

A full-page background image of a surgical team in an operating room. Two surgeons in blue scrubs and masks are focused on a patient lying on a table, covered with a blue drape. A large monitor in the background displays medical data and anatomical maps. The Philips logo is in the top left corner, with text for 'IGT Devices International' and 'Training & Education' below it.

**PHILIPS**

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International

Training & Education

# Education calendar 2024

## International courses

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# Coronary face-to-face courses



**Contact:**  
Sameer.birje@philips.com to register

## Coronary face-to-face courses

### Q1

Course date	Course title	Course facilitator/s	Course location
January 25 & 26	Vessel preparation course	Prof. Mohaned Egred	Dubai
March 7 & 8	Interactive IVUS guided live-case CTO course	Dr. Roberto Garbo	Turin, Italy
March 18 & 19	Precision PCI	Prof. Jacek Legutko	Krakow, Poland

### Q2

Course date	Course title	Course facilitator/s	Course location
April 15 & 16	How to improve your PCI skills with IVUS	Prof. Robert Gill	Warsaw, Poland
April 22 & 23	Advances in Co-registration of physiology and imaging course	Prof. Justin Davies Prof. Javier Escaned Prof. Andrew Sharp	Madrid, Spain
April 22 & 23	Ultra low contrast PCI	Prof. Justin Davies Prof. Javier Escaned Dr. Nieves Gonzalo	Madrid, Spain
June 17 & 18	Vessel Preparation Course	Dr. Peter O'Kane Dr. Rasha Al Lamee	TBD



## Coronary face-to-face courses

### Q3

Course Ddate	Course title	Course facilitator/s	Course location
July 1 & 2	Precision PCI	Prof. Jacek Legutko	Krakow, Poland
September 9 & 10	How to improve your PCI skills with IVUS	Prof. Robert Gil	Warsaw, Poland
September 26 & 27	Interactive IVUS Guided Live-case CTO course	Dr. Roberto Garbo	Turin, Italy
September 30 & October 1	Planning and guidance of complex percutaneous coronary interventions course	Prof. Justin Davies Prof. Javier Escaned Dr. Nieves Gonzalo	Madrid, Spain
September 30 & October 1	Ultra Low Contrast PCI	Prof. Justin Davies Prof. Javier Escaned Dr. Nieves Gonzalo	Madrid, Spain

### Q4

Course date	Course title	Course facilitator/s	Course location
October 10 & 11	Advances in invasive physiology & intravascular imaging - Nurses and technicians course	Dr. Sayan Sen Dr. Rasha Al-Lamee Dr. Ricardo Petraco	TBD
October 21 & 22	Precision PCI	Prof. Jacek Legutko	Krakow, Poland
November 7 & 8	Vessel preparation course	Dr. Peter O'Kane Dr. Rasha Al-Lamee	TBD



# Advances in invasive physiology & intravascular imaging - Nurses and technicians course

Attendees: 200



Facilitated by doctors Sayan Sen, Rasha Al-Lamee, and Ricardo Petraco

## When:

**October 10-11, 2024: Face-to-face course**

## Program description:

This course provides healthcare professionals with comprehensive knowledge of IVUS and physiology. The course covers essential fundamentals while also teaching the necessary advanced skills for effective use of both modalities. Our objectives include understanding the basics of coronary physiology, the physics of ultrasound imaging, hands-on practice applying this knowledge in the clinical setting to interpret physiological indices and use IVUS effectively.



### Course facilitators:

Dr. Sayan Sen is the Interventional Cardiologist lead the Imperial NHS Trust. He is recognised as an expert in intra-coronary physiology and intravascular imaging and often performs live cases to International Conferences. His PhD pioneered a new technique of stenosis evaluation (the instantaneous wave-free ratio, iFR).



Dr. Rasha Al-Lamee is an Interventional Cardiology Consultant at Imperial College Healthcare NHS Trust in London, UK. She has more than 50 peer-reviewed publications and has presented at international cardiology conferences worldwide.



Dr. Ricardo Petraco is an NIHR Lecturer in interventional Cardiology, Imperial College London and Hammersmith Hospital. Recognised as one of the lead researchers responsible for developing iFR, he has published extensively on coronary physiology and teaches worldwide on the subject.



### Contact:

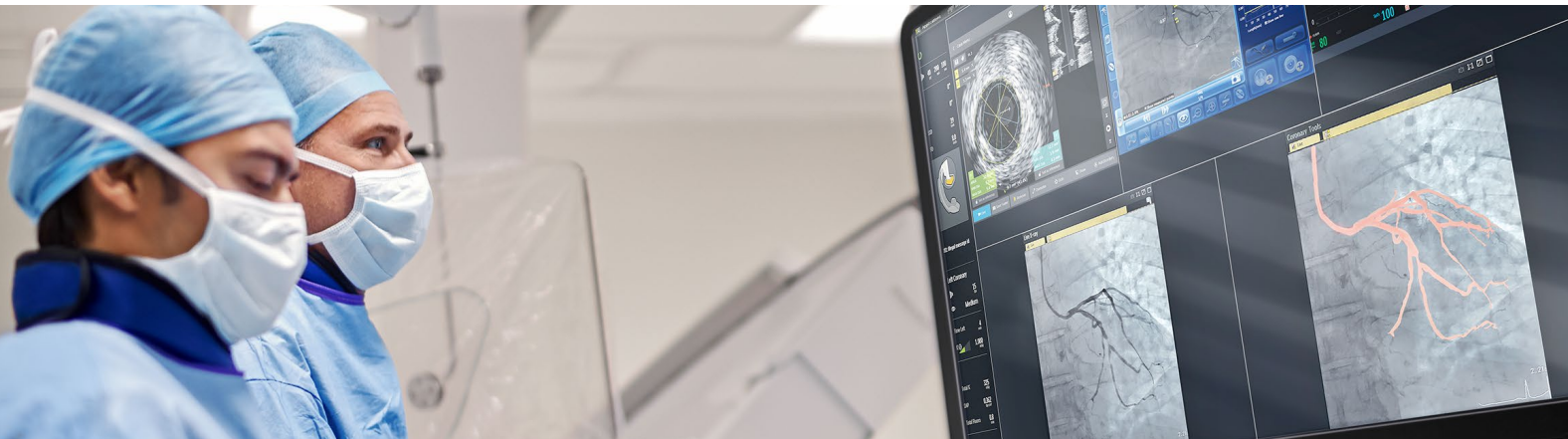
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# Advances in Co-registration of physiology and imaging course

Attendees: 150



Facilitated by Justin Davies, Javier Escaned, Andrew Sharp

## When:

**April 22- 23, 2024: Face-to-face course with remote link**

## Program description:

Advances in Co-registration, coronary physiology, and intracoronary imaging is an international course that focuses on intracoronary Co-registration. Led by a renowned faculty, it specializes in coronary Co-registration and provides a comprehensive guide to coronary physiology and imaging. The course includes live case demonstrations, case examples, and hands-on breakout sessions to help integrate new knowledge into clinical practice. The objectives of the course include understanding coronary physiology and IVUS imaging, implementing iFR and FFR in the laboratory, and using co-registration in daily practice to improve patient care.



### Course facilitators:

Prof. Justin Davies is a leading clinical academic in the field of interventional cardiology, Prof. Davies has pioneered several new techniques, including coronary wave intensity and instantaneous wave-free ratio (iFR).



Prof. Javier Escaned is Head of the Interventional Cardiology Section at Hospital Clinico San Carlos, Madrid. He has authored over 300 scientific articles, books, and book chapters on different aspects of interventional cardiology.



Prof. Andrew Sharp is a Consultant Cardiologist at the University Hospital of Wales, Cardiff, UK. He is on the steering committee of the IMPROVE trial and regularly teaches complex PCI and imaging techniques to audiences worldwide.



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# Ultra low contrast PCI

Attendees: 150



Facilitated by Justin Davies, Javier Escaned, Nieves Gonzalo

## When:

**April 22 - 23, 2024: Face-to-face course with remote link**

**September 30 - October 1, 2024: Face-to-face course with remote link**

## Program description:

This course will explore how diagnostic and therapeutic tools can be best applied in the practice of complex PCI, providing a holistic approach to coronary revascularisation in challenging patient subgroups. A distinguished faculty, all of whom are engaged in cutting-edge PCI and experts in coronary imaging and physiology will facilitate discussion and interaction with attendees. Live case transmissions will be presented and we hope you will find the course informative and stimulating leaving you prepared to implement the latest intracoronary guidance techniques in your catheter laboratory.



### Course facilitators:

Prof. Justin Davies is a leading clinical academic in the field of interventional cardiology, Prof. Davies has pioneered several new techniques, including coronary wave intensity and instantaneous wave-free ratio (iFR).



Prof. Javier Escaned is Head of the Interventional Cardiology Section at Hospital Clinico San Carlos, Madrid. He has authored over 300 scientific articles, books, and book chapters on different aspects of interventional cardiology.



Dr. Nieves Gonzalo is a Consultant Interventional Cardiologist at the Interventional Cardiology Department at Clinico San Carlos University Hospital in Madrid.



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# Planning and guidance of complex percutaneous coronary interventions course

Attendees: 150



Facilitated by Justin Davies, Javier Escaned, Nieves Gonzalo

## When:

**September 30 - October 1, 2024: Face-to-face course with remote link**

## Program description:

Interventional cardiologists are increasingly interested in ultralow contrast (ULC) coronary interventions. These procedures aim to reduce the reliance on contrast injections, particularly in complex and high-risk cases. To address this growing interest, a dedicated course on ULC percutaneous coronary intervention (PCI) has been developed. The curriculum of the course will cover importance of a change in practice regarding ULC PCI and provide training on utilizing available imaging material and utilizing dedicated tools, techniques during the intervention, live case discussions and planning and guidance of complex PCI.



### Course facilitators:

Prof. Justin Davies is a leading clinical academic in the field of interventional cardiology, Prof. Davies has pioneered several new techniques, including coronary wave intensity and instantaneous wave-free ratio (iFR).



Prof. Javier Escaned is Head of the Interventional Cardiology Section at Hospital Clinico San Carlos, Madrid. He has authored over 300 scientific articles, books, and book chapters on different aspects of interventional cardiology.



Dr. Nieves Gonzalo is a Consultant Interventional Cardiologist at the Interventional Cardiology Department at Clinico San Carlos University Hospital in Madrid.



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# Interactive IVUS guided live-case CTO course

Attendees: 30



Facilitated by Dr. Roberto Garbo

## When:

**March 7 - 8, 2024: Face-to-face course**

**September 26 - 27, 2024: Face-to-face course**

## Program description:

The dedicated CTO course, led by Dr. Garbo, focuses on the challenging field of chronic total occlusion (CTO) in percutaneous coronary intervention (PCI). The course is based around live CTO cases and highlights the use of intravascular ultrasound (IVUS) in guiding CTO procedures. Participants will engage in an interactive educational approach, planning live cases with Dr. Garbo, and analyzing procedures in depth. Dr. Garbo will share his expertise and opinions on IVUS-guided CTO with clinicians, emphasizing strategy, procedural planning, and case analysis.



## Course facilitator:

Dr. Roberto Garbo is currently the Director of CTO and Complex PCI program at Maria Pia Hospital, GVM Care & Research Turin, Italy. Prior to this, he was Director of Interventional Cardiology at San Giovanni Bosco Hospital in Turin, where he established the CTO program in 2008. He is a proctor in complex PCI with Rotational Atherectomy and in CTO IVUS-guided PCI with antegrade and retrograde approach. He has taught in many Cath Labs in Italy, Europe, and EMEA, and has performed more than 2500 CTO PCI in the last 10 years, 1200 using the retrograde approach.



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# Vessel preparation course

Attendees: 30



Facilitated by Professor Mohaned Egred, Freeman Hospital, Newcastle, UK

## When:

**January 25 - 26, 2024: Face-to-face course**

## Program description:

This vessel preparation course provides specialized training and education on the techniques and procedures used to prepare vessels with the help of Laser atherectomy and scoring balloons for interventional cardiology procedures. Vessel preparation ensures safe and effective procedures in Interventional Cardiology. It involves techniques and procedures to analyze and prepare blood vessels before performing interventions. Proper vessel preparation leads to improved patient outcomes, reduced complications, and increased procedural efficiency. This program will cover: an overview of the technologies; Hands-on set up and practical considerations, as well as case studies with complex coronary lesions.



## Course facilitator:

Professor Mohaned Egred took up his consultant post at the Freeman Hospital in 2008 and is Professor of Interventional Cardiology and Cardiovascular Medicine. Professor Egred has a special interest in treatment of chronic total occlusions, complex coronary interventions with adjunctive devices, in addition to surgical turn down patients. He is committed to teaching and has trained many physicians both in UK and internationally in devices such as Rotational and Laser Atherectomy. He is a proctor for consultants in multiple coronary procedures and conducts regular training courses for consultants.



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# Vessel preparation course

Attendees: 100



Facilitated by Dr. Peter O’Kane and Dr. Rasha Al Lamee

## When:

**June 17 - 18, 2024: Face-to-face course**

**November 7 - 8, 2024: Face-to-face course**

## Program description:

This vessel preparation course provides specialized training and education on the techniques and procedures used to prepare vessels with the help of Laser atherectomy and scoring balloons for interventional cardiology procedures. Vessel preparation ensures safe and effective procedures in Interventional Cardiology. It involves techniques and procedures to analyze and prepare blood vessels before performing interventions. Proper vessel preparation leads to improved patient outcomes, reduced complications, and increased procedural efficiency. This program will cover: an overview of the technologies; Hands-on set up and practical considerations, as well as case studies with complex coronary lesions.

## Course facilitator:



Dr. Peter O’Kane was appointed as a Consultant Interventional Cardiologist at Royal Bournemouth Hospital and has performed more than 7,000 PCI cases. He has extensive experience with coronary physiology and intra-coronary imaging to guide intervention. In addition, he is extremely experienced with the many tools and techniques to manage bifurcations, calcification, and chronic occlusions. He is a proctor for consultants and conducts regular training courses for consultants and HCP’s worldwide.



Dr. Rasha Al-Lamee is an Interventional Cardiology Consultant at Imperial College Healthcare NHS Trust and a clinical academic at Imperial College London. She has expertise in general and interventional cardiology. She is a clinical trialist and her research interests are in coronary intervention, coronary physiology, and invasive intravascular assessment. She has extensive experience in teaching physicians and HCP’s worldwide and always receives the highest praise for her teaching style and abilities.



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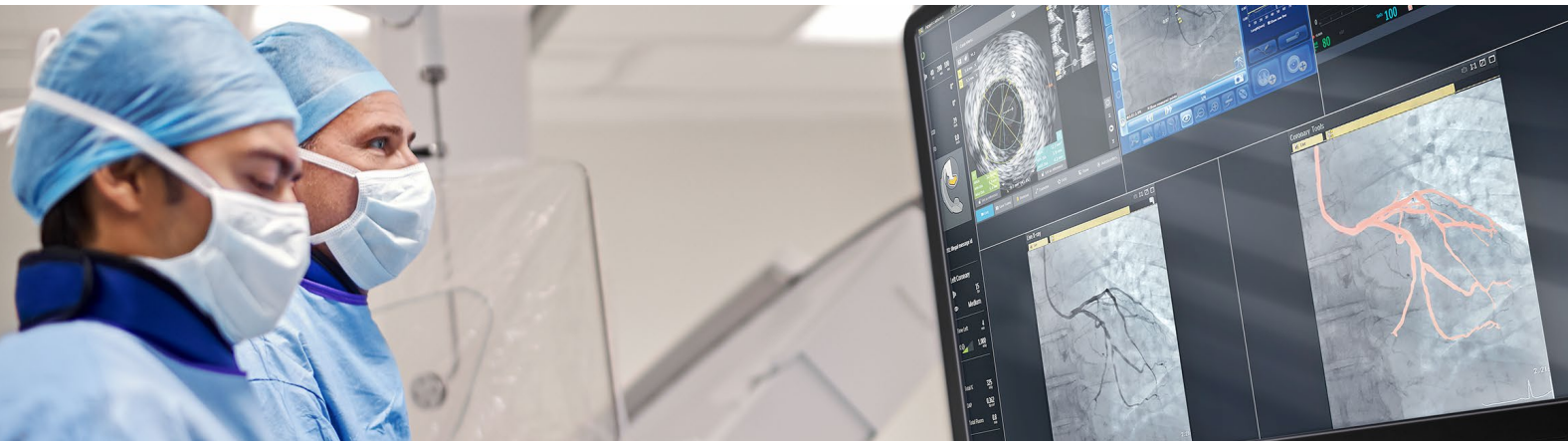






# Precision PCI

Attendees: 10



Facilitated by Prof. Jacek Legutko

## When:

**March 18 - 19, 2024: Face-to-face course**

**July 1 - 2, 2024: Face-to-face course**

**October 21 - 22, 2024: Face-to-face course**

## Program description:

The integration of IVUS and physiology in PCI enhances the accuracy and effectiveness of interventions, contributing to improved patient outcomes and minimizing unnecessary procedures. The course, precision percutaneous coronary intervention (PCI) in interventional cardiology will review the importance of evidence-based treatment strategy that is guided by use of advanced techniques such as intravascular ultrasound and physiological assessments.



## Course facilitator:

Dr. Jacek Legutko is an Interventional Cardiologist at Jagiellonian University Medical College, Head of the Clinical Department of Interventional Cardiology, John Paul II Hospital in Krakow, and Chair of the Scientific Congress Committee of the Polish Cardiac Society. He has performed a series of studies in those areas and has participated in many clinical trials. He has also served as a Faculty member, live case operator, and facilitator for several interventional cardiology meetings including EuroPCR, PCR Africa, TCT, C3, CardioEgypt, and WCCI.



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# How to improve your PCI skills with IVUS

Attendees: 15



Facilitated by Prof. Robert Gil

## When:

**April 15 - 16, 2024: Face-to-face course**

**September 9 - 10, 2024: Face-to-face course**

## Program description:

The objective of the "How to improve your PCI skills with IVUS" course is to enhance participants' skills in performing PCI procedures using intravascular ultrasound (IVUS) technology. The course aims to provide a comprehensive understanding of IVUS imaging, interpretation, and its application in guiding PCI procedures. Its goal is to effectively integrate IVUS guidance into PCI procedures to optimize outcomes. Additionally, the course seeks to help participants recognize and manage common complications and challenges related to IVUS-guided PCI and improve patient selection and procedural decision-making using IVUS imaging.



## Course facilitator:

Robert Gil is Head of the Department of Invasive Cardiology of the Clinical Hospital of the Ministry of the Interior and Administration (MSWiA) in Warsaw, Poland, a position he has held since 2001. Prof. Gil has been part of the expert team handling accreditation in cardiology, as appointed by the Polish Minister of Health. In addition, since 2002, he has been a Consultant of Healthcare for cardiology for the Ministry of the Interior and Administration. Prof. Gil has wide scientific and research interests including the evaluation of atherosclerotic plaque characteristic and distribution, coronary stenosis significance, treatment of complex lesions, notably bifurcation lesions using invasive diagnostic techniques that include IVUS and iFR/FFR.



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# Coronary remote courses



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## Coronary remote courses

### Q1

Course date	Course title	Course facilitator/s	Course location
January 15	Philips Laser Atherectomy System — Excimer	Prof.Mohaned Egred	Remote
February 20	Tri-registration training with SyncVision	Dr. Rasha Al-Lamee	Remote
February 25	IVUS image interpretation	Prof. Andrew Sharp	Remote
February 26	Left main image interpretation	Prof. Jose M de la Torre	Remote
March 28	IVUS Image Interpretation	Prof. Andrew Sharp	Remote

### Q2

Course date	Course title	Course facilitator/s	Course location
April 8	Excimer coronary laser atherectomy	Prof. Mohaned Egred	Remote
April 30	Tri-registration training with SyncVision	Dr. Rasha Al-Lamee	Remote
May 2	Philips Laser Atherectomy System — Excimer	Dr. Peter O’Kane & Dr. Jehangir Din	Remote
May 7	Ultra low contrast training	Dr. Hesham Abdelaziz	Remote



## Coronary remote courses

### Q3

Course date	Course title	Course facilitator/s	Course location
June 3	Left main image interpretation	Prof. Jose M de la Torre	Remote
July 1	Philips Laser Atherectomy System — Excimer	Prof. Mohaned Egred	Remote
July 18	Philips Laser Atherectomy System — Excimer	Dr. Peter O’Kane & Dr. Jehangir Din	Remote
August 20	Ultra low contrast training	Dr. Hesham Abdelaziz	Remote
September 10	Tri-registration training with SyncVision	Dr. Rasha Al-Lamee	Remote

### Q4

Course date	Course title	Course facilitator/s	Course location
November 4	Left main image interpretation	Prof. Jose M de la Torre	Remote
November 18	Philips Laser Atherectomy System — Excimer	Prof. Mohaned Egred	Remote
November 21	Philips Laser Atherectomy System — Excimer	Dr. Peter O’Kane & Dr. Jehangir Din	Remote
December 3	Ultra low contrast training	Dr. Hesham Abdelaziz	Remote
December 10	Tri-registration training with SyncVision	Dr. Rasha Al-Lamee	Remote



# Excimer coronary laser atherectomy

Freeman Hospital Newcastle, UK. Facilitated by Professor Mohaned Egred

## When:

January 15, 2024: 09.00-10.00 GMT/10.00-11.00 CET

April 8, 2024: 09.00-10.00 GMT/10.00-11.00 CET

July 1, 2024: 09.00-10.00 GMT/10.00-11.00 CET

November 18, 2024: 09.00-10.00 GMT/10.00-11.00 CET

## Program description:

This one-hour masterclass is intended to be a primer for all cardiologists to ensure you have the understanding to incorporate Excimer Coronary Laser Atherectomy into your everyday practice. This will include: an overview of the technology; set up and practical considerations as well as case studies with complex coronary lesions.



## Course facilitator:

Professor Mohaned Egred took up his consultant post at the Freeman Hospital in 2008, and is Professor of Interventional Cardiology and Cardiovascular Medicine. Professor Egred has a special interest in treatment of chronic total occlusions, complex coronary interventions with adjunctive devices, in addition to surgical turn down patients. He is committed to teaching and has trained many physicians both in UK and internationally in devices such as Rotational and Laser Atherectomy. He is a proctor for consultants in multiple coronary procedures and conducts regular training courses for consultants.



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# Excimer coronary laser atherectomy

Royal Bournemouth Hospital Bournemouth, UK. Facilitated by Dr. Peter O’Kane and Dr. Jehangir Din

## When:

**May 2, 2024: 09.00-10.00 GMT/10.00-11.00 CET**

**July 18, 2024: 09.00-10.00 GMT/10.00-11.00 CET**

**November 21, 2024: 09.00-10.00 GMT/10.00-11.00 CET**

## Program description:

Vessel preparation remains a key component to achieve successful PCI outcomes. In this session, Dr. O’Kane will cover the use of Excimer Coronary Laser Atherectomy and scoring balloons to optimise vessel preparation. This will include: an overview of the technologies; set up and practical considerations, as well as case studies with complex coronary lesions. Dr. O’Kane will also be available to answer questions following the session.



## Course facilitator:

Dr. Peter O’Kane was appointed as a Consultant Interventional Cardiologist at Royal Bournemouth Hospital in July 2007, and has performed more than 7,000 PCI cases. He has extensive experience with coronary physiology, intra-coronary imaging, and with the many tools and techniques to manage bifurcations, calcification, and chronic occlusions. He is a proctor for consultants in multiple coronary procedures and conducts regular training courses for consultants and HCP’s worldwide.



## Course facilitator:

Dr. Jehangir Din completed his cardiology training at Edinburgh Heart Centre and was appointed Consultant Interventional Cardiologist at Royal Bournemouth Hospital in 2012. He has extensive experience in complex PCI using imaging, physiology, rotational, and laser atherectomy. Both consultants consistently receive praise for the high quality training given on this course.



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# Tri-registration training with SyncVision

Hammersmith Hospital, Imperial College, London UK. Facilitated by Dr Rasha Al-Lamee



## When:

**February 20, 2024: 17.00-18.00 GMT/ 18.00-19.00 CET**

**April 30, 2024: 09.00-10.00 GMT/10.00-11.00 CET**

**September 10, 2024: 17.00-18.00 GMT/ 18.00-19.00 CET**

**December 10, 2024: 09.00-10.00 GMT/10.00-11.00 CET**

## Program description:

Co-registration has been adopted in many markets to assist in assessing IVUS and Physiology to optimize PCI. As an expert in using this technology, Dr. Al-Lamee will explain in this session what Co-registration is and how it can help optimize your care of patients; offer a step-by-step guide in how to perform Tri-registration (overlaying IVUS and Physiology results with the angiogram) and give you practical tips on how to perform the operation smoothly. Cases will be reviewed and Dr Al-Lamee will be available to answer any questions.

## Course facilitator:



Dr. Rasha Al-Lamee is an Interventional Cardiology Consultant at Imperial College Healthcare NHS Trust and a clinical academic at Imperial College London. She has expertise in general and interventional cardiology. She is a clinical trialist and her research interests are in coronary intervention, coronary physiology, and invasive intravascular assessment. She has extensive experience in teaching physicians and HCP's worldwide and always receives the highest praise for her teaching style and abilities.



## Contact:

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## Left main image interpretation

Hospital Universitario Marques de Valdecilla, Santander, Spain. Facilitated by Professor Jose de la Torre Hernandez



### When:

**February 26, 2024: 08.00-09.00 GMT/ 09.00-10.00 CET**

**June 3, 2024: 08.00-09.00 GMT/09.00-10.00 CET**

**November 4, 2024: 15.00-16.00 GMT/16.00-17.00 CET**

### Program description:

This course is intended to be a practical primer for all health care practitioners to ensure you have the tools and understanding to perform left main imaging in your everyday practice. During this course, Prof. de la Torre will discuss the challenges of imaging the LMCA and review image interpretation including morphology assessment. There will be a discussion on treatment options as well as explaining how to appropriately size the vessel for optimal stent implantation. The session will conclude with a review of selected cases and an opportunity to ask questions from a leader in this field.



### Course facilitator:

Prof. Jose M de la Torre is an interventional cardiologist, Chief of Cardiology Department and Associate professor of Medicine at Hospital Universitario Marques de Valdecilla, Santander, Spain. He is Vice President of the Spanish Society of Cardiology, editor-in-chief of REC Interventional Cardiology and fellow of the European Society of Cardiology. He is also on the faculty of ESC, PCR, ACC, and TCT meetings. As coordinator of the ESTROFA, XIMA, and LITRO study groups he is a true leader in this field and lectures widely on imaging.



### Contact:

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# Ultra low contrast training

Blackpool Victoria Hospital UK. Facilitated by Dr Hesham Abdelaziz



## When:

**May 7, 2024: 18.30-19.30 GMT/19.30-20.30 CET**

**August 20, 2024: 09.00-10.00 GMT/10.00-11.00 CET**

**December 3, 2024: 18.30-19.30 GMT/19.30-20.30 CET**

## Program description:

Contrast media used during coronary angiography has been associated with the risk of contrast induced nephropathy (CIN) in patients with baseline impaired renal function. In this course, Dr. Abdelaziz will discuss methods used during PCI to minimize the use of contrast. The course will cover the current evidence on CIN, how Dr. Abdelaziz and the team at Blackpool tackle their procedures, and discuss the tools available to support this. Case presentations will be covered using ULPCPI in complex high-risk cases and Dr. Abdelaziz will be available to answer questions from the audience.

## Course facilitator:



Dr. Hesham Abdelaziz is a Consultant Cardiologist at the Blackpool Teaching Hospital and Director of Interventional Cardiology. He specialises in complex and high risk PCI treating ischemic heart disease and valvular heart disease. Dr. Abdelaziz and the team at Blackpool have been at the forefront in using SyncVision technology to assist in reducing contrast in their PCI procedures and looks forward to sharing his expertise and practical tips in this field.



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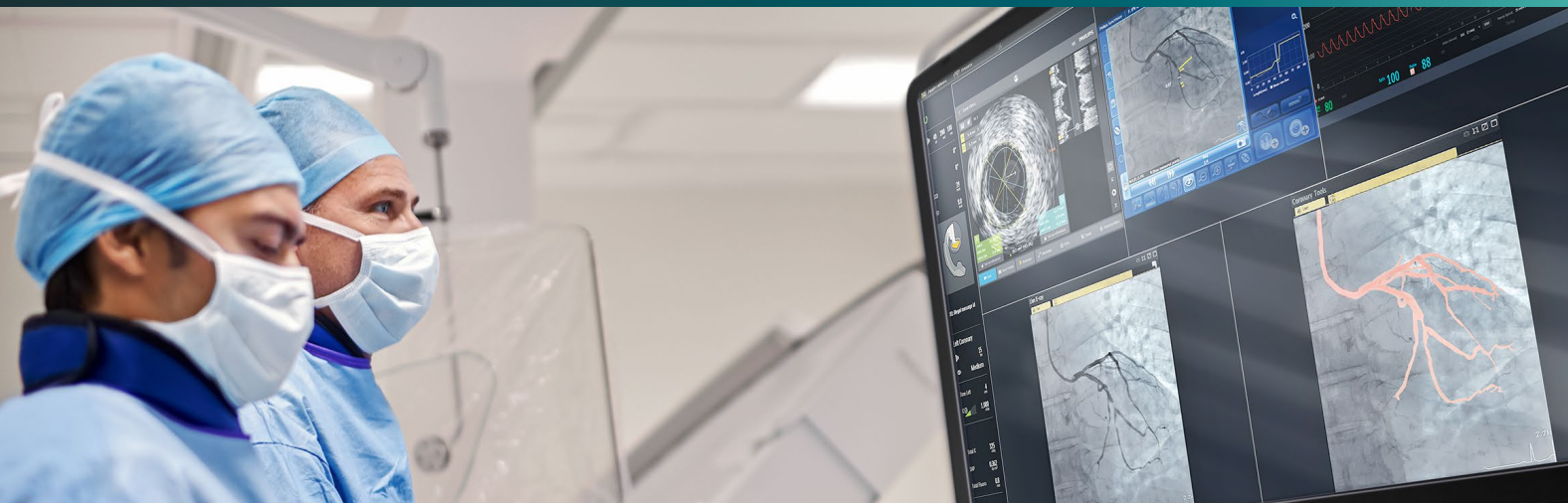






# IVUS image interpretation

University Hospital of Wales, Cardiff, UK. Facilitated by Professor Andrew Sharp



## When:

**February 25, 2024: 09.00-11.00 GMT/ 10.00-12.00 CET**

**March 28, 2024: 15.00-17.00 GMT/16.00 – 18.00 CET**

## Program description:

This course is intended to be a practical primer for all health care practitioners to ensure you have the tools and understanding to incorporate IVUS in your everyday practice. During these two hours, Prof. Sharp will walk through the basics of image interpretation including morphology assessment and offer you a greater understanding on how to appropriately size the vessel for optimal stent implantation. There will be a review of selected cases and, at the end of session 2, an opportunity to ask questions from a leader in this field.

## Course facilitator:



Prof. Andrew Sharp is a Consultant Cardiologist at the University Hospital of Wales in Cardiff. He is course co-director for the Advances in Co-Registration of Intracoronary Physiology and Imaging course, which has taught thousands of physicians the science and practical skills underpinning the use of IVUS and pressure wire technologies in PCI. He is also a steering committee member for the IMPROVE trial – testing the superiority of IVUS-guided PCI over angiography-guided PCI in up to 3,100 patients. He has extensive experience of teaching complex subjects to audiences and in this session, will endeavour to make the use of intravascular ultrasound more accessible to those in the early stages of their intracoronary imaging learning curve.



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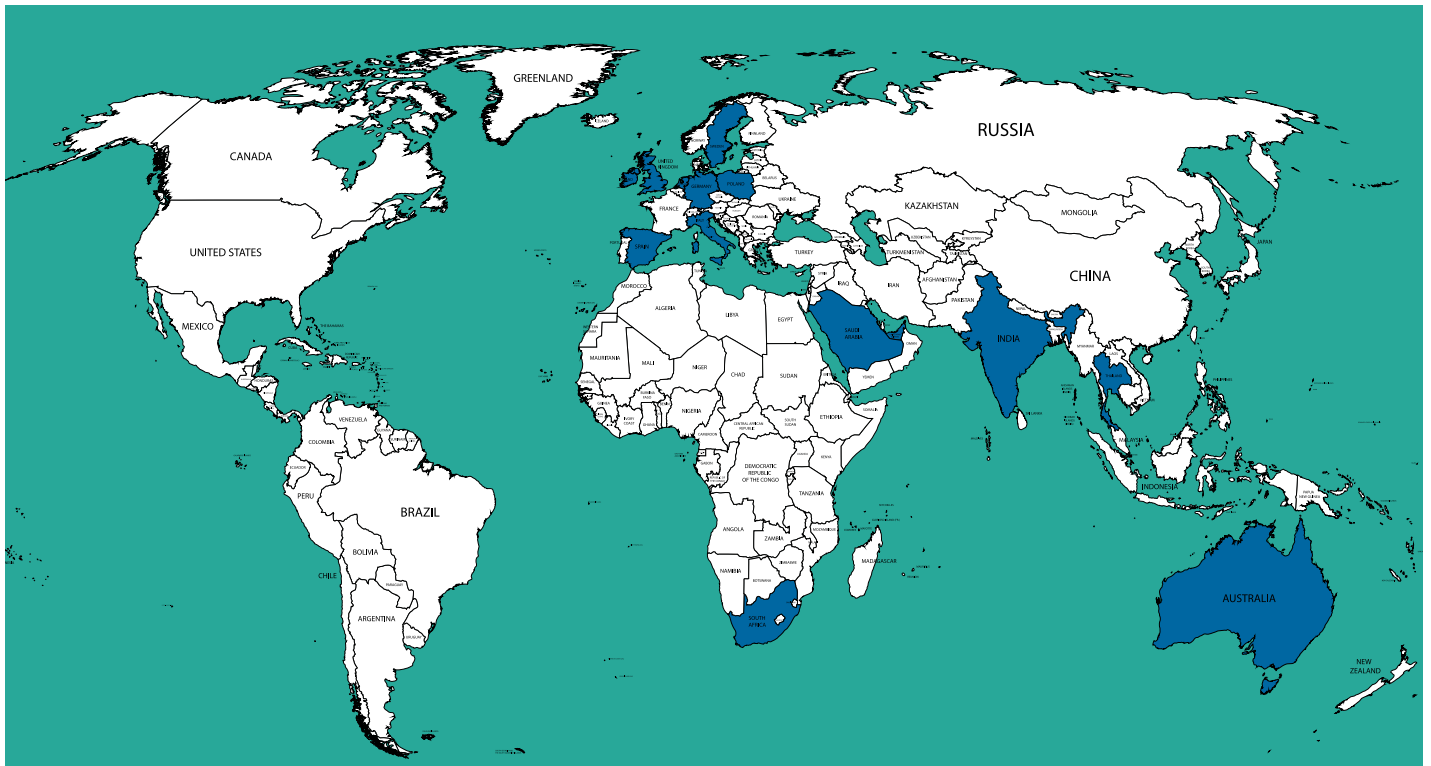
# One-to-one proctor training for physicians in Co-registration



## One-to-one proctor training for physicians in Co-registration

On request, we can provide one to one proctor training for Co-registration with a team of experts in the markets. These are to be arranged in conjunction with the education department. Proctors are available in the following markets:

UK	Italy
Ireland	India
Germany	South Africa
Netherlands	Saudi Arabia
Sweden	UAE
Poland	Thailand
Luxembourg	Australia
Spain	



# Peripheral face-to-face courses



**Contact:**  
Warren.pickup@philips.com to register



## Peripheral Vascular face-to-face courses

### Q1

Course date	Course title	Course facilitator/s	Course location
February 21 & 22	Optimising PAD outcomes with IVUS	Mr. Ashish Patel Dr. Narayanan Thulasadasian Mr. Mark Portou Dr. Conrad von Stempel Dr. Michael Lichtenberg	Düsseldorf, Germany
March 12 & 13	Phoenix workshop	Dr. Arun Kumarasamy	Frankfurt, Germany

### Q2

Course date	Course title	Course facilitator/s	Course location
May 2 & 3	IVUS Guided Arterial Interventions with Phoenix		London
May 8 & 9	IVUS-guided deep venous procedures	Dr- Bruno Migliara	Peschiera del Garda
May 14 & 15	IVUS-guided deep venous procedures	Dr. Andrew Wigham Miss Emma Wilton	Oxford, UK
May 23 & 24	IVUS-guided aortoiliac interventions	Dr- Jörg Tessarek	Lingen, Germany
June 4 & 5	Phoenix workshop	Dr. Arun Kumarasamy	Frankfurt, Germany
June 12 & 13	Optimising PAD outcomes with IVUS		London
June 18 & 19	Vessel prep workshop	Dr. Matthias Mende	Schönebeck, Germany
June 20 & 21	IVUS-guided aortoiliac interventions	Dr. Jörg Tessarek	Lingen, Germany

## Peripheral Vascular face-to-face courses

### Q3

Course date	Course title	Course facilitator/s	Course location
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### Q4

Course date	Course title	Course facilitator/s	Course location
October 29 & 30	Phoenix workshop	Dr. Arun Kumarasamy	Frankfurt, Germany
October 30 & 31	Vessel prep workshop	Dr. Matthias Mende	Schönebeck, Germany



# Optimising PAD outcomes with IVUS

Radisson Blu Hotel, Dusseldorf



## When:

**February 21 - 22, 2024: Face-to-face course**

## Program description:

Please join this education course focused on how to treat patients with complex peripheral arterial disease using IVUS (intravascular ultrasound) to optimise the outcomes. The program will be a mixture of lectures, case examples, and interactive discussion centered around the presenters' experience using IVUS in their practice along with a live case transmission from Arnsberg. There will be plenty of opportunity to also gain hands-on experience using the latest IVUS systems and catheters.

## Course facilitators:



Mr. Ashish Patel



Dr. Narayanan  
Thulasidasan



Mr. Mark Portou



Dr. Conrad von  
Stempel



Dr. Michael  
Lichtenberg



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# IVUS-guided aortoiliac interventions

Bonifatius Hospital, Lingen, Germany



## When:

**May 23-24, 2024: Face-to-face course**

**June 20-21, 2024: Face-to-face course**

## Program description:

Dr. Tessarek will share his experience of using IVUS for guiding endovascular aortic aneurysm repair devices to a small audience of invited physicians. The course is aimed at physicians who are early in their experience and wish to become more informed about the capabilities of IVUS for this indication or those that are wanting to start using IVUS in EVAR and wish to know the best patients to begin treating. This will be an interactive session and attendees are encouraged to ask questions.

## Course facilitator:



### Dr. Jörg Tessarek

During his surgical education in 1990 until his board certification as General Surgeon in 1996, Dr. Tessarek was focused on vascular patients. From 1996 until 2009, he worked in Münster at the St. Franziskus Hospital and the University Hospital. Since his board certification for vascular surgery in 1999, he focused on CAS, CLI, and complex surgical and endovascular aortic procedures.

In his function as co-founder and meanwhile Chairman of the Endovascular Section of the DGG, he supported various studies and publications covering vascular and endovascular topics. Still networking in national and international scientific societies (ISES, ESVS, DGG, DGA, Founder Group, BDC) and running endovascular courses for the DGG and ESVS, his interests during recent years has been on implementation of a dedicated endovascular education program into the national vascular surgery curriculum, which has come to fruition. This includes the use of IVUS and ultrasound to reduce radiation exposure for patients and staff.



## Contact:

Warren.pickup@philips.com to register





# Phoenix workshop

Frankfurt, Germany



## When:

**March 12-13, 2024: Face-to-face course**

**June 4-5, 2024: Face-to-face course**

**October 29-30, 2024: Face-to-face course**

## Program description:

Arun Kumarasamy will share his experience of the Phoenix Atherectomy System for the treatment of chronic limb-threatening ischemia patients to a small audience of invited physicians. The course is aimed at physicians who are early in their experience and wish to become more informed about the capabilities of the device or those that are wanting to start using Phoenix and wish to know the best patients to begin treating with Phoenix. This will be an interactive workshop and attendees are encouraged to ask questions.

## Course facilitators:



### Arun Kumarasamy

Arun Kumarasamy is an Interventional Radiologist and the Chief of the Department of Interventional Radiology at Krankenhaus Sachsenhausen in Frankfurt, an academic teaching hospital of the University of Frankfurt. He completed his studies at the Justus-Liebig-University of Gießen. Prior to his current position, Arun Kumarasamy served as a Senior Physician of diagnostic and interventional radiology at Sana Klinikum Offenbach, also an academic teaching hospital of the University of Frankfurt. At the same time, he has been the practice locum for the private practice of vascular interventions of Professor Dr. Erhard Starck.

Arun Kumarasamy is specialized in the diagnostics and treatment of peripheral artery disease (PAD) and chronic limb-threatening ischemia patients via percutaneous transluminal angioplasty (PTA), especially in below the knee and below the ankle interventions.



## Contact:

Warren.pickup@philips.com to register





# IVUS-guided deep venous procedures

Oxford, United Kingdom



## When:

**May 14-15, 2024: Face-to-face course**

## Program description:

Focused on the treatment of patients with complex and challenging venous disease, the course structure is centred on moderated live cases with interactive scientific discussions. There will be two live cases performed. There will be opportunities for interactive discussions and questions during the patient changeover.

## Course facilitators:



Dr. Andrew Wigham was appointed as a consultant Interventional Radiologist at Oxford University Hospitals NHS Foundation Trust in October 2014. He is the Interventional Radiology Lead for the Deep Venous service at Oxford University Hospitals NHS Foundation Trust and the Thames Valley Vascular Network. He completed his medical training at Imperial College School of Medicine. He became a member of the Royal College of Surgeons in 2006, before training in Interventional Radiology at the Royal Free Hospital, London. He regularly presents on the management of both acute and chronic venous disease at both national and international conferences. He is active in research and innovation, has a keen interest in teaching, and is the Interventional Radiology training lead in Oxford.



Miss Emma Wilton was appointed as a consultant Vascular Surgeon at Oxford University Hospitals NHS Foundation Trust in October 2017. She is the Clinical Lead for the Department of Vascular Surgery and is the Surgical Lead for the Deep Venous service at Oxford University Hospitals NHS Foundation Trust and the Thames Valley Vascular Network. She completed her medical training at the University of Cambridge. She was awarded an MD in 2007 for her thesis following a period of research at St. George's, University of London. She completed an Endovascular Fellowship at St. Thomas' Hospital, London. It was there that she developed a specialist interest in the management and intervention of both deep and superficial venous disease. She is actively involved in clinical research and also has an interest in management and education. She is on the council of the British Society of Endovascular Therapies (BSET) and the Royal Society of Medicine Venous Forum.



## Contact:

Warren.pickup@philips.com to register







# IVUS guided deep venous procedures

Peschiera del Garda



## When:

**May 8-9, 2024: Face-to-face course**

## Program description:

Focused on the treatment of patients with complex and challenging venous disease, the course structure is centred on moderated live cases with interactive scientific discussions. There will be two live cases performed. There will be opportunities for interactive discussions and questions during the patient changeover.

## Course facilitators:



### **Dr. Bruno Migliara**

Since 2003, Bruno Migliara, MD, PhD has worked as a Vascular Surgeon in the Vascular and Endovascular Unit at Pederzoli Hospital in Peschiera del Garda (Italy).

His speciality is vascular and endovascular procedures to treat patients with vascular diabetic foot complications. Moreover, since 2015, he's been into treatment of compressive and obstructive deep veins pathologies and utilising intravascular ultrasound (IVUS) to facilitate stenting. Based on these experiences, he has presented his experience during several important worldwide Congresses (LINC, Charing Cross, CIRSE, and others).

He has been a course director for specific international training courses on diabetic foot revascularization, mechanical debulking system use, and IVUS image interpretation. In recent years, he's developed a personal technique to perform totally percutaneous deep foot venous arterialization in patients with "no-option" CLI (PiPeR-technique).



## Contact:

**Warren.pickup@philips.com to register**





# Vessel prep workshop

Schönebeck, Germany



## When:

**June 18-19, 2024: Face-to-face course**

**October 29-30, 2024: Face-to-face course**

## Program description:

Dr. Matthias Mende will share his experience with the Phoenix Atherectomy System and Philips LASER System for the treatment of chronic limb-threatening ischemia patients to a small audience of invited physicians. The course is aimed at physicians who are early in their experience and wish to become more informed about the capabilities of the device or those that are wanting to start using vessel preparation devices and wish to know which patients to begin treating with the technologies. This will be an interactive workshop and attendees are encouraged to ask questions.

## Course facilitators:



**Dr. Matthias Mende**



## Contact:

Warren.pickup@philips.com to register



# Peripheral vascular remote courses



**Contact:**  
[Warren.pickup@philips.com](mailto:Warren.pickup@philips.com)

## Peripheral Vascular remote courses

### Q1

Course date	Course title	Course facilitator/s	Course location
February 20	A practical approach to atherectomy with Phoenix	Selected Physicians	Remote
February 28	The role of IVUS in the treatment of patients with peripheral arterial disease	Selected Physicians	Remote
March 7	A practical approach to the use of IVUS in EVAR Repair	Selected Physicians	Remote
March 19	The Role of IVUS in the Treatment of Patients with Peripheral Arterial Disease	Selected Physicians	Remote
March 20	A practical approach to atherectomy with Phoenix	Selected Physicians	Remote

### Q2

Course date	Course title	Course facilitator/s	Course location
April 10	The role of IVUS to guide deep venous disease treatment	Selected Physicians	Remote
April 16	A practical approach to atherectomy with Phoenix	Selected Physicians	Remote
April 17	The role of IVUS in the treatment of patients with peripheral arterial disease	Selected Physicians	Remote
April 30	Practical Approach to Dissection Management with TACK	Selected Physicians	Remote
May 14	A practical approach to atherectomy with Phoenix	Selected Physicians	Remote
May 15	The role of IVUS in the treatment of patients with peripheral arterial disease	Selected Physicians	Remote
June 11	A practical approach to atherectomy with Phoenix	Selected Physicians	Remote
June 13	A practical approach to the use of IVUS in EVAR Repair	Selected Physicians	Remote
June 18	The role of IVUS in the treatment of patients with peripheral arterial disease	Selected Physicians	Remote



## Peripheral Vascular remote courses

### Q3

Course date	Course title	Course facilitator/s	Course location
September 3	A practical approach to atherectomy with Phoenix	Selected Physicians	Remote
September 4	The role of IVUS in the treatment of patients with peripheral arterial disease	Selected Physicians	Remote
September 19	A practical approach to the use of IVUS in EVAR Repair	Selected Physicians	Remote

### Q4

Course date	Course title	Course facilitator/s	Course location
October 8	A practical approach to atherectomy with Phoenix	Selected Physicians	Remote
October 15	The role of IVUS in the treatment of patients with peripheral arterial disease	Selected Physicians	Remote
April 30	Practical Approach to Dissection Management with TACK	Selected Physicians	Remote
November 5	The role of IVUS to guide deep venous disease treatment	Selected Physicians	Remote
November 19	The role of IVUS in the treatment of patients with peripheral arterial disease	Selected Physicians	Remote
November 26	A practical approach to atherectomy with Phoenix	Selected Physicians	Remote



# Live from Arnsberg - IVUS-guided arterial interventions



## When:

**February 22, 2024**

**April 18, 2024**

**June 6, 2024**

**September 12, 2024**

**November 7, 2024**

## Program description:

Please join this on-line workshop livestreamed from Klinikum Arnsberg, Germany hosted by Dr. Michael Lichtenberg.

Dr. Lichtenberg will share his experience of IVUS-guided arterial interventions to treat SFA/ popliteal and BTK lesions to the audience. There will be one to two live cases performed and an opportunity for interactive discussions and questions during the patient changeover.

## Course facilitator:



### **Dr. Michael Lichtenberg**

Dr. Michael Lichtenberg is the Chief Medical Officer of the Angiology Department at Vascular Centre Clinic Arnsberg, Germany. He is an interventional cardiologist and angiologist with more than 15 years of experience in the field of endovascular interventions. While he values his day-to-day experiences in interventional care, his main interest is the evaluation of new devices, techniques, and procedures for intervention of peripheral artery disease. Dr. Lichtenberg has performed a series of studies in this area and conducted many clinical trials. He presents his research at conferences around the world. In 2011, Dr. Lichtenberg was awarded the Fellowship of the European Board of Cardiology. In 2017, he was elected for the executive secretary of the Germany Angiology Society (DGA). Since January 2020 he has served as the President of the German Angiology Society.



## Contact:

**Warren.pickup@philips.com to register**





# Live from Padua - IVUS-guided aortoiliac interventions



## When:

**March 14, 2024 and October 10, 2024**

## Program description:

Join this on-line course where Professors Michele Antonello and Michele Piazza will share their experience of using IVUS for guiding aortoiliac interventions to a small audience of invited physicians.

The course is aimed at physicians who are early in their experience and wish to become more informed about the capabilities of IVUS for this indication or those that are wanting to start using IVUS in aortoiliac interventions and wish to know which patients to begin treating.

## Course facilitators:



Professor Michele Antonello is the Head of Department and Director of the Residency Program at The University of Padua, Department of Cardiac, Thoracic and Vascular Sciences. He is a member of the Italian Society for Vascular and Endovascular surgery, of the Italian Society of Young Surgeon, European Society for Vascular Surgery, European Society for Cardio-Vascular Surgery and of the Italian Society of Vascular Pathology (SIAPAV). Professor Antonello is a reviewer of Stroke, of the European Journal of Vascular and Endovascular Surgery and of the Italian Journal of Vascular and Endovascular Surgery. He is also a Member of the Editorial Secretariat of the Italian Journal of Vascular and Endovascular Surgery. He has participated as principal Investigator in numerous clinical trials and as invited speaker in national and international meetings in particular on topics concerning vascular and endovascular surgery and vascular pathology.



Professor Michele Piazza holds a position of Associate Professor, Vascular and Endovascular Surgery at Padova University Hospital. His areas of interest are complex endovascular aortic aneurysm repair (BEVAR, FEVAR); bridging stent post-implantation geometrical analysis; endovascular aortic arch repair techniques; IVUS for complex aortic procedures; endoleak type II prevention; iliac artery stenting; endovascular popliteal aneurysm repair; carotid artery stenting, carotid endarterectomy. Professor Piazza is an author of more than 120 of peer-reviewed scientific papers and book chapters and is one of the faculty members of International Annual Meeting such as LINC and Charing Cross.



## Contact:

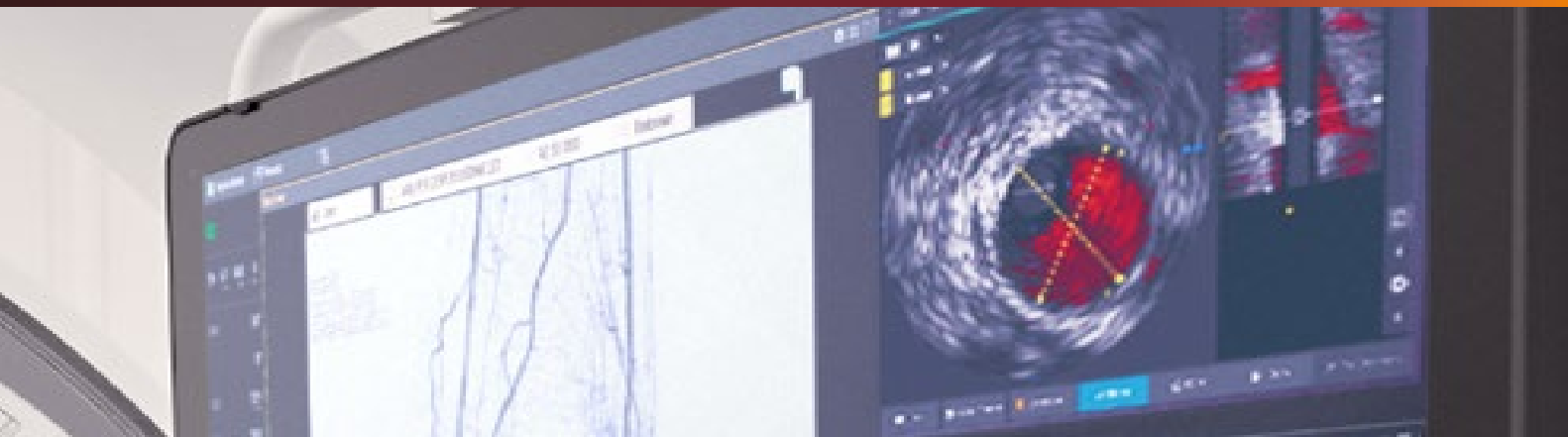
**Warren.pickup@philips.com to register**





# Learn with the experts

## A practical approach to atherectomy with Phoenix



### When:

January 23, 2024 at 17.30 CET  
 February 10, 2024 at 17.30 CET  
 March 20, 2024 at 17.30 CET  
 April 16, 2024 at 17.30 CET  
 May 14, 2024 at 17.30 CET

June 11, 2024 at 17.30 CET  
 September 3, 2024 at 17.30 CET  
 October 8, 2024 at 17.30 CET  
 November 26, 2024 at 17.30 CET

### Program description:

Selected physicians with expert knowledge of vessel prep and atherectomy devices will share their experience of using the Phoenix Atherectomy System for the treatment of chronic limb-threatening -schemia patients to a small audience of invited physicians.

The webinar is aimed at physicians who are early in their experience and wish to become more informed about the capabilities of the device or those that are wanting to start using Phoenix and wish to know which patients to begin treating with Phoenix.

This will be an interactive workshop and attendees are encouraged to ask questions.



**Contact:**  
 Warren.pickup@philips.com to register

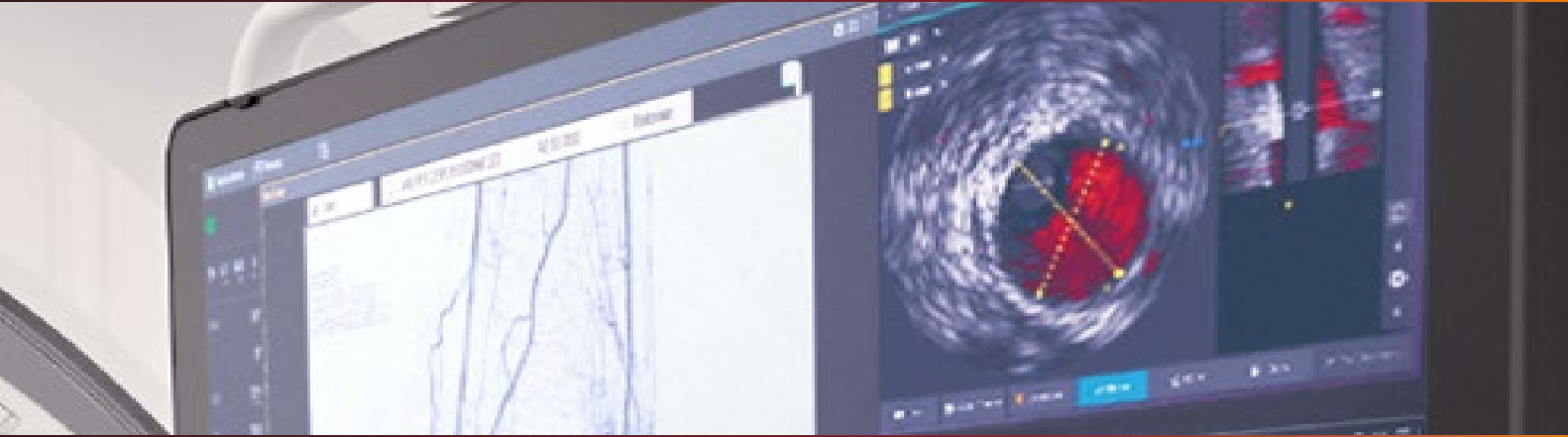






# Learn with the experts

## The role of IVUS in the treatment of patients with peripheral arterial disease



### When:

**January 24, 2024 at 17.30 CET**  
**February 28, 2024 at 17.30 CET**  
**March 19, 2024 at 17.30 CET**  
**April 17, 2024 at 17.30 CET**  
**May 15, 2024 at 17.30 CET**

**June 18, 2024 at 17.30 CET**  
**September 4, 2024 at 17.30 CET**  
**October 15, 2024 at 17.30 CET**  
**November 19, 2024 at 17.30 CET**

### Program description:

Please join these interactive webinars focused on how to treat patients with complex peripheral arterial disease using IVUS (intravascular ultrasound) to optimise the outcomes. Selected physicians will share case examples of how IVUS enhanced decision making during complex procedures.

### Course objectives and outcomes:

- Help identify disease process utilising IVUS imaging and understand the workflow of IVUS during PAD treatment
- Explore the role of IVUS in determining revascularisation approach and optimising procedural outcomes
- Understand how to integrate IVUS into routine clinical practice and why angiography alone is sometimes not enough



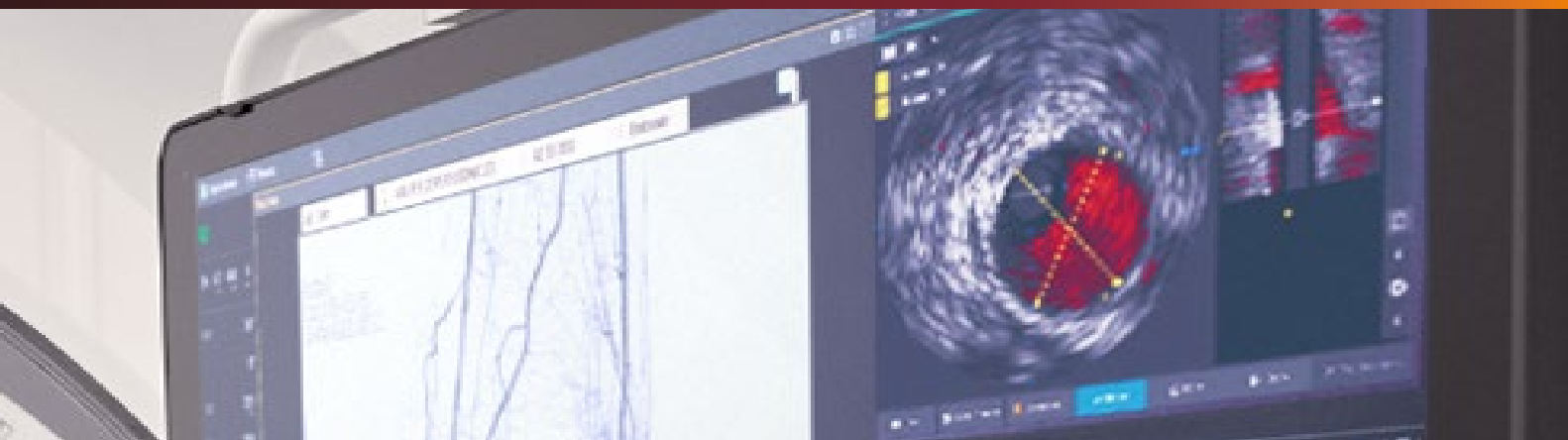
**Contact:**  
**Warren.pickup@philips.com to register**





# Learn with the experts

## A practical approach to the use of IVUS in EVAR repair



### When:

**March 7, 2024 at 17.30 CET**

**June 13, 2024 at 17.30 CET**

**September 19, 2024 at 17.30 CET**

### Program description:

Dr. Tessarek will share his experience of using IVUS for guiding endovascular aortic aneurysm repair devices to a small audience of invited physicians. The course is aimed at physicians who are early in their experience and wish to become more informed about the capabilities of IVUS for this indication or those that are wanting to start using IVUS in EVAR and wish to know which patients to begin treating. This will be an interactive session and attendees are encouraged to ask questions.

### Course objectives and outcomes:

- Recognise the role IVUS plays in reducing radiation and contrast during EVAR procedures
- Understand the workflow of IVUS during EVAR procedures
- Engage with faculty and other physician peers to discuss best practices for treating patients with IVUS



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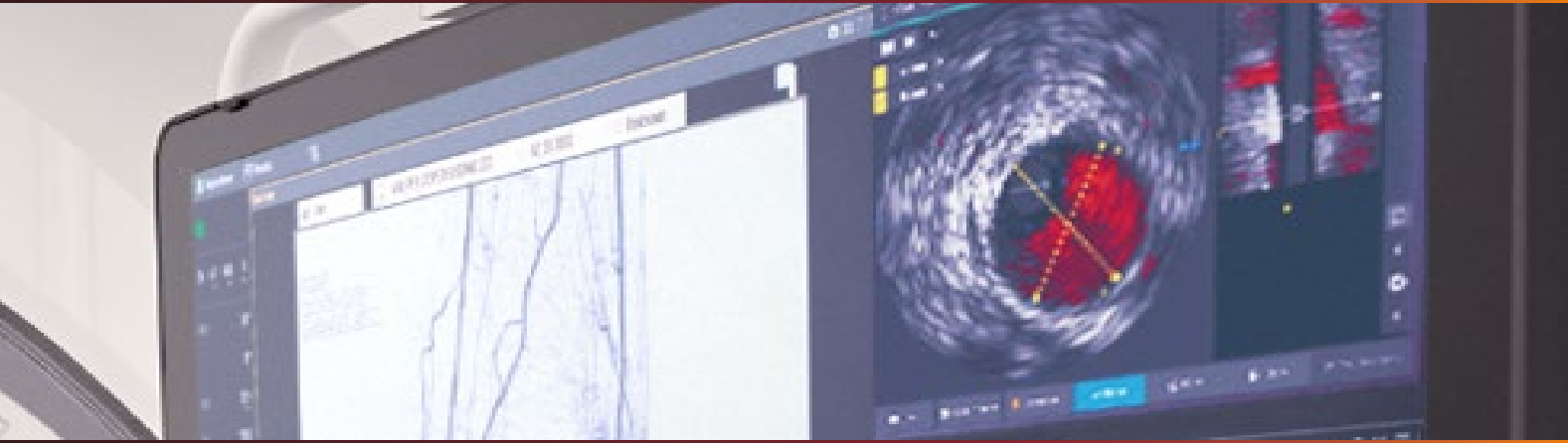
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# Learn with the experts

## The role of IVUS to guide deep venous disease treatment



### When:

**April 10, 2024 at 17.30 CET**

**November 5, 2024 at 17.30 CET**

### Program description:

Focused on the treatment of patients with complex and challenging venous disease, this webinar is centred on interactive scientific discussions and case-based presentations. Speakers will review indications, successful utilization, and potential complications of Intravascular ultrasound to guide stenting of deep venous disease.

### Course objectives and outcomes:

- Help identify disease process utilising IVUS imaging and understand the workflow of IVUS to guide deep venous procedures
- Explore the role of IVUS in determining stenting approach and optimising procedural outcomes
- Understand how to integrate IVUS into routine clinical practice and why venography alone is sometimes not enough



### Contact:

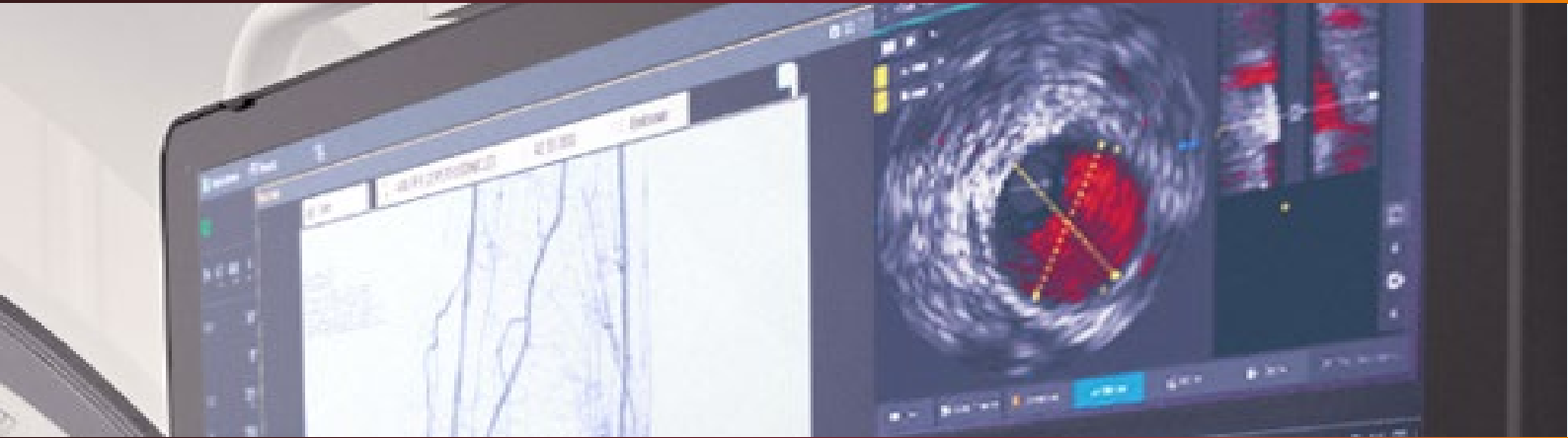
Warren.pickup@philips.com to register





# Learn with the experts

## Practical approach to dissection management with TACK



### When:

**April 30, 2024 at 17.30 CET**

**October 22, 2024 at 17.30 CET**

### Program description:

Dr. Wissgott will share his experience of dissection detection and treatment options to a small audience of invited physicians. Presentations will focus on dissection detection with angiography as well as deployment tips and tricks. Dr. Wissgott will also share his single center data regarding TACK. There will be opportunities for interactive discussions and questions.

### Course objectives and outcomes

- Help identify dissections and treatment strategies to improve outcomes from balloon angioplasty
- Feel confident to begin treating their patients with the TACK Focal Stent System



### Contact:

Warren.pickup@philips.com to register





## Learn with the experts

### Speaker biographies



Mark Portou is a Consultant Vascular Surgeon at the Royal Free Hospital, London, and north-central London (NCL) lead for diabetic foot, peripheral artery, and amputation services. He has a particular clinical and research interest in the management of diabetic foot disease and critical limb ischaemia. He works across the Royal Free Trust as an integral part of a multidisciplinary diabetic foot team. The majority of his specialist practice is in complex lower limb endovascular surgery, limb salvage, and wound management. He is committed to service improvement in the provision of diabetic foot care, and in improving functional outcomes after major amputation. He has published and presented internationally on wound healing, particularly in diabetes.



Arun Kumarasamy is an Interventional Radiologist and the Chief of the Department of Interventional Radiology at Krankenhaus Sachsenhausen in Frankfurt, an academic teaching hospital of the University of Frankfurt. Prior to his current position, Arun Kumarasamy served as a Senior Physician of diagnostic and interventional radiology at Sana Klinikum Offenbach, also an academic teaching hospital of the University of Frankfurt. Arun Kumarasamy specialises in the diagnostic and treatment of peripheral artery disease (PAD) and chronic limb-threatening ischemia patients via percutaneous transluminal angioplasty (PTA), especially in below the knee and below the ankle interventions.



Dr. Michael Lichtenberg is the Chief Medical Officer of the Angiology Department at Vascular Centre Clinic Arnsberg, Germany. He is an interventional cardiologist and angiologist with more than 15 years of experience in the field of endovascular interventions. While he values his day-to-day experiences in interventional care, his main interest is the evaluation of new devices, techniques, and procedures for intervention of peripheral artery disease. Dr. Lichtenberg has performed a series of studies in this area and conducted many clinical trials. He presents his research at conferences around the world. In 2011, Dr. Lichtenberg was awarded the Fellowship of the European Board of Cardiology.



Dr. Jörg Tessarek, in his function as Vice Chairman of the Endovascular Section of the DGG since 2009, he could support various studies and publications covering vascular and endovascular topics. Still networking in national and international scientific societies (ISES, ESVS, DGG, DGA, FoundER Group, BDC) and running endovascular courses for the DGG and ESVS, his interests during recent years has been on implementation of a dedicated endovascular education program into the national vascular surgery curriculum, which has come to fruition. This includes the use of IVUS and ultrasound to reduce radiation exposure for patients and staff.



Dr. Christian Wissgott is an Interventional Radiologist and Neuroradiologist and the Chief of the Institute of Diagnostic and Interventional Radiology/Neuroradiology of Immanuel Klinik Rendsburg und Eckernförde, an academic teaching hospital of the University of Kiel. He completed his studies at the Humboldt-University of Berlin and holds certificates as a Trainer for Interventional Radiology from the German Society of Interventional Radiology. Dr. Wissgott has served as an investigator on several clinical studies including carotid embolic protection devices and the TOBA, TOBA-BTK, TOBA-II-BTK, and TOBA III trials.



Mr Ashish Patel qualified from The Royal Free and University College Medical School in 2004. He has been a consultant vascular and endovascular surgeon at Guy's and St Thomas' NHS Foundation Trust and a clinical senior lecturer with the school of cardiovascular medicine and sciences at King's College London since 2018. Ashish's specialist interests focus on the open and endovascular treatment of peripheral arterial and diabetic foot disease. His general vascular practice also includes the treatment of aortic aneurysms, varicose veins, and carotid artery surgery.

## Learn with the experts

### Speaker biographies



Narayanan Thulasidasan is a Consultant Vascular and Interventional Radiologist at Guy's and St Thomas' NHS Foundation Trust, London, UK. His areas of special interest include endovascular treatment of acute DVT/PE and deep venous reconstruction, endovascular treatment of peripheral arterial disease, as well as EVAR/TEVAR and endocrine venous sampling and management of vascular malformations. Dr. Thulasidasan has authored or co-authored several articles published in leading peer-reviewed journals, has lectured widely, and has served as a speaker at several leading international vascular events.



Conrad von Stempel is a consultant interventional vascular and urologist. He graduated from UCL medical school with an additional BSc in anatomy and developmental biology. Conrad completed his core radiology training at UCH, and after gaining the FRCR, a 2-year fellowship in interventional radiology at the Royal Free Hospital. He specialises in vascular and urological interventional radiology procedures including angioplasty, complex venous access, and embolisation therapy including prostate artery embolisation (PAE). Conrad also works as an interventional radiologist at the Royal Free hospital. He enjoys teaching and lectures in imaging, anatomy and embryology at UCH and Keble college, Oxford University.



Mr. Taha Khan is a Consultant Vascular and Endovascular Surgeon working at Guy's and St. Thomas' Hospital in London. Mr Khan graduated from Imperial College London with his MBBS in 2002. He obtained an MD in vascular tissue engineering from the University of Leeds and completed his higher surgical training in the South West Deanery with an advanced surgical fellowship in robotic endovascular surgery at Imperial College. Mr. Khan has a keen interest in the management of deep venous disease and completed his Post-CCT Fellowship in Deep Venous Surgery at St. Thomas' Hospital (London) before taking up his position as consultant. His first position as consultant was at the Manchester Vascular Service where he was the deep venous surgery lead, before moving back to London in his current position.



Professor Grigorios Korosoglou is the Chair of the Department of Cardiology and Vascular Medicine in the GRN Academic Teaching Hospital Weinheim. He and his group have published over 160 peer-reviewed scientific articles in cardiac imaging, focusing on imaging of the atherosclerotic plaque, and on the detection of myocardial ischemia. Furthermore, he is currently the elected Vice Chair (2018-2021) of the working group cardiac computed tomography and an elected nucleus member (2019-2021) of the working group Angiology in the German Society of Cardiology. Prof. Grigorios Korosoglou has received several prizes and institutional grants for experimental and clinical studies in cardiac imaging and vascular medicine.

# Heart Rythm Management face-to-face courses



**Contact:**  
Michael.dobler@philips.com to register

## HRM face-to-face courses

### Q1

Course date	Course title	Course facilitators/s	Course location
February 26 & 27	Expect the unexpected Managing the complexity of lead extraction	Chair: Prof. Brigitte Osswald	Warsaw
March 14 & 15	Introduction to Lead Management	Dr. Frédéric van Heuverswyn Dr. Charles Kennergren	Brussels

### Q2

Course date	Course title	Course director/s	Course location
April 25 & 26	Introduction to Lead Management For nurses and technicians	Dr. Frédéric van Heuverswyn Dr. Charles Kennergren	Brussels

### Q3

Course date	Course title	Course director/s	Course location
September 19 & 20	Introduction to Lead Management	Dr. Frédéric van Heuverswyn Dr. Charles Kennergren	Vienna

### Q4

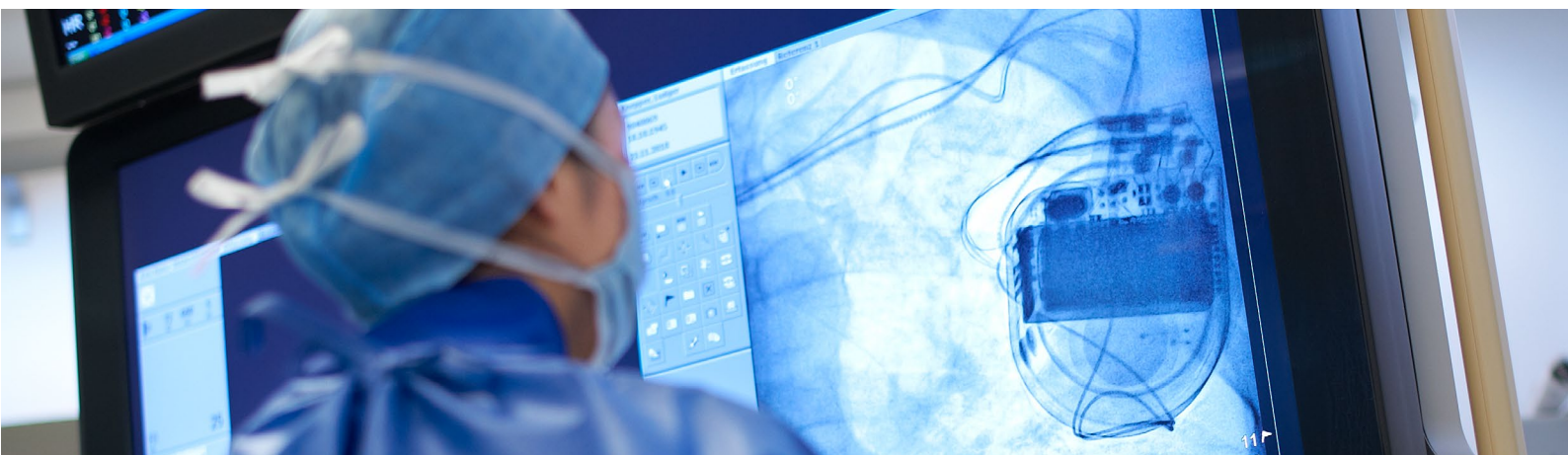
Course date	Course title	Course director/s	Course location
October 28 & 29	Expect the unexpected Managing the complexity of lead extraction	Chair: Prof. Brigitte Osswald	TBD
November 21 & 22	Introduction to Lead Management For nurses and technicians	Dr. Frédéric van Heuverswyn Dr. Charles Kennergren	Praque





# Introduction to Lead Management

Facilitated by Dr. Frédéric van Heuverswyn and Dr. Charles Kennergren



## When:

**March 14-15, 2024: Face-to-face course**

**September 19-20, 2024: Face-to-face course**

## Program description:

This two-day course focuses on different aspects of lead management and targets physicians interested in performing CIED therapy. On the first day, the course directors will discuss infectious and non-infectious indications for lead extraction and when to extract or not. Outcomes will be presented and interactive case demonstration will support the different topics. The second day will focus on extraction techniques, safety, risk, and benefits for the patient. Additional topics are to include an overview of training and facility requirements, and the course directors will share their personal experiences of lead extraction including the treatment of complications.

## Course facilitators:



Dr. F. Van Heuverswyn is a cardiologist at Ghent University Hospital in Belgium. He trained both in interventional cardiology and cardiac electrophysiology. Skills from the two specialties combined led to starting a lead management program in 2008. He has presented extraction related topics on several (inter)national meetings.



Dr. C. Kennergren trained as CTX surgeon developing a special interest in CIED treatment, running the program at Sahlgrenska University Hospital, Göteborg, Sweden. Based on the need to handle lead problems, he developed lead extraction in cooperation with U.S. colleagues. He has trained many European colleagues at the local simulation center. He has been involved in writing international recommendations on lead management, has published extensively in the field.



## Contact:

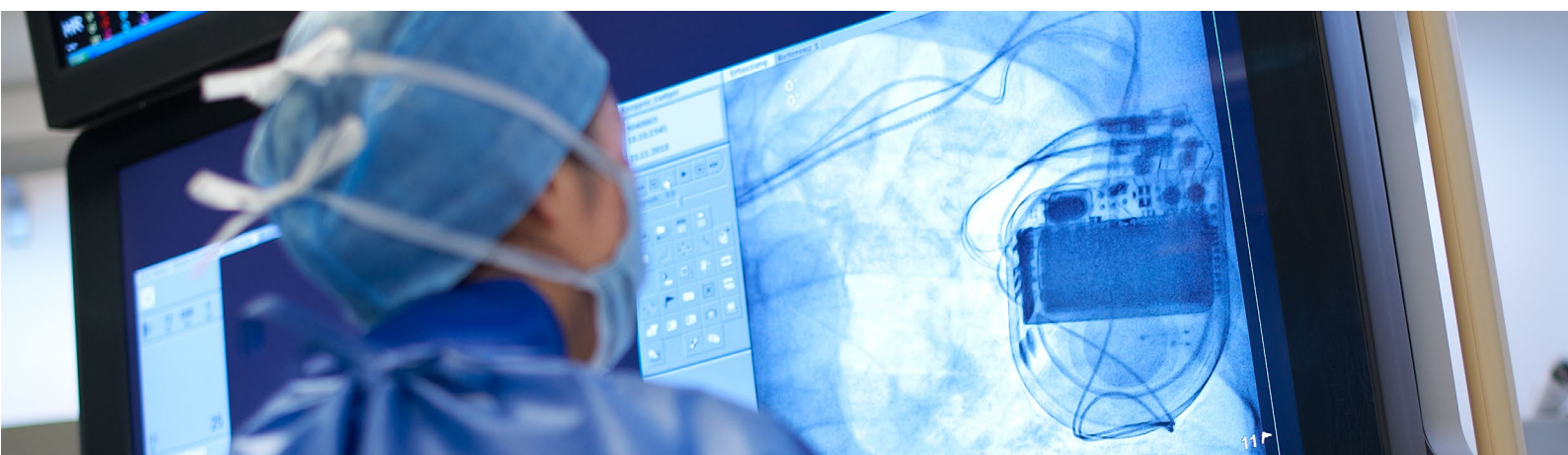
Michael.dobler@philips.com to register





# Introduction to Lead Management For nurses and technicians

Facilitated by Dr. Frédéric van Heuverswyn and Dr. Charles Kennergren



## When:

**April 25-26, 2024: Face-to-face course**

**November 21-22, 2024: Face-to-face course**

## Program description:

This two-day course focuses on different aspects of lead management for nurses and technicians, supporting physicians in lead extraction cases. This course will focus on extraction techniques, safety, risk, and benefits for the patient and will focus on the role of the nurse and technician during this procedure.

## Course facilitators:



Dr. F. Van Heuverswyn is a cardiologist at Ghent university hospital in Belgium. He trained both in interventional cardiology and cardiac electrophysiology. Skills from the two specialties combined, led to starting a lead management program in 2008. He has presented extraction related topics on several (inter)national meetings.



Dr. C. Kennergren trained as CTX surgeon developing a special interest in CIED treatment, running the program at Sahlgrenska University Hospital, Göteborg, Sweden. Based on the need to handle lead problems he developed lead extraction in cooperation with U.S. colleagues. He has trained many European colleagues at the local simulation center. He has been involved in writing international recommendations on lead management, has published extensively in the field.



## Contact:

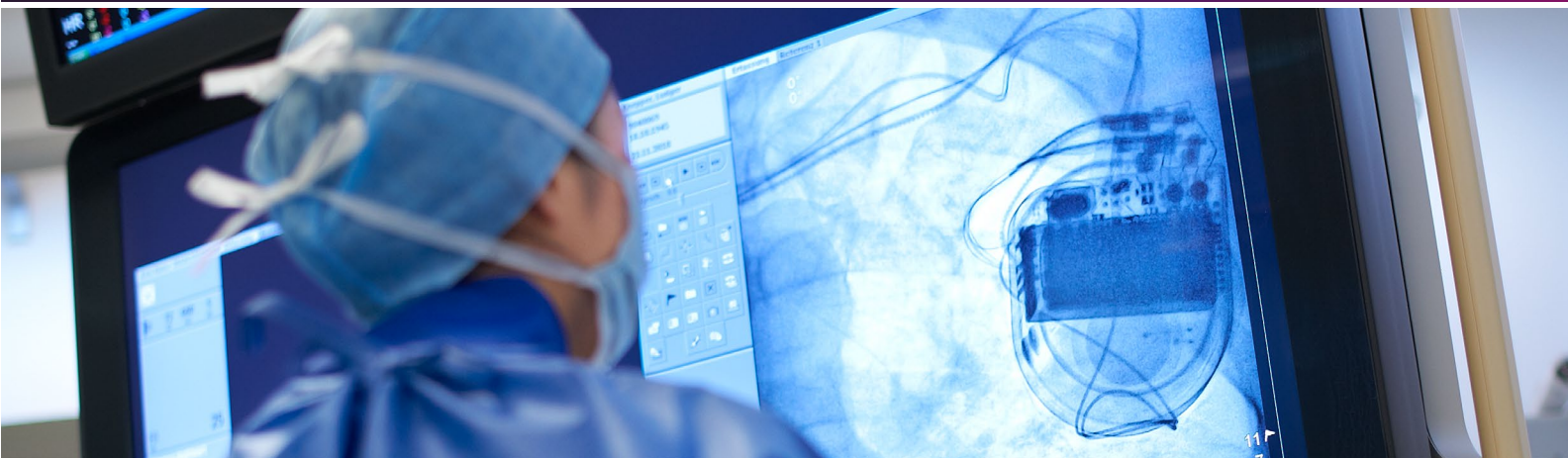
Michael.dobler@philips.com to register





# Expect the unexpected Managing the complexity of lead extraction

Chair: Prof. Brigitte Osswald



## When:

**February 26-27, 2024**

**October 28-29, 2024**

## Program description:

The course has been designed to provide a comprehensive review of the latest advances in lead management delivered by experts in the field. Through presentations and patient cases, learners will understand what to expect and how to handle the unexpected in lead extraction.

During the meeting, case-based scenarios and shared experiences will showcase how to overcome difficult and complex problems operators may face in lead extraction

## Course facilitators:



Brigitte Osswald



Pascal Defaye



Jakob Gäbel



Cesar Khazen



Przemyslaw Piotr  
Mitkowski



Simon Pecha



Aldo Rinaldi



## Contact:

Michael.dobler@philips.com to register



# Heart Rythm Management remote courses



**Contact:**  
Michael.dobler@philips.com to register



## HRM remote courses

### Q1

Course date	Course title	Course facilitator/s	Course location
March 12	Online TLE training by live case transmission	Professor Brigitte Osswald	Remote

### Q2

Course date	Course title	Course director/s	Course location
June 11	Online TLE training by live case transmission	Professor Brigitte Osswald	Remote

### Q4

Course date	Course title	Course director/s	Course location
December 10	Online TLE training by live case transmission	Professor Brigitte Osswald	Remote



# Online TLE training by live case transmission

Livestreamed from Johanniter-Krankenhaus Rheinhausen, Duisburg, GE .  
Facilitated by Professor Brigitte Osswald



## When:

**March 12, 2024: 09.00-11.00 CET**

**June 11, 2024: 09.00-11.00 CET**

**December 10, 2024: 09.00-11.00 CET**

## Program description:

This two-hour webinar is intended to allow interested physicians to learn from an expert in the field and will include discussion of the procedure and perform a live case presentation. Prof. Osswald will explain tips and tricks to safely perform a lead extraction procedure and there will be time to ask questions to this physician who has performed over 3,500 complex lead extractions.

## Course facilitator:



Prof. Brigitte Osswald is currently lead for the electrophysiological surgical program at Duisburg Heart Center, Duisburg, Germany. Prof. Osswald has held leading positions in the Electrophysiological Surgery Unit at the Department of Cardiovascular Surgery at the University of Düsseldorf, where her special interests were in cardiac device and lead-related procedures in adults and children. She has been at Duisberg Heart Centre since 2019. She performs 200 complex lead related procedures a year and in total over 20,000 electrophysiological surgical procedures.



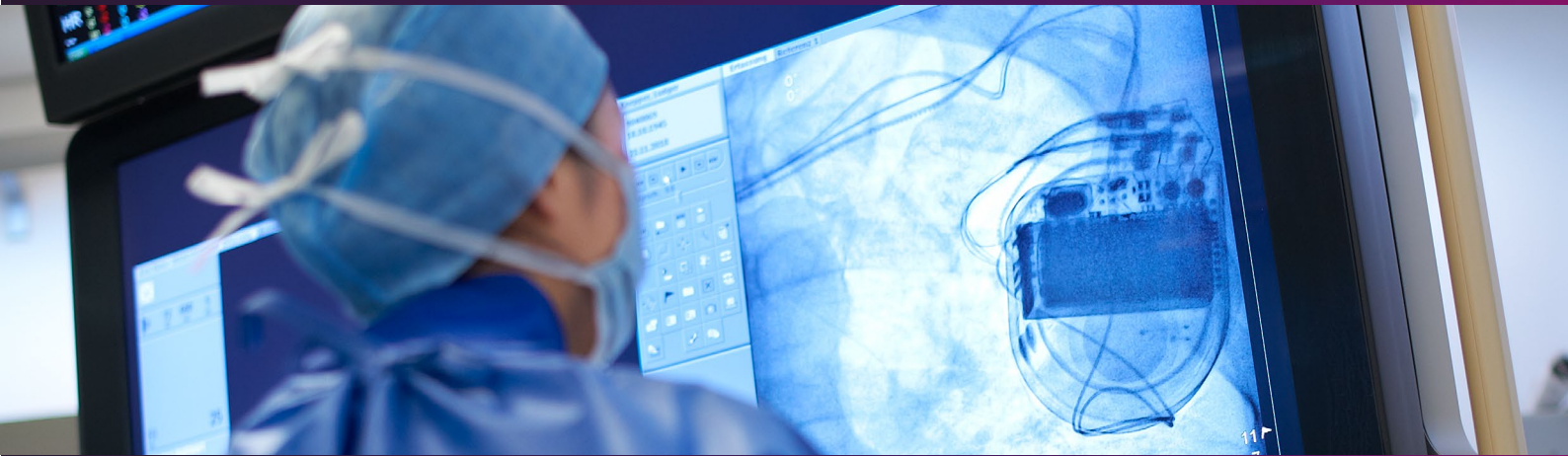
## Contact:

Michael.dobler@philips.com to register





## Expect the unexpected Female lead extractor exchange



### When:

**March 8, 2024**

**June 7, 2024**

**September 6, 2024**

**December 6, 2024**

### Program description:

This quarterly one-hour webinar is intended to allow female lead extracting physicians to have access to the "Women as One" network while presenting cases on lead extraction and sharing tips and tricks to have a successful procedure.

See and understand how to handle the unexpected in lead extraction.



### Contact:

[Michael.dobler@philips.com](mailto:Michael.dobler@philips.com) to register



# Asia-Pacific (APAC) face-to-face courses





## APAC face-to-face courses

### Q1

Course date	Course title	Course facilitators/s	Course location
February 7	Tri-registration training with SyncVision	Dr. Nattawut Wongpraparut	Siriraj Hospital, Thailand
March 4	TTSH Co-registration training	Dr. Ho Hee Hwa	Tan Tock Seng Hospital (TTSH), Singapore

### Q2

Course date	Course title	Course facilitator/s	Course location
March 30	Ultra low contrast PCI Thai summit	Dr. Nattawut Wongpraparut	Siriraj Hospital, Thailand
April 2	Tri-registration training with SyncVision	Dr. Nattawut Wongpraparut	Siriraj Hospital, Thailand
May 24 & 25	AP Leader's Meeting	Prof. Koo Bon-Kwon	Seoul, Korea

## APAC face-to-face courses

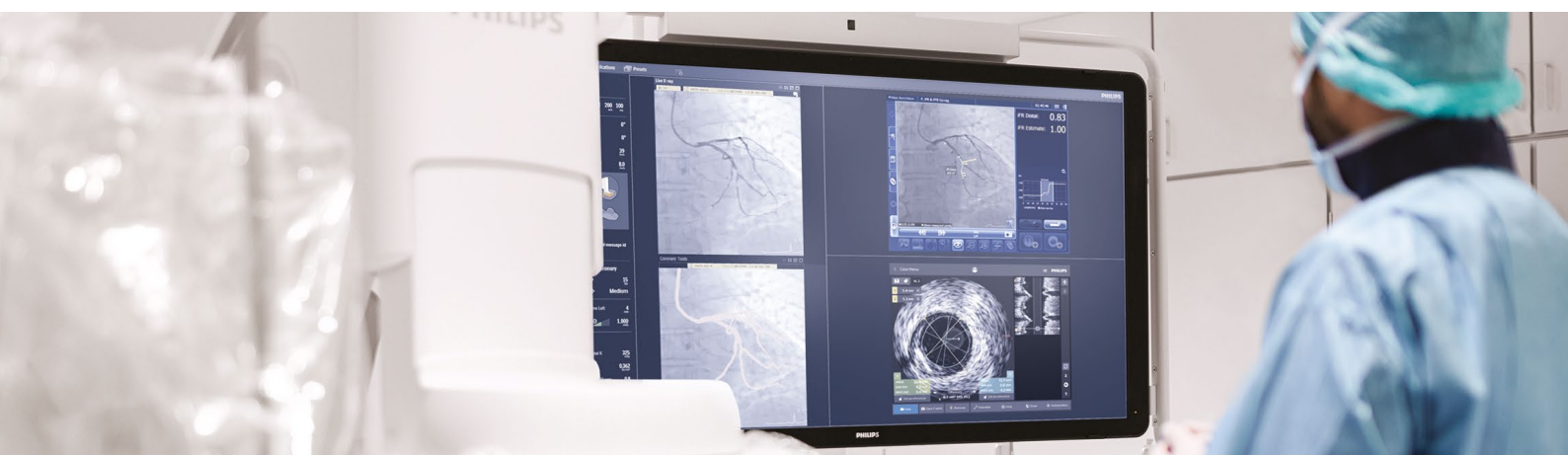
### Q3

Course date	Course title	Course director/s	Course location
September 10	Tri-registration training with SyncVision	Dr. Nattawut Wongpraparut	Siriraj Hospital, Thailand
September 27 & 28	AP Leader's Meeting	Prof. Koo Bon-Kwon	Seoul, Korea



# Tri-registration training with SyncVision

Siriraj Hospital, Thailand. Facilitated by Dr. Nattawut Wongpraparut



## When:

**February 7, 2024: 9.00 - 16.00 ICT**

**April 2, 2024: 9.00 - 16.00 ICT**

**September 10, 2024: 9.00 - 16.00 ICT**

## Program description:

Co-registration has been widely adopted to assist in assessing IVUS and Physiology to optimize PCI. As an expert in using this technology, Dr. Nattawut Wongpraparut will explain in this session what co-registration is and how it can help optimize your care of patients; offer a step-by-step guide in how to perform Tri-registration (overlaying IVUS and physiology results with the angiogram) and give you practical tips on how to perform the operation smoothly. The program is for targeted interventional cardiologists and will combine lectures, interactive discussion, and live case observations.

## Course facilitators:



Dr. Nattawut Wongpraparut is an Associate Professor of Medicine and Director of the Cardiac Catheterization Laboratory at The Faculty of Medicine Siriraj Hospital, Mahidol University in Thailand. He received medical degree from Chulalongkorn University, Thailand in 1995. He then completed internal medicine residency (1996-1999) and cardiology fellowship (1999-2002) at Albert Einstein Medical Center, PA, U.S.A., before pursuing an interventional cardiology fellowship and peripheral vascular interventions training (2002-2004) at University of Louisville, KY, U.S.A. He is a fellow of several international medical societies, including the American College of Cardiology, American College of Physicians, European Society of Cardiology, and Society of Cardiovascular Angiography and Interventions, as well a member of local societies, such as the Thai Medical Association. He has authored over 70 articles in peer-reviewed journals and presented several abstracts at professional meetings. His research interests include coronary physiology, intracoronary imaging, and biomarkers.



## Contact:

**Soojin.chae@philips.com** to register





# Ultra low contrast PCI Thai summit

Siriraj Hospital, Thailand. Facilitated by Dr. Nattawut Wongpraparut



## When:

**March 30, 2024: 13.30 - 17.30 ICT**

## Program description:

Co-registration has been widely adopted to assist in assessing IVUS and Physiology to optimize This course is intended to be a practical primer for all health care practitioners to adopt ultra low contrast PCI (ULCPCI) in their daily practices at catheterization laboratories. ULCPCI is patient-focused treatment strategy that can bring your procedural excellence by maximum utilization of advanced imaging systems and devices at your cathlab. During this face-to-face education, you will learn why contrast opacification matters and how to minimize it while maximizing clinical outcomes.

## Course facilitators:



Dr. Nattawut Wongpraparut is an Associate Professor of Medicine and Director of the Cardiac Catheterization Laboratory at The Faculty of Medicine Siriraj Hospital, Mahidol University in Thailand. He received medical degree from Chulalongkorn University, Thailand in 1995. He then completed internal medicine residency (1996-1999) and cardiology fellowship (1999-2002) at Albert Einstein Medical Center, PA, U.S.A., before pursuing an interventional cardiology fellowship and peripheral vascular interventions training (2002-2004) at University of Louisville, KY, U.S.A. He is a fellow of several international medical societies, including the American College of Cardiology, American College of Physicians, European Society of Cardiology, and Society of Cardiovascular Angiography and Interventions, as well a member of local societies, such as the Thai Medical Association. He has authored over 70 articles in peer-reviewed journals and presented several abstracts at professional meetings. His research interests include coronary physiology, intracoronary imaging, and biomarkers.



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# AP Leader's Meeting

Seoul, Korea. Facilitated by Prof. Koo Bon-Kwon



## When:

**May 24-25, 2024**

**September 27-28, 2024**

## Program description:

This course is intended to be a practical primer for interventional cardiologists to learn optimizing PCI strategies using the state-of-the-art technologies. Utilizing IVUS and coronary physiology can simplify, guide, and optimize complex cases. Explore precision-guided PCI treatment through an immersive training that delves into advanced techniques, incorporating IVUS, and physiological considerations. Uncover strategic approaches to enhance decision-making and procedural outcomes. Elevate your skills in coronary interventions to deliver optimal patient care.

## Course facilitators:



Dr. Bon-kwon Koo is an interventional cardiologist and a professor of Seoul National University College of Medicine. Dr. Koo trained at a Severance Hospital, Seoul, Korea, and was a visiting scholar at Stanford University. His main research interest is imaging and physiologic evaluation of coronary artery disease. Dr. Koo is the principal investigator of many domestic and international studies including Side branch FFR study, Bifurcation wedge study, International IMR registry study, and 3V-FFR FRIENDS study. He has published more than 360 papers in major journals such as Lancet, JACC, Circulation, and European Heart Journal. His recent researches on non-invasive hemodynamic assessment using coronary CT angiography and computational fluid dynamics enables the assessment of FFR without invasive procedures and has started a new chapter in the diagnosis of coronary artery disease.



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# TTSH Co-registration training

Tan Tock Seng Hospital (TTSH), Singapore. Facilitated by Dr. Ho Hee Hwa



## When:

**March 4, 2024: 9.00 - 16.00 (SST)**

## Program description:

This course is intended to be a practical primer for interventional cardiologists to adopt Co-registration, an advanced imaging system, in their daily practices at catheterization laboratories. During this one full day course, keynote lectures and live case observations. Dr. Ho will explain in this session what Co-registration is and how it can help optimize your care of patients; offer a step by-step-guide in how to perform Tri-registration (overlaying IVUS and Physiology results with the angiogram) and give you practical tips on how to perform the operation smoothly.

## Course facilitators:



Dr. Ho Hee Hwa is presently a Senior Consultant and Head of Interventional Cardiology Service in the Department of Cardiology, Tan Tock Seng Hospital. He subspecializes in interventional cardiology and maintains a wide interest in the management of acute coronary syndrome, primary percutaneous coronary intervention, and general cardiology.

Dr. Ho is a core clinical faculty member of the National Health Group (NHG) Cardiology Senior Residency Program and is involved in the teaching and mentoring of senior residents. He was the Head of Cardiology Clinical Research from 2012-2019 and had led the Department of Cardiology to embark on several clinical trials and studies. He has published in numerous peer-reviewed international journals and a regular peer-reviewer for several medical journals.



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# Ultra low contrast PCI Thai summit

Siriraj Hospital, Thailand. Facilitated by Dr. Nattawut Wongpraparut



## When:

**April 13, 2024: 13.30 - 17.30 ICT**

## Program description:

This course is intended to be a practical primer for all health care practitioners to adopt ultra low contrast PCI (ULCPCI) in their daily practices at catheterization laboratories. ULCPCI is patient-focused treatment strategy that can bring your procedural excellence by maximum utilization of advanced imaging systems and devices at your cath lab. During this face-to-face education you will learn why contrast opacification matters and how to minimize it while maximizing clinical outcomes

## Course facilitators:



Dr. Nattawut Wongpraparut is an Associate Professor of Medicine and Director of the Cardiac Catheterization Laboratory at The Faculty of Medicine Siriraj Hospital, Mahidol University in Thailand. He received medical degree from Chulalongkorn University, Thailand in 1995. He then completed internal medicine residency (1996-1999) and cardiology fellowship (1999-2002) at Albert Einstein Medical Center, PA, U.S.A., before pursuing an interventional cardiology fellowship and peripheral vascular interventions training (2002-2004) at University of Louisville, KY, U.S.A. He is a fellow of several international medical societies, including the American College of Cardiology, American College of Physicians, European Society of Cardiology, and Society of Cardiovascular Angiography and Interventions, as well a member of local societies, such as the Thai Medical Association. He has authored over 70 articles in peer-reviewed journals and presented several abstracts at professional meetings. His research interests include coronary physiology, intracoronary imaging, and biomarkers.



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