Learning for Life
Customer training courses 2016
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 (Leiden, The Netherlands)
- 3D Echo in daily routine (Rotterdam, The Netherlands)
- Live 3D TEE/TTE training and workshop (Hong Kong)
- 7th West of Scotland advanced Echocardiography course (Glasgow, United Kingdom)
- 3D Echocardiography in structural heart disease (London, United Kingdom)
- Wythenshawe introduction to Echocardiography hands-on course (Manchester, United Kingdom)
- Introduction to Transoesophageal Echocardiography (Southampton, United Kingdom)
- Transoesophageal Echocardiography in congenital heart disease (London, United Kingdom)
- Live 3D TTE/TEE practical – training course and workshop (Bangkok, Thailand)
- CHD 3D-RT Echocardiography in clinical context course and hands-on workshop (Doha, Qatar)

### 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

- International Symposium on Breast Cancer Diagnostic Imaging (Stockholm, Sweden)
- 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 IE 33 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.

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**Cardiology training course**

<table>
<thead>
<tr>
<th>City:</th>
<th>Paris, France</th>
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</thead>
<tbody>
<tr>
<td>Course dates:</td>
<td>January 26-27, 2016</td>
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<tr>
<td></td>
<td>February 16-17, 2016</td>
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<tr>
<td></td>
<td>March 22-23, 2016</td>
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<td>April 19-20, 2016</td>
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<td>May 24-25, 2016</td>
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<td></td>
<td>June 21-22, 2016</td>
</tr>
<tr>
<td>Course fee:</td>
<td>€ 2,250,- per participant</td>
</tr>
<tr>
<td>Cancellation fee:</td>
<td>Cancellation 14 days or less before the course: 50%</td>
</tr>
<tr>
<td>Faculty:</td>
<td>Alain Berrebi, MD</td>
</tr>
<tr>
<td>Facility:</td>
<td>Hôpital Européen Georges Pompidou (HEGP)</td>
</tr>
<tr>
<td></td>
<td>20 rue Leblanc</td>
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<tr>
<td></td>
<td>75015 Paris</td>
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<tr>
<td></td>
<td>France</td>
</tr>
<tr>
<td>Contact:</td>
<td>For registration or if you have further questions, please email to <a href="mailto:ultrasound.trainings@philips.com">ultrasound.trainings@philips.com</a></td>
</tr>
</tbody>
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Back
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 the iE33 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
This two-days course is designed for adult echo cardiologists wanting to get a clear introduction to the use of 3D echo in daily routine.

The course offers a mix of lectures and hands-on sessions. 3D image optimization, data set acquisition, interpretation and quantification with a focus on left ventricular and mitral valve function assessment are the key learning objectives.

Working in a small group of a maximum of seven participants will ensure an intense learning experience.

The course will be held in English.
This 1.5-day course provides essential training on the state-of-the-art applications of 3D Echocardiography in a wide spectrum of clinical settings.

There will be strong emphasis on basic knowledge of cardiac anatomy, live 3D TTE/TEE scanning skills, practical hands-on sessions in which participants can crop and orientate 3D datasets with experienced staff, perform clinically relevant quantitative measurement using QLAB software, and demo of live 3D TEE guidance of interventional procedures.

It is aimed at cardiologists, anesthesiologists, and sonographers who want to introduce 3D echo in the daily practice.
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 TDI, strain, 3D and contrast / Echo in heart failure and VAD assessment and transplant / Using 3D in the Echo and Intervention Lab including TAVI and MitraClip / Contrast echo – LVO, stress, perfusion and shunts TAVI & MitraClip work-up/shake down / RV function and Pulmonary Hypertension assessment.

**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:** LVO Opacification and myocardial perfusion / The Congenital Heart Disease patient – scanning approach

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**Cardiology training course**

| City: | Glasgow, United Kingdom |
| Course dates: | TBD 2016 |
| Course fee: Cardiac physiologists/radiographers: £300.00 (plus VAT* £60.00, £360.00 total) Other medical professionals: £350.00 (plus VAT* £70.00, £420.00 total) Includes evening dinner on day one |
| Accreditation: | 6BSE points and 12 CPD points awarded 2014 |
| Cancellation fee: | Cancellation 14 days or less before the course: 50% |
| Faculty: | Dr. Niko Tzemos  
Staff Cardiologist  
Dr. Piotr Sonecki  
Consultant Cardiologist  
Dr. Andrew McCulloch  
Consultant Cardiologist  
Dr. Tony Stanton  
Associate Professor, Director of Research  
Dr. Nawwar Al-Attar  
Consultant Cardiac & Transplantation Surgeon  
Honorary Clinical Associate Professor  
Ruth Kelly  
Lead Specialist Cardiac Ultrasound  
Kenneth Oliver  
Philips UK and Ireland |
| Facility: | Golden Jubilee National Hospital  
Agamemnon Street  
Glasgow GU2 8XH  
United Kingdom |
| Contact: | Jennifer Giddins  
Email: jennifer.giddins@philips.com |
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.
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

**Cardiology training course**

<table>
<thead>
<tr>
<th>City:</th>
<th>Manchester, United Kingdom</th>
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<tbody>
<tr>
<td><strong>Course dates:</strong></td>
<td>April 26-28, 2016</td>
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<tr>
<td><strong>Course fee:</strong></td>
<td>£500.00 Including VAT</td>
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<td>(Refreshments and light lunch will be provided)</td>
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<td></td>
<td>Early Bird fee £450.00 including VAT for registration received before 31st December 2015</td>
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<td></td>
<td>Registration closes 31st March 2016</td>
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<td></td>
<td>Please make cheques payable to Echo Development Fund TSTC97</td>
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<td></td>
<td>Cancellations received within 6 weeks of the course date will be refunded, minus £50 deposit. Regrettfully, any cancellations received within 10 working days of the course date will not receive a refund.</td>
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<tr>
<td><strong>Faculty:</strong></td>
<td>Professor Simon Ray</td>
</tr>
<tr>
<td></td>
<td>Dr. Anita Macnab</td>
</tr>
<tr>
<td></td>
<td>Keith Pearce</td>
</tr>
<tr>
<td></td>
<td>Dr. Martin Stout</td>
</tr>
<tr>
<td><strong>Facility:</strong></td>
<td>University Hospital South Manchester The Education and Research Centre Southmoor Road Wythenshawe M23 9LT United Kingdom</td>
</tr>
<tr>
<td><strong>Contact:</strong></td>
<td>To register please contact Eileen McLaggan. Cardiac Diagnostic Centre Administrator. <a href="mailto:Eileen.mclaggan@uhsm.nhs.uk">Eileen.mclaggan@uhsm.nhs.uk</a></td>
</tr>
<tr>
<td></td>
<td>Any queries please telephone +44 (0) 1612 914643</td>
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</tbody>
</table>
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.
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, atroventricular 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.
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, livedemo 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

<table>
<thead>
<tr>
<th>City:</th>
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<tbody>
<tr>
<td>Course dates:</td>
<td>TBD 2016</td>
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<tr>
<td>Course fee:</td>
<td>$ 800,- USD per participant</td>
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<tr>
<td>Cancellation fee:</td>
<td>Cancellation 14 days or less before the course: 50 %</td>
</tr>
<tr>
<td>Faculty:</td>
<td>Smonporn Boonyaratavej MD, MSc</td>
</tr>
<tr>
<td></td>
<td>Director, Echocardiography Lab</td>
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<tr>
<td>Facility:</td>
<td>King Chulalongkorn Memorial Hospital</td>
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<tr>
<td></td>
<td>Chulalongkorn University. Cardiac Center</td>
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<td></td>
<td>3D Training Center</td>
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<td></td>
<td>Ayurasart (Medicine) Building</td>
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<td>Rama IV Road</td>
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<td>Bangkok</td>
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<td>Thailand</td>
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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.
This two-day course is designed for adult cardiologists, with experience in 3D Echocardiography. Audience will accompany the speakers during actual cases in multiple settings, from Echocardiography lab to catheterization lab or operating room. Strong emphasis is given on the practical aspects of this technique and in particular:

- Participants will see how Live 3D TEE is used clinically with direct explanation of the tools available to interrogate the heart.
- Education material will be presented in the form lectures, live demonstrations of 3D Post processing, manipulation, display-orientation and quantitative analysis.
- A workshop covering internal cardiac anatomy and extensive cropping and quantification series using QLAB will round out the program.
- These sessions will provide a review of the fundamentals of live 3D image acquisition, quantifications and its practical clinical utility.

All Participants will have ample opportunity to develop hands-on experience on QLAB and address technical issues with the support of our Clinical Application Specialist. The workshop is limited to 25 participants.
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.

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**Point of care training course**

<table>
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<tr>
<th>City</th>
<th>Brussels, Belgium</th>
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<tbody>
<tr>
<td>Course dates</td>
<td>Dates to be confirmed, but to register interest, please email to <a href="mailto:ultrasound.trainings@philips.com">ultrasound.trainings@philips.com</a></td>
</tr>
<tr>
<td>Course fee</td>
<td>€ 1,000,- per participant</td>
</tr>
<tr>
<td>Cancellation fee</td>
<td>Up to 14 days before: free. 14 days or less: € 450,-</td>
</tr>
</tbody>
</table>
| Faculty       | Pierre Pandin, MD  
Professor Luc Van Obbergh  
Head of Department of Anesthesiology and Critical Care  
Professor Frederic Schuind  
Head of Department of Orthopedic Traumatology  
Professor Arlette Vandesteene  
Head of the Ortho–Neuro Clinic  
Marie Renard, MD |
| Facility      | CUB Hopital 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.

Radiology training course

City: Munich, Germany

Course dates: March 10, 2016

Course fee: € 570,- per participant

Cancellation fee: No fee up to 28 days before 50% after 28 days

Accreditation: This course has been accredited with 9 CPD by the Royal College of Radiologists

Faculty:
- Professor Dr. Dirk-André Clevert, MD
  Section Chief, Interdisciplinary Ultrasound-Center, Department of Clinical Radiology,
  University of Munich-Grosshadern Campus
- Mrs. Ursula Bischof
  Philips Germany

Facility: Klinikum Muenchen Grosshadern
- Roentgen B
- Gangway GH
- Level 0
- Marchioninistraße 15
- 81377 Munich
- Germany

Contact: For registration or if you have further questions, please email to ultrasound.trainings@philips.com
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 straightforward, 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.
Course agenda:

- European new guidelines, challenges, pros, cons and controversies in screening mammography.
- Present and future for digital tomosynthesis.
- New advances in spectral mammography.
- Breast ultrasonography as a method for diagnosis and regional staging in breast cancer; instrumentation and technique of examination.
- Is there a role for ultrasonography in screening for breast cancer?
- Breast MRI protocol, indications and lesions interpretation.
- An update of diagnostic criteria and “problem solving” breast MRI.
- Abbreviated breast MRI: a new screening method?
- Hands-on biopsy workshop (ultrasound and MRI-guided: core/vacuum assisted biopsies)*
- Breast MRI interactive cases with mentors (reading session)**

* Hands-on biopsy workshop (US/MRI): Bröstcentrum Södersjukhuset, level 1 (with a limited number of seats)
** Breast MRI interactive cases with mentors on Saturday Oct 8 (to be confirmed, with a limited numbers of seats)
Advanced fetal echocardiography course with 4D imaging
Philips Education – design for obstetricians and pediatric cardiologists

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

<table>
<thead>
<tr>
<th>City:</th>
<th>Warsaw, Poland</th>
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<tbody>
<tr>
<td>Course dates:</td>
<td>determined individually</td>
</tr>
<tr>
<td>Course fee:</td>
<td>1 day – 200 EUR (including lunch and tea/coffee)</td>
</tr>
</tbody>
</table>
| Faculty:               | Professor Joanna Szymkiewicz-Dangel MD, PhD  
                          Head, Consultant Fetal and Paediatric Cardiologist  
                          Paweł Własienko MD, PhD  
                          Clinical geneticist in training  
                          Adam Koleśnik MD  
                          Paediatric Cardiologist in training  
                          Joanna Kuran-Ohde MD  
                          Obstetrician in training |
| Facility:              | Agatowa USG Clinic  
                          Ul. Agatowa 10  
                          03-680 Warsaw  
                          Poland |
| Contact:               | For registration or if you have further questions, please contact Iwona Tomczyk at fetus@usgecho4d.pl |
... 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 2016, 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.