Transoesophageal Echocardiography in Congenital Heart Disease

28 - 30 May 2014

Run by
Evelina London Children’s Hospital
London, UK

With the support of
PHILIPS

www.guysandstthomasevents.co.uk
Course details

Dates

28 May to 30 May 2014

Venue

Park Plaza Riverbank
18 Albert Embankment
London
SE17 TJ
UK

Introduction

This is a three day course in Transoesophageal Echocardiography of Congenital Heart Disease, delivered by the team from the internationally-renowned Evelina London Children’s Hospital. The course is divided into 3 days with a different emphasis on each day.

Day 1

Understanding of indications for TOE
Approach to TOE including potential complications and consent
“Heartworks” TOE simulator sessions in small groups

Day 2

Systematic approach to different structural heart lesions assessed by TOE including:
- Atrioventricular valves
- Left ventricular outflow tract
- Right Ventricular outflow tract
- Atrial Septal Defects
- Ventricular septal defects

Day 3

Three dimensional transoesophageal echocardiography
- Different 3D TOE modalities and indications
- Use of Philips Q lab software to interrogate / crop 3D echo datasets
- Extensive participant cropping of 3D datasets under expert guidance

Who should attend?

This course is aimed at cardiologists, anaesthetists and cardiac physiologists involved in the care of patients with congenital heart disease.

Course Faculty – Evelina London Children’s Hospital

Dr John Simpson
Dr Owen Miller
Dr Kuberan Pushparajah
Dr Sujeev Mathur
Ms Kelly Peacock
Ms Karolina Bilska

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Outline Programme

Day One

Introduction

The normal heart anatomy and nomenclature

Techniques: Approach to TOE
• Types of probe/probe insertion
• The environment: general anaesthetic/sedation

TOE
• complications
• consent

Key views in practice
• Simulation with Heartworks
• Normal heart function

Systematic approach to TOE
• Simulation with Heartworks

Day Two

Structural heart disease

Assessment of structural heart disease

Role of TOE and the operator in:
• Surgery
• Intervention
• ICU

The atrial septal defect

The ventricular septal defect

Assessment of the AV valves
• Mitral valve
• Common AV valve
• Tricuspid valve and Ebstein’s

Assessment of the LVOT and aortic valve

Assessment of the RVOT

All lesions will include assessment for surgery/ catheter guidance for interventions with examples

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Day Three

Lectures and interactive cropping of datasets

Introduction to 3D echocardiography

Approach to image acquisition and cropping

Structural lesions – with emphasis on anatomy and applications in surgical planning and cardiac catheter interventions

Atrial septal defect

Atrioventricular valves

Left ventricular outflow tract lesions

Ventricular septal defects

Difficult anatomy and complex cases

Format

This three day course is split into separate modules with a different emphasis on each day. Day 1 is a highly practical course, using the Heartworks simulator. Day 2 provides an overview of major structural congenital heart lesions and Day 3 is dedicated to three dimensional TOE.

CPD points have been awarded from The Royal College of Physicians.

Course materials

Delegates will receive comprehensive course materials to take away.

Course fees

One Day £300
Two Days £500
Three Days £700

Places for Day 1 are limited to 18 due to the practical nature of the course

To register

To book please visit our website at www.guysandstthomasevents.co.uk
For booking queries, please contact the Events Team, Guy's and St Thomas' NHS Foundation Trust
events@gstt.nhs.uk
Tel: +44 (0) 207 188 1622/3
Guy’s and St Thomas’ NHS Foundation Trust

Guy’s & St.Thomas’ NHS Foundation Trust is one of the largest Foundation Trusts’ in the UK. It consists of St. Thomas’ Hospital, Evelina London Children’s’ Hospital and Guy’s Hospital.

The Trust provides a full range of hospital services, as well as specialist services including cancer, cardiothoracic, women and children’s services, kidney care and orthopaedics. Guy’s is a major centre for cancer and renal services with the UK’s largest kidney donor programme, and is also a leading centre for genetics, stem cell and allergy research. St Thomas’ is a leading centre for the treatment of cardiovascular disease, stroke, HIV and dermatology. The Trust has one of the largest critical care units in the UK and one of the busiest A & E departments in London. It has an annual turnover of £1.2 billion and employs 13,200 staff.

Last year the Trust handled 2 million patient contacts including:

- 956,000 outpatients
- 83,000 inpatients
- 74,000 day case patients
- 176,000 accident and emergency attendances
- 790,000 in community services.
- Delivering 6,800 babies

The Trust has 665 beds at St. Thomas’, 288 at Guy’s, 144 at the Evelina London Children’s Hospital and 64 in the community.

NHS statistics show that our patient survival rates are nearly 25 per cent better than the national average. This is one of the lowest standardised mortality rates in the NHS and provides an important indication of the quality of care provided by our clinical staff.
Evelina London Children’s Hospital

Evelina London Children’s Hospital is at the heart of a network of children’s health services in Lambeth and Southwark and across south east England.

It is located on the St Thomas’ Hospital site and is part of Guy’s and St Thomas’ NHS Foundation Trust. The award-winning state-of-the-art building opened in 2005 and was the first new children’s hospital to open in London in more than 100 years. Involving children and their families in the planning and design has resulted in a truly iconic building, which has a unique calming environment and the best medical facilities, suitable for children with less serious conditions as well as those with complex and life-changing medical needs. Evelina London is not just a building. Our children’s services extend to the care that local children receive in the community. This includes everything from health visitors to specialist input to prevent children with long-term health conditions needing hospital care.

We provide a comprehensive range of children’s healthcare services, so that we are able to look after patients from antenatal diagnosis through childhood, into adolescence and on into adult life. We are very special because we have both a maternity unit and a children’s hospital on the St Thomas’ site. This means newborn babies are able to get the specialist help they need on the same hospital site as their mothers.

At the centre of several specialist children’s health networks, the Evelina co-ordinates complex care for children across the South Thames region, working in partnership with King’s College Hospital, the Royal Marsden Hospital and St George’s Hospital. This means that we ensure patients get a full range of specialised inpatient and outpatient services close to where they live at their local hospital.

Evelina London provides a focus for child health across King’s Health Partners – consisting of Guy’s and St Thomas’ NHS Foundation Trust, King’s College Hospital NHS Foundation Trust, King’s College London, and South London and Maudsley NHS Foundation Trust.

By working closely with Child and Adolescent Mental Health Services at South London and Maudsley we can meet the mental as well as physical health needs of the children and young people we care for.

Jointly with our academic partner King’s College London we are able to provide exceptional education and training opportunities for staff, and to bring the latest treatments to our patients at the earliest opportunity through clinical research and patient studies.

- We are the second largest provider of children’s services in London.
- Children’s services provided in Evelina London and St Thomas’ Hospital treat around 55,000 children a year.
- We have 130 inpatient and day case beds, 20 paediatric intensive care beds, 46 neonatal cots, six operating theatres and a kidney dialysis unit.