3D Echocardiography in structural heart disease (London, United Kingdom)
- Transoesophageal Echocardiography in congenital heart disease (London, United Kingdom)
- Cardiac Assessment Master Class “Function to Perfusion” (London, United Kingdom)
- 8th West of Scotland advanced Echocardiography course (Glasgow, United Kingdom)
- UHSM Wythenshawe Introduction to Echo Course (Manchester, United Kingdom)
- Introduction to Transoesophageal Echocardiography (Southampton, United Kingdom)
- Live 3D TTE/TEE practical – training course and workshop (Bangkok, Thailand)
- Live 3D TEE training and workshop (Dortmund, Germany)
- Three-dimensional TEE acquisition and analysis 3D TEE advanced training (Amsterdam, The Netherlands)
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- Introduction to Transoesophageal Echocardiography (Southampton, United Kingdom)
- Live 3D TTE/TEE practical – training course and workshop (Bangkok, Thailand)

Point of Care Courses

- Ultrasound guided regional anaesthesia (Brussels, Belgium)

Radiology Courses

- Clinical use of PercuNav Fusion and Navigation System and Contrast Enhanced Ultrasound (CEUS) (Munich, Germany)
- International Uro Radiology Workshop (Munich, Germany)

Women’s Healthcare Courses

- Advanced fetal echocardiography course with 4d imaging (Warsaw, Poland)
An intensive two-day immersion workshop in the operating room of the cardiac surgery department with world-renowned expertise for valve surgery (Prof. Carpentier’s team).

Each attendee will have the opportunity to manipulate the probe in pre-pump and post-pump intraoperative TEE with Dr. Berrebi (course director).

Participant interactivity with the faculty is emphasized: sharing expertise, protocol, practical tricks and tips.

The course comprises intraoperative cases, slide presentations and interactive discussions of clinical cases.

The training is available both on iE33 and EPIQ 7. The course will be held in English. The number of participants is generally restricted to two people with an absolute maximum of three delegates.

**Cardiology training course**

<table>
<thead>
<tr>
<th>City:</th>
<th>Paris, France</th>
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| Course dates:  | February 21-22, 2017  
March 26-29, 2017  
April 25-26, 2017  
May 30-31, 2017  
June 27-28, 2017 |
| Course fee:    | € 2,250,- per participant |
| Cancellation fee: | Cancellation 14 days or less before the course: 50% |
| Faculty:       | Alain Berrebi, MD |
| Facility:      | Hôpital Européen Georges Pompidou (HEGP)  
20 rue Leblanc  
75015 Paris  
France |
| Contact:       | For registration or if you have further questions, please email to ultrasound.trainings@philips.com |
A 1.5 days training course introducing the use of the Live 3D Transesophageal transducer in the echo lab.

This course comprises lectures, Live 3D TEE patient exams in the echo lab, and hands-on quantification workshops.

The course is aimed at Cardiologists with a minimum experience of 20 Live 3D Echo patient examinations performed with a Philips 3D Echo system.

The course will be held in English with a maximum of four participants.
This course offers advanced training on acquisition, interpretation, and analysis of 3D TEE images. It is aimed at cardiologists, anesthesiologists and sonographers who want to introduce Live 3D TEE in the daily practice.

Workshop equipment: EPIQ, iE33, QLAB 10

**Cardiology training course**

<table>
<thead>
<tr>
<th>City:</th>
<th>Amsterdam, The Netherlands</th>
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<tbody>
<tr>
<td>Course dates:</td>
<td>October 21, 2017</td>
</tr>
<tr>
<td>Course fee:</td>
<td>€ 390,- per participant (€ 340,- for sonographers)</td>
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<tr>
<td>Faculty:</td>
<td>Dr. E.R. Holman</td>
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<tr>
<td></td>
<td>Dr. V. Delgado</td>
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<td></td>
<td>Dr. N. Ajmone Marsan</td>
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<tr>
<td>Facility:</td>
<td>TBD</td>
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<tr>
<td>Contact:</td>
<td>For registration or if you have further questions,</td>
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<tr>
<td></td>
<td>please email to <a href="mailto:ultrasound.trainings@philips.com">ultrasound.trainings@philips.com</a></td>
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</tbody>
</table>
This two-day course offers advanced training on Myocardial Deformation Imaging: Acquisition, analysis and interpretation of 2D Strain and Strain Rate.

A mix of lectures on current and future applications of 2D speckle tracking analysis and intense hands-on quantification workshops will ensure effective learning. The course will be held in English.
This two-day course is designed for adult echo-cardiologists wanting a clear introduction into the use of 3D echo in a daily routine.

The course offers a mixture of short lectures and extensive hands-on sessions (patient and software). The key learning objectives are 3D image optimization, data set acquisition, interpretation and quantification with a focus on left ventricular, left atrial and mitral valve function assessment.

Small working groups (maximum of 6–8 participants) will ensure a valuable learning experience, with the course being rated as “excellent” by 9 out of 10 customers!

The course will be held in English.
This is a two day course on the current applications of three-dimensional Echocardiography in structural heart disease with a strong emphasis on the practical aspects of dataset interrogation and interpretation.

A key component of the course will be interactive sessions in which participants can crop and orientate datasets with experienced staff using Philips’ QLAB software on a wide variety of congenital defects.

There will also be a session on evaluation of left ventricular function and dyssynchrony and a demonstration of 3D acquisition.

The course faculty is from the Department of Congenital Heart Disease, Evelina London Children’s Hospital, Guy’s and St Thomas’ NHS Foundation Trust.
This is a 3 day course in transoesophageal echocardiography with a faculty from the Evelina London Children's Hospital which has an international reputation in this field. The course is split into 3 days with a different emphasis on each day:

Practical approach to TOE with an introduction to standard views and extensive “hands on” exposure using the Heartworks simulator. Places will be limited to 12 delegates.

TOE of major congenital heart lesions including atrial septal defects, atrioventricular valves as well as right and left ventricular outflow tracts. Places will be limited to 15 delegates.

Three dimensional TOE
This day will involve sessions related to the 3D approach to different lesions by TOE and postprocessing techniques using Qlab software. Places will be limited to 15 delegates.
A one day live case workshop looking at stress echo with DSE and MCE for the assessment of CAD

- Understand the physical properties of contrast ultrasound agents.
- Appreciate the benefits of using contrast ultrasound agents in clinical practice.
- Gain knowledge of the clinical role of stress echocardiography.
- Gain insight into the assessment of myocardial perfusion using contrast agents.
- Develop a strategy for setting up a stress/contrast echo service.

Cardiology training course

City: London, United Kingdom
Course dates: June 29, 2017
Course fee: £200
Accreditation: BSE and CME accreditation applied for

Faculty:

Professor R. Senior
Senior Consultant Cardiologist, Director of Echocardiography, RBH
Dr Raj Khattar
Consultant Cardiologist, Consultant in Echocardiography, RBH
Dr Nav Chahal
Consultant in Echocardiography, RBH
Cathy West
Senior Chief Sonographer, RBH

Facility: Royal Brompton Hospital
London SW3 6NP
United Kingdom

Contact: For registration please contact:
Denise Bent
Philips Healthcare
Philips Centre, Unit 3, Guildford Business Park, Guildford GU2 8XH
United Kingdom
Tel.: +44 (0) 7789 746136
Email: denise.bent@philips.com
This interactive course offers a unique exposure to hands on experience in advanced echocardiographic methods such live 3D and strain imaging acquisition and analysis.

The course which is directed to operators with some prior Echocardiography experience, covers a wide spectrum of clinical cases and topics keeping abreast with advances in modern cardiac ultrasound.

**Lecture topics:** LV assessment: including 3D and strain / 2D and 3D Valve assessment / The Right Heart / Echo in LVAD and transplant / Echo in the ITU / Contrast Echo / 3D Echo and Interventional Lab / TAVI and Mitra-Clip Essentials / Congenital Echo Overview / Cardiomyopathies / Advances in Echo in the past year / Cardio Oncology.

**Demonstrations and discussion on:** 3D assessment of the mitral valve / Surgical orientation / segmental analysis / cropping / TDI, Strain and speckle tracking / Global Longitudinal strain / 3D assessment of volumes and LV (Laptops supplied with latest Philips QLAB software)

**Live Cases:** Live surgical cases from cardiac theatre / A Congenital Heart Condition
A three-day hands-on echo course aimed at Physiologists and Clinicians new to echo with little or no experience in Echocardiography wishing to improve their skills and level of understanding.

Topics covered include:

- Principles of Ultrasound
- Modalities (2D, PW/CW/Colour Doppler/TDI)
- Assessment of LV systolic and diastolic function, Valves and Right heart
- Measurements
- Pathology

City: Manchester, United Kingdom
Course dates: April 24-26, 2017
Course fee: £500.00 Including VAT (Refreshments and light lunch will be provided)
Registration closes 31st March 2017
Please make cheques payable to Echo Development Fund TSTC97.
CPD points applied for

Cancellations received within 6 weeks of the course date will be refunded, minus £50 deposit. Regretfully, any cancellations received within 10 working days of the course date will not receive a refund.

Faculty: Professor Simon Ray
Dr. Anita Macnab
Keith Pearce
Dr. Martin Stout
Jane Lynch
Catherine Barman

Facility: University Hospital South Manchester
The Education and Research Centre
Southmoor Road
Wythenshawe M23 9LT
United Kingdom

Contact: To register please contact:
Catherine Barman
Expert Cardiac Physiologist
UHSMechocourses@gmail.com
Any queries please telephone:
0161 291 4641
This two day course is aimed at trainees in cardiology, cardiothoracic surgery, anaesthesia & ITU as well as echocardiographers to acquire basic knowledge in TOE, to have hands-on training on simulators and to have exposure to case studies on dedicated workstations plus live TOE demonstration.
The Live 3D Echo Center at King Chulalongkorn Memorial Hospital (KCMH) is established to provide learning opportunities and hands-on experiences on 3-dimensional (3DTTE/TEE) Echocardiography with a strong emphasis on the practical aspects including image acquisitions, 3D-dataset analysis, QLAB use, live demo and clinical applications of 3D TTE/TEE Echocardiography.

This 2 day course is taught by experienced staff and includes didactic lectures, interactive sessions and most importantly, hands-on and demonstration sessions. The Live 3D Echo Center is equipped with 2-way communications capability between a classroom and a procedural room and also features hardware such as QLAB PCs/workstations which greatly enhance the learning aspect.

Cardiology training course

City: Bangkok, Thailand
Course dates: TBD 2017
Course fee: $ 800, – USD per participant
Cancellation fee: Cancellation 14 days or less before the course: 50 %
Faculty: Smonporn Boonyaratavej MD, MSc
Director, Echocardiography Lab
Facility: King Chulalongkorn Memorial Hospital
Chulalongkorn University. Cardiac Center
3D Training Center
Ayurasart (Medicine) Building
Rama IV Road
Bangkok
Thailand
Contact: For registration please contact:
Ms. Tippratumwan Noothad via email at cardiaccenter.kcmh@gmail.com
Please furnish your curriculum vitae when applying for the course. Participants must have experience in operating TEE and have Echocardiography background. The application is subject to acceptance by the course committee.
The course is designed for adult cardiologists and echocardiographers interested in advanced echo techniques. Topics covered include 2D, 3D image optimization, acquisition, system settings, exam protocols and efficient workflow.

Basic and advanced clinical applications of 3D transthoracic and transoesophageal echocardiography, deformation imaging (2D speckle tracking) and stress echocardiography will be discussed. Beside didactic lectures participants may join the everyday work, improve scanning skills, and develop experience with quantitative measurements using Qlab.

### Cardiology training course

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<thead>
<tr>
<th>City:</th>
<th>Budapest, Hungary</th>
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<tbody>
<tr>
<td>Course dates:</td>
<td>determined individually</td>
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<tr>
<td>Course fee:</td>
<td>€ 400, per day</td>
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<tr>
<td>Faculty:</td>
<td>Dr. Astrid Apor MD, Head of the division</td>
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<td></td>
<td>Dr. Anikó Nagy MD, PhD, Consultant cardiologist</td>
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<td></td>
<td>Dr. Timea Kováts MD, PhD, Consultant cardiologist</td>
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<tr>
<td></td>
<td>Dr. Alexandra Assabiny MD, Staff cardiologist</td>
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<tr>
<td>Facility:</td>
<td>Semmelweis University Heart Center</td>
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<tr>
<td></td>
<td>Városmajor street 68.</td>
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<tr>
<td></td>
<td>1122 Budapest</td>
</tr>
<tr>
<td>Contact:</td>
<td>For information and registration please contact</td>
</tr>
<tr>
<td></td>
<td>Dr. Astrid Apor – <a href="mailto:aporastrid@gmail.com">aporastrid@gmail.com</a></td>
</tr>
<tr>
<td></td>
<td>Zoltan Molnar – <a href="mailto:goltan.molnar@philips.com">goltan.molnar@philips.com</a></td>
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</table>
The trainings include Clinical lectures and discussions, Live scanning sessions with hands on guided by an expert, RT-3D acquisition, Reconstruction and Postprocessing, Live and off-line cropping, Measurements, Quantifications, Clip optimization and export using QLAB program. You can choose from the following clinical topics, the one (s) that is/are more relevant to your job responsibilities/challenges.

- **Adult Transthoracic Live 3D:** Integrating Three Dimensional Echocardiography in clinical practice (acquisition techniques, clinical applications and image analysis and quantification).
- **Adult Live 3D TEE:** Integrating Live 3D TEE in the daily Cardiology practice (identification of cardiac anatomy, acquisition, image management, analysis and quantification) Mitral Valve Assessment and Quantification (MVQ).
- **Adult Live 3D TEE during Cardiac surgery and Interventional procedures:** guidance and follow up during Interventional procedures.
- **QLAB training:** measurements such as: dimensions, areas, volumes, segmental LV analysis, vena contracta, nonconventional PISA method. (3DQ 3DQA, MVQ).

### Cardiology training course

| City: | Brno, Czech Republic |
| Course dates: | determined individually |
| Course fee: | 1 day Course fee: € 300  
2 days Course fee: € 550  
3 Days Course fee: € 750  
5 days Course fee: € 1.300 |
| Faculty: | Prof. Vlastimil Válek, Head of Department  
Dr. Marek Mechl  
Dr. Šárka Bohatá  
Dr. Karel Dvořák  
Dr. Andrea Sprlaková  
Dr. Jakub Hustý |
| Facility: | Centre of Cardiovascular Surgery and Transplantation  
65691 Brno, Pekařská 53,  
Czech Republic |
| Contact: | For further information about registration, please contact:  
Josef Necas – josef_necas@hotmail.com  
Sylva Kovalova – sylva.kovalova@cktch.cz |
An intensive two-day workshop in the anesthesiology department of ULB Erasme Hospital in Brussels, Belgium.

There will be lectures on fundamental ultrasound technology, basics in ultrasound for regional anesthesia with anatomical landmark review and hands-on workshops for ultrasound-guided regional anesthesia on models and phantoms.

In addition there will be a full day in the operating room where each participant will have the opportunity to see live procedures with ultrasound for regional anesthesia.

This course is designed to provide anesthetists a review of ultrasound imaging for regional anesthesia and interventional procedures for surgery.

Point of care training course

City: Brussels, Belgium

Course dates: Dates to be confirmed, but to register interest, please email to ultrasound.trainings@philips.com

Course fee: € 1,000.– per participant

Cancellation fee: Up to 14 days before: free. 14 days or less: € 450.–

Faculty: Pierre Pandin, MD
Professor Luc Van Obbergh
Head of Department of Anesthesiology and Critical Care
Professor Frederic Schuind
Head of Department of Orthopedy Traumatology
Professor Arlette Vandesteene
Head of the Ortho–Neuro Clinic
Marie Renard, MD

Facility: CUB Hospital Erasme
Department of Anesthesiology
Route de Lennik 808
1070 Brussels
Belgium

Contact: For registration or if you have further questions, please email to ultrasound.trainings@philips.com
The objective of this one-day course will be to demonstrate technique and clinical use of image fusion and CEUS for detecting and characterization of kidney lesions, liver lesions and EVAR follow-up.

Course agenda:
- Live case observation on routine patients with CEUS & images fusion
- Detection and characterization of kidney and liver lesions endovascular aortic repair (EVAR) follow-up with image fusion and CEUS
- Lecture on PercuNav fusion and navigation
- Lecture on CEUS
- Presentation of case studies showing use of fusion and CEUS
- Hands on training of a fusion and navigation workflow using a phantom

This exclusive course offers a small group, limited to 5 participants, an optimal chance to learn a new and exciting method of diagnosis.
Ultrasound and MRI are the two main types of imaging prostate cancer. The use of multiparametric MRI presents a major advancement in prostate cancer detection and diagnosis because of its superior imaging ability over ultrasound alone. MRI / Ultrasound Guided Fusion is a process that combines the strengths of both technologies in order to trap the prostate cancer during live TRUS scanning.

This Workshop will focus on MRI / Ultrasound guided prostate fusion and will give the participants the chance to gain an insight in daily prostate fusion workflow. During this course there will be plenty of time for individual training on phantoms and time to discuss clinical cases – from the straight forward, to the more complicated ones to interpret. Additionally you will see live cases of MRI/ US-Fusion guided prostate biopsies in the operating theatre. Here we will show the “State-of-the Art” Diagnostic in a streamline working “Uro –Radiology” cooperation.

We wish you a pleasant and informative stay in Munich.
The course is designed for obstetricians and pediatric cardiologists who would like to develop their skills in fetal echocardiography and knowledge about fetal cardiology. They will join the everyday work, which includes: whole fetal examination, ultrasound anatomy and Doppler evaluation and detailed echocardiography. Important tricks for screening fetal heart and advanced fetal echocardiography will be shown, including 3-4D exams.

Many fetuses are examined several times. Prenatal evolution of complicated heart defects will be discussed and evaluated from the archived exams. Several fetal cardiac problems are examined every day. Hands-on sessions are available.

Women’s Healthcare course

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<tr>
<th>City:</th>
<th>Warsaw, Poland</th>
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<tr>
<td>Course dates:</td>
<td>determined individually</td>
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<tr>
<td>Course fee:</td>
<td>1 day – 200 EUR (including lunch and tea/coffee)</td>
</tr>
<tr>
<td>Faculty:</td>
<td>Professor Joanna Szymkiewicz-Dangel MD, PhD Head, Consultant Fetal and Paediatric Cardiologist Pawel Wlasienko MD, PhD Clinical geneticist in training Adam Kolesnik MD Paediatric Cardiologist in training Joanna Kuran-Ohde MD Obstetrician in training</td>
</tr>
<tr>
<td>Facility:</td>
<td>Agatowa USG Clinic Ul. Agatowa 10 03-680 Warsaw Poland</td>
</tr>
<tr>
<td>Contact:</td>
<td>For registration or if you have further questions, please contact Iwona Tomczyk at <a href="mailto:fetus@usgecho4d.pl">fetus@usgecho4d.pl</a></td>
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</tbody>
</table>
... and provide the best possible healthcare for your patients

Philips Healthcare Education programs do more than keep your team competent with our latest imaging, diagnostic, and monitoring technologies. Our people-focused learning programs motivate your staff and support their continuing education needs, helping them improve patient care and save lives. We see education as learning for life.

Philips Education offers a wealth of education programs for all healthcare professionals:

Clinical Applications Education – learn basic and advanced system functionality and clinical solutions

Clinical Continuing Education – gain first-hand knowledge from peer-to-peer clinical courses, clinical fellowships and seminars, and continuing online education

Professional Development Education – build personal skills, develop leadership, and foster teamwork with simulation training

Technical Service Education – learn first line maintenance, and advanced system repair

Now, for 2017, we are pleased to offer a comprehensive selection of education courses that will ensure you have the skills and time to focus on what’s most important – your patients. Be sure to register now to ensure your place.

How to register
If you are interested in participating in any of the courses listed in this booklet, please get in touch with the representatives indicated in the contact section of the course tables. For more information about any of the courses, please email us at ultrasound.trainings@philips.com.

Check our website
For further learning opportunities, take a look at our comprehensive ultrasound education courses listings under the Education by Product section at www.learningconnection.philips.com, where we regularly update new courses and information.

Course fees
All prices shown may be subject to change without notice. Failure to provide the required cancellation notification will result in 100% charge of the course.