



International Faculty

Professor Thor Sundt III
Professor David Sugarbaker
Professor Michael Borger
Professor Andrew Wechsler
Professor Davy Cheng
Professor Patrick Perier
Professor Axel Hoffman
Professor Marco Ranucci
Professor Alain Combes
Professor Manuel Castella
Dr Jörg Ender
Professor Peter Slinger
Professor Gus Mavroudis
Professor Frank Detterbeck
Professor Paul Van Schil
Professor Dominique Grunenwald
Professor Gebrine El Khoury
Professor Jonathan Leff
Professor Manfred Seeberger
Professor Malcolm Underwood
Professor Francisco da Costa
Dr Andy Roscoe
Professor Borut Gersak
Dr David Glineur
Dr Al Perrino
Dr Barbara Deal

[Educational Streams](#)

- ✚ **Anticoagulation and Bleeding in Cardiac Surgery: Optimal Management in Shifting Sands**
- ✚ **Adult Right Sided Heart Disease: Often Forgotten but Can't be Ignored**
- ✚ **Transcatheter Valve Surgery: A Rapidly Evolving Field**
- ✚ **Minimising Surgical Invasion: Innovative Techniques Offer Advances in Therapeutic Options**
- ✚ **Coronary Artery Surgery Just Got Interesting: Understanding the Data**
- ✚ **Peroperative Transoesophageal Echocardiography: Decision Making in Cardiac Surgery**
- ✚ **Congenital Heart Surgery: Arrhythmia Surgery and Advanced Atrioventricular Valve Repair**
- ✚ **Lung Oncology: Contemporary Practice and Advances**
- ✚ **Complex Airway and Mediastinal Surgery**
- ✚ **Simulation Training in Thoracic Surgery and Thoracic Anaesthesia**

Lunch Box Sessions

- ✚ Bicuspid Aortic Valve Disease and Bicuspid Aortopathy
- ✚ State of the Art Aortic Stenting
- ✚ Complex Mitral Valve Disease: Tackling Challenging Variants in Day-to-Day Clinical Practice
- ✚ Cerebral Protection During Cardiac Surgery
- ✚ Extra Corporeal Membrane Oxygenation: Clinical Applications and Practical Tips
- ✚ Mediastinitis: Contemporary Advances in Prevention and Cure
- ✚ How to do it - Complex Thoracic Surgical Resection
- ✚ How to do it - Complex Airway Disease / Mediastinal Tumour Management
- ✚ Allografts in Congenital Heart Surgery: The Present and the Future
- ✚ Lung Volume Reduction Surgery and Home for the Weekend: New Horizons in Emphysema Management

EDUCATIONAL STREAMS

- [Anticoagulation and Bleeding in Cardiac Surgery: Optimal Management in Shifting Sands](#)
- **Chairmen: Gavin Murphy - Ravi Gill**
- **Review Author: Nishith Patel - Gavin Murphy**



◇ **Davy Cheng, London Health Science Centre, University of Western Ontario**



◇ **Axel Hoffman, Health Economist, Medical Society for Blood Management, Laxenburg, Austria**



◇ **Marco Ranucci, Policinico, San Donato Milanese, Milan**



◇ **Gavin Murphy, Bristol Heart Institute**

◇ **Ravi Gill, Southampton University Hospital**

◇ **John Pepper, Royal Brompton Hospital, London**

◇ **Paula Bolton-Maggs, Medical Director, Serious Hazards of Transfusion, NHSBT**

◇ **Andrea Kelleher, Royal Brompton Hospital, London**

◇ **Andy Klein, Papworth Hospital, Cambridge**

◇ **Helen New, Imperial College, London**

◇ **Will Lester, University Hospital Birmingham**

◇ **Nicola Currie, NHSBT & Barts and The London NHS Trust**

Anticoagulation and Bleeding in Cardiac Surgery: Optimal Management in Shifting Sands

Introduction

09:00-09:20 Introduction, Overview, and Educational Objectives

Gavin Murphy

Session 1. Red Blood Cell Transfusion

Moderators: Gavin Murphy / John Pepper

09:20- 09:40 The Economics of Blood Management

Axel Hoffman

09:40-10:00 Perioperative Anaemia and Adverse Outcomes in Cardiac Surgery

Marco Ranucci

10:00-10:20 Haemovigilance: Now and in the Future

Paula Bolton-Maggs

10:20-10:40 Coffee

Session 2. Blood Conservation

Moderators: Ravi Gill / Andrea Kelleher

10:40-11:00 Bleeding, Massive Transfusion and Clinical Outcomes:
Insights fro Randomised, Non-randomised and Experimental Studies

Gavin Murphy

11:00-11:20 Cell Salvage/ Acute Normovolaemic Haemodilution
Preoperative Autologous Donation/ The Role of Miniature Low Volume Prime CPB

Andy Klein

11:20-11:40 Tranexamic Acid: Where we are now?

Andrea Kelleher

11:40-12:00 Controversy of Antifibrinolytic Agents in Cardiac Surgery: The Aprotinin Story

Davy Cheng

12:15-13:45 Lunch Box Sessions

Anticoagulation and Bleeding in Cardiac Surgery: Optimal Management in Shifting Sands

Session 3. Coagulopathy: Pathogenesis Diagnosis and Treatment

Moderators: Paula Bolton-Maggs / John Pepper

14:00-14:20	Coagulopathy: Definition and Pathogenesis	Helen New
14:20-14:40	The Challenges of Multimodality Antiplatelet Therapy / When to Stop What?	Will Lester
14:40- 15:00	Perioperative Point of Care Testing and the Bleeding Patient	Marco Ranucci
15:00- 15:20	Conventional Peroperative Non-RBC Components: Risks and Benefits	Will Lester
15:20-15:35	Coffee	

Session 4. Special Topics

Moderators: Ravi Gill / Gavin Murphy

15:40-16:00	Bleeding and Coagulopathy in Paediatric Cardiac Surgery	Helen New
16:00- 16:20	Emerging Peroperative Blood Product Adjuncts	Nicola Currie
16:20-16:40	Bail Out Adjuncts: Recombinant Activated Factor VII	Ravi Gill
16:40-17:00	Learning Points and Close	All Faculty

Anticoagulation and Bleeding in Cardiac Surgery: Optimal Management in Shifting Sands

Learning Objectives

The Size of the Problem

The Cost of Bleeding

Risk Factors for Bleeding

Institutional Risk Scores

The Impact of Cyanotic Heart Disease

The Challenges of Multimodality Antiplatelet Therapy

The Impact of Novel Antiplatelet Agents

Optimal Preoperative Testing

When to Stop What

Predicting Peroperative Bleeders

The Trasylol Story

Novel Diathermy Options

The Role of Miniature Low Volume Prime CPB

The Role of Cell Salvage

Optimal Peroperative Testing

Point of Care Testing

Optimal Peroperative Blood Product Adjuncts

Bail Out Adjuncts

Can haemostasis be standardised across the county?

Optimal Management of Jehovah's Witnesses

➤ [Adult Right Sided Heart Disease: Often Forgotten but Can't be Ignored](#)

➤ **Chairmen: Frank Wells - Ben Bridgewater - Alain Combes**

➤ **Review Author: Ishtiaq Ahmed - Steve Hunter**



◇ **Patrick Perier, Herz und Gefäss Klinik, Bad Neustadt**



◇ **Alain Combes, Hopital Pitie-Salpetriere, Paris**

◇ **Malcolm Underwood, The Chinese University of Hong Kong**



◇ **Gebrine El Khoury, Cliniques Universitaires Saint-Luc, Leuven**



◇ **Jonathan Leff, Montefiore Medical Centre, New York**



◇ **Manfred Seeberger, University of Basel, Switzerland**



◇ **Andy Roscoe, Toronto General Hospital**



◇ **Frank Wells, Papworth Hospital, Cambridge**

◇ **Ben Bridgewater, Wythenshawe Hospital, Manchester**

◇ **Prakash Punjabi, Imperial College, London**

◇ **David Jenkins, Papworth Hospital, Cambridge**

◇ **Sara Thorne, University Hospital Birmingham**

◇ **Joanna Pepke-Zaba, Papworth Hospital, Cambridge**

◇ **John Dunning, Papworth Hospital, Cambridge**

◇ **Suku Nair, Papworth Hospital, Cambridge**

◇ **Tessa Oelofse, Queen Elizabeth Hospital Birmingham**

◇ **Tim Jones, Birmingham Children's Hospital**

◇ **Neil Howell, Queen Elizabeth Hospital Birmingham**

Adult Right Sided Heart Disease: Often Forgotten but Can't be Ignored

Understanding the Right Heart

Moderators: Frank Wells / Alain Combes

09:00-09:20	The Similarities of the A-V Valves and the Fundamental Differences of the Ventricles	Frank Wells
09:20-09:40	Pathophysiology of Tricuspid Valve Disease & Indications for Intervention	Prakash Punjabi
09:40-10:00	Preoperative Assessment of Right Ventricular Function	Sara Thorne
10:00-10:15	The Importance of Pulmonary Vascular Resistance	Joanna Pepke-Zaba
10:15-10:30	Lessons Learned from Congenital Heart Surgery	Sara Thorne
10:30-10:40	Coffee	

Peroperative Strategies in Right Sided Surgery

Moderators: Prakash Punjabi / Ben Bridgewater

10:40-11:00	Surgical Options in the Management of Tricuspid Valve Regurgitation	Patrick Perier
11:00-11:15	Does Functional Classification Have Anything to Offer in the Management of Tricuspid Valve Dysfunction?	Frank Wells
11:15-11:35	Predicting Failure of Tricuspid Valve Repair Echocardiographic Findings Surgical Findings	Andy Roscoe Gebrine El Khoury
11:35-11:50	When is Tricuspid Valve Replacement an Optimal Strategy?	Patrick Perier
11:50-12:00	Surgical Adjunctive Options	Tim Jones
12:15-13:45	Lunch Box Session	

Adult Right Sided Heart Disease: Often Forgotten but Can't be Ignored

Optimal Management of Right Ventricular Dysfunction

Moderators: Alain Combes / Ben Bridgewater / John Dunning

14:00-14:20 Peroperative Assessment of Right Ventricular Dysfunction **Manfred Seeberger**
Jonathan Leff

14:20-15:05 Management of Right Ventricular Dysfunction

Inotropes and Mechanical Circulatory Support:
Making Choices

Alain Combes

The Role of Pulmonary Vascular Resistance Manipulation

Joanna Pepke-Zaba
Andy Roscoe

15:05-15:20 Decision Making in the Face of Severe Right Ventricular Dysfunction

David Jenkins

15:20-15:35 **Coffee**

Disease Specific Tricuspid Valve Surgery and the Future

Moderators: Malcolm Underwood / Patrick Perier / Frank Wells

15:35-15:55 The Future

Percutaneous Valve implantation

Michael Borger

15:55-16:20 Management of Carcinoid Tricuspid Valve Disease

John Dunning
Neil Howell/ Steve Rooney
Tessa Oelofse

16:20-16:40 Surgery for Isolated Right Ventricular Failure Late Post MV Replacement

Frank Wells / Suku Nair
Prakash Punjabi

16:40-17:00 Tricuspid Valve Endocarditis: Optimal Treatment Strategies

Ben Bridgewater
Patrick Perier

Adult Right Sided Heart Disease: Often Forgotten but Can't be Ignored

Learning Objectives

Understanding the Right Ventricle

Right Ventricular Anatomy

Differences between the Right and Left Ventricle

Echocardiography of the Right Ventricle

Assessment of Right Ventricular Dysfunction

TTE

TAPSE

TOE

Volume Conductance Catheterisation

Cardiac MRI

Pathophysiology of Tricuspid Valve Disease

Clinical Decision Making in the Face of Severe Right Ventricular Dysfunction

Lessons Learnt from Congenital Heart Surgery?

The Role of the Pulmonary Vascular Resistance

How important is assessment of reversibility?

Optimal Management of Right Ventricular Dysfunction

Management of Right Ventricular Dysfunction

Old or new inotropes

Inotropes or Mechanical Circulatory support

The Role of pulmonary artery vasodilators

Nitric Oxide

Sildenafil

Surgical options

Bi directional Glen

Measuring Peroperative Ventricular function

Swan Ganz Catheterisation

TOE

LiDCO

PiCCO

Adult Right Sided Heart Disease: Often Forgotten but Can't be Ignored

Peroperative Strategies in Right Sided Surgery

Surgical Options in the Management of Tricuspid Valve Regurgitation

De Vega Annuloplasty

Ring Annuloplasty

Classical

Non-Planar Rings

Leaflet extension

Replacement

Predicting failure of Repair

Echocardiographic Findings

Surgical Findings

When is Tricuspid Valve Replacement an Optimal Strategy?

The Role for temporary mechanical support

Impella

Levetronics

Disease Specific Tricuspid Valve Surgery and the Future

Management of Carcinoid Tricuspid Valve Disease

Surgery for Isolated Right Ventricular Failure Late Post MV Replacement

How to evaluate Right Ventricular Function

How to assess Right Ventricular Contractile Reserve

How to "Back the Right Horse"

How to Reduce Operative Risk

Tricuspid Valve Endocarditis

The Future

Percutaneous Valve implantation

- [Transcatheter Valve Surgery: A Rapidly Evolving Field](#)
- **Chairmen: Uday Trivedi - Andy Klein**
- **Review Author: Selvaraj Shanmuganathan - Olaf Wendler**



- ◇ **Michael Borger, Herzzentrum, University of Leipzig**



- ◇ **Uday Trivedi, Sussex Cardiac Centre, Brighton**
- ◇ **Andy Klein, Papworth Hospital, Cambridge**
- ◇ **Mo Bhabra, Royal Wolverhampton Hospital**
- ◇ **Neil Moat, Royal Brompton Hospital, London**
- ◇ **Anita McNab, Wythenshawe Hospital, Manchester**
- ◇ **James Eaton, Health Economist, Oxford**
- ◇ **Mamta Buch, Wythenshawe Hospital, Manchester**
- ◇ **Olaf Wendler, King's College Hospital, London**
- ◇ **Vinnie Bapat, St Thomas' Hospital**
- ◇ **Malcolm Dalrymple-Hay, Derriford Hospital**
- ◇ **Neil Howell, University Hospital Birmingham**
- ◇ **Chris Young, St Thomas' Hospital, London**

Transcatheter Valve Surgery: A Rapidly Evolving Field

Evolution or Revolution: The Importance of the Multidisciplinary Team

Moderators: Uday Trivedi / Andy Klein

09:00-09:05	Introduction	Uday Trivedi
09:05-09:25	Surgical AVR in high Risk Patients	Domenico Pagano Neil Howell
09:25-09:45	TAVI Registry / Trial Data Update	Neil Moat
09:45-10:00	A Surgeon's Role in TAVI	Michael Borger
10:00-10:15	An Anaesthetist's Role in TAVI	Andy Klein
10:15-10:30	Preoperative Investigation & Evaluation; The Role of the TAVI Heart Team	Olaf Wendler
10:30-10:45	Coffee	

TAVI: A Multimodal Technology

Moderators: Neil Moat / Michael Borger / Malcolm Dalrymple-Hay

10:45-11:00	Trans-femoral TAVI	
11:00-11:15	Trans-apical TAVI	Michael Borger
11:15-11:30	Subclavian TAVI	Mo Bhabra
11:30-11:45	Direct Aortic TAVI (1)	Vinnie Bapat
11:45-12:00	Direct Aortic TAVI (2)	Neil Moat
12:15-13:45	LUNCH BOX Session	

Transcatheter Valve Surgery: A Rapidly Evolving Field

TAVI : Weighing up the Risks and Benefits

Moderators: Uday Trivedi / Vinnie Bapat

14:00-14:20	TAVI: Is it Cost Effective	James Eaton
14:20-14:40	Management of Procedural Complications	Michael Borger
14:40-15:00	Residual Aortic Valve Regurgitation and Cerebral Injury: The Achilles Heel's of TAVI	Uday Trivedi Neil Moat Chris Young

15:00-15:20 **Coffee**

Pushing the Boundaries: The Future of Transcatheter Valve Surgery

Moderators: Uday Trivedi / Michael Borger

15:20-15:50	MitraClip Implantation: An Update	Mamta Buch / Anita McNab
15:50-16:10	Novel Mitral Valve Technologies	Malcolm Dalrymple Hay
16:10-16:25	Training in Transcatheter Valve Skills	Chris Young
16:25-17:00	Technology Update	Edwards Medtronic St Jude Boston Scientific Abbott Jenavalve

Transcatheter Valve Surgery: A Rapidly Evolving Field

Learning Objectives

The Complete Picture

Changing Patient Profile

The Elderly population

Changing Patient Expectations

Understanding the Prognosis after Valve Surgery

The Health Economic Argument

Transcatheter Aortic Valve Surgery

Shift in Aortic Valve Surgical Practice

The Role of the Heart Team

The Evidence Base

The PARTNER Trial

The SOURCE Registry

Update on UK CCAD data

TAVI practice

Decision Making

The longevity of patients undergoing AVR

Choosing the right patient groups

What the studies tell us so far

Modifications in Implantation

Trans-femoral

Trans-apical

Trans-subclavian / Axillary

Trans-carotid

Ascending Aortic Implantation

Valve-in-Valve Technology

The implants available

Edwards

Medtronic

The Future

[Transcatheter Valve Surgery: A Rapidly Evolving Field](#)

Transcatheter Mitral Valve Surgery

The Evidence Base to Date

The Role of MitraClip Surgery

The Future of Mitral Annuloplasty Devices

Techniques and Approaches

Future Developments

Transcatheter Mitral Valve Replacement

➤ **[Minimising Surgical Invasion: Innovative Techniques Offer Advances in Therapeutic Options](#)**

➤ **Chairman: Joe Zacharias**

➤ **Review Author: Paul Modi - Susannah Love**



◇ **Davy Cheng, University of Western Ontario, London, Ontario**

◇ **Manuel Castella, University Barcelona**

◇ **Borut Gersak, University Medical Centre Ljubljana, Slovenia**



◇ **Joe Zacharias, Blackpool Victoria Hospital**

◇ **Bill Walker, Edinburgh Royal Infirmary**

◇ **Paul Modi, Bristol Heart Institute**

◇ **Steve Hunter, James Cook University Hospital, Middlesbrough**

◇ **Shyam Kolvekar, The Heart Hospital, London**

◇ **Joel Dunning, James Cook University Hospital, Middlesbrough**

◇ **Suku Nair, Papworth Hospital, Cambridge**

◇ **Chris Munsch, Leeds General Infirmary**

◇ **Thanos Athanasiou, Hammersmith Hospital, London**

◇ **Toufan Bahrami, The Royal Brompton Hospital, London**

◇ **Tony D'Souza, The Royal Brompton Hospital, London**

◇ **Ian Morgan, New Cross Hospital, Wolverhampton**

◇ **Roberto Casula, Hammersmith Hospital, London**

◇ **Rex Stanbridge, Hammersmith Hospital, London**

◇ **Chris Young, St Thomas' Hospital, London**

◇ **Franco Ciulli, Bristol Heart Institute**

◇ **Steve Livesey, Southampton General Hospital**

◇ **Inderpaul Birdi, The Essex Cardiothoracic Centre**

◇ **Neil Davidson, Wythenshawe Hospital, Manchester**

◇ **Sally Chisholm, CEO, NHS Technology Adoption Centre**

◇ **Vijay Ramani, The Christie NHS Foundation Trust**

Minimising Surgical Invasion: Innovative Techniques Offer Advances in Therapeutic Options

Conduits and Coronary surgery

Moderators: Shyam Kolvekar - Joel Dunning

Endoscopic Conduit Harvesting:

09:05 – 09:20 Endoscopic Vein Harvesting:

We need a trial before wider adoption

Pro: **Suku Nair**
Chris Munsch

Con: **Joe Zacharias**

Panel Discussion

09:20- 09:45 How I do it session:

Endoscopic Radial artery harvest

Toufan Bahrami

Thoracoscopic IMA harvest

Tony D'Souza
Ian Morgan

Robotic IMA Harvest

Roberto Casula

Panel discussion

09:45-10:20 MidCAB surgery

Starting a program

Results from an established Program

Rex Stanbridge

How does Robotics help perform MidCAB?

Roberto Casula

Panel Discussion

1020 – 1040 **Coffee**

Minimising Surgical Invasion: Innovative Techniques Offer Advances in Therapeutic Options

Aortic Valve Surgery:

Moderators: Rex Stanbridge - Joe Zacharias

10:40-11:15 Hemisternotomy For Aortic Valve surgery

Early insights from a Randomised trial

Suku Nair

Routine Hemisternotomy for Aortic Valve surgery (Tips & Tricks)

Chris Young

Training surgeons in Minimally Invasive AVR

Discussion

Panel

11:15-11:30 Right Anterior Thoracotomy for Aortic Valve surgery

How I do it and how to select patients for it

Borut Gersak

11:30-12:00 Sutureless Aortic valves

When do I use these valves?

Chris Young

Justifying the costs?

Steve Livesey

An Industry Update:

What is hot and what is not!

Sorin

Medtronic

Edwards

Discussion

12:15-13:45 Lunch Box sessions

Minimising Surgical Invasion: Innovative Techniques Offer Advances in Therapeutic Options

Mitral Valve, Tricuspid Valve & AF session

Moderators: Paul Modi - Khalid Khan

14:00-14:40 Endoscopic Mitral surgery

Building a program using the Chitwood clamp

Inderpaul Birdi

Building a program using an Endoclamp

Borut Gersak

Anaesthetic implications of minimally invasive surgery

Davy Cheng

Discussion

Panel

14:40-14:55 Endoscopic tricuspid valve surgery

Tips and Tricks with Endoscopic Tricuspid Valve Surgery

Steve Hunter

Joe Zacharias

Discussion

Panel

14:45-15:20 Minimally Invasive Atrial fibrillation surgery

Working with an EP cardiologist to setup the program

Neil Davidson

How I do AF surgery and How to select patients

Manuel Castella

Discussion

Panel

15:20-15:40 Coffee

Minimising Surgical Invasion: Innovative Techniques Offer Advances in Therapeutic Options

Commissioning and Cross Speciality Fertilization

Moderators: Thanos Athanasiou / Bruce Keogh / Joel Dunning

15:40-15:55	How can we do better at Adopting New Technology?	Sally Chisholm
15:55-16:10	Teaching and training minimally invasive surgery in times of scrutiny	Bill Walker
16:10-16:25	How has Urology gained from adopting Robotics? Technical and economic insights	Vijay Ramani
16:25-16:55	Bridging the Tensions Between Innovation and Cost Constraint: Making a case for minimally invasive surgery	Miles Ayling
16:55-17:00	Discussion	

Minimising Surgical Invasion: Innovative Techniques Offer Advances in Therapeutic Options

Learning Objectives

Starting a Programme

Crossing Hurdles

Establishing a Minimally Invasive Procedure as Gold Standard

Lessons Learned from Thoracic Services

The Tensions between Innovation and Cost Constraint

Lessons from The Urology Services and Robotic Surgery

A view from the top of the NHS

Advice from New Hospital Group NHR

Informing the EWG and HRG process

Commissioning Innovative Techniques

How to Do It: Surgical Techniques, and Rationale Behind Selection

Minimally VATS lobectomy

Minimally Invasive Mitral Valve Surgery

Endoscopic Conduit Harvesting

Minimally Invasive AF Surgery

Lesser Invasive Aortic Valve Surgery

Surgical Approaches

Technical Adjuncts

The Role of the Sutureless Valve

Lesser Invasive Coronary Artery Surgery

MIDCAB Surgery

VATS LIMA harvesting

➤ [Coronary Artery Surgery Just got Interesting: Understanding the Data](#)

➤ **Chairmen: David Taggart - Chris Palin**

➤ **Author Review: Max Baghai - Michael Lewis**



◇ **Andy Wechsler, Drexel University, Philadelphia**



◇ **Thor Sundt III, Massachusetts General Hospital, Boston**



◇ **David Glineur, Clinique Universitaires St-Luc, Belgium**



◇ **David Taggart, John Radcliffe Hospital, Oxford**

◇ **Chris Palin, John Radcliffe Hospital, Oxford**

◇ **Brian Fabri, Liverpool Heart and Chest Hospital**

◇ **Ben Bridgewater, Wythenshawe Hospital, Manchester**

◇ **Gianni Angelini, Bristol Heart Institute**

◇ **Ragheb Hasan, Manchester Royal Infirmary**

◇ **Neil Howell, Queen Elizabeth Hospital, Birmingham**

◇ **Chris Blauth, Guys and St Thomas' Hospital, London**

◇ **Neil Roberts, The Heart Hospital, London**

◇ **Franco Ciulli, Bristol Heart Institute**

◇ **Tony D'Souza, The Royal Brompton Hospital, London**

◇ **Toufan Bahrami, The Royal Brompton Hospital, London**

Coronary Artery Surgery Just got Interesting: Understanding the Data

Session 1

09:00-10:20 **OPCAB Surgery**

Moderators: Franco Ciulli / Chris Palin / Brian Fabri

09:00-09:15	Data Analysis: Lies, Damned Lies and Statistics	Ben Bridgewater Andrew Wechsler
09:15-09:30	OPCAB Surgery: The Evidence Base in 2012	Domenico Pagano Ben Bridgewater
09:30-09:45	How does the Latest Data Inform Practicing Surgeons?	David Taggart
09:45-09:50	Why is Practice so Polarised?	Gianni Angelini
09:50-09:55		Andrew Wechsler
09:55-10:00		Chris Palin
10:20-10:15	The Future of OPCAB Surgery	David Glineur
10:15-10:25	Discussion	Panel
 Session 2		
10:40:12:00	Optimal Revascularisation Strategies	
Moderators: Gianni Angelini / Thor Sundt III / Chris Palin		
	BIMA:	
10:40-10:55	The International Evidence Base	David Taggart
10:55-11:10	The SCTS Evidence	Ben Bridgewater
11:10-11:20	Is the RIMA-LAD revascularisation equivalent to LIMA-LAD?	Neil Howell
11:20-11:25	Why is Practice so Polarised?	Chris Blauth
11:25-11:30		Andrew Wechsler
11:30:11:35		Chris Palin
11:35-11:45	How does the Latest Data Inform Practicing Surgeons?	Panel
11:45-12:00	Hybrid Surgery: What is the Role for Hybrid Surgery in 2012?	Gianni Angelini

Coronary Artery Surgery Just got Interesting: Understanding the Data

Session 3

14:00-15:20 **Graft Longevity: Maximising Surgical Revascularisation**

Moderators: Ragheb Hasan / Tony D'Souza

14:00-14:20	Radial Artery Conduit: A Conduit of Necessity or a Real Advance in Surgical Revascularisation	Brian Fabri
14:20-14:30	Radial Artery Conduit: A North American View	Thor Sundt III
14:30-14:45	Alternative Conduits: Realistic Options Beyond the "norm"? What Evidence is Available?	Ragheb Hasan Tony D'Souza
14:45-15:05	Looking after Grafts: The Evidence for Pharmacoprotection Statins and the Long Saphenous Vein The Role of Clopidogrel ACE Inhibition Others strategies	Neil Roberts
15:05-15:15	Pharmacoprotection: A North American View	Thor Sundt III
15:20-15:20	Discussion	Panel
Session 4		
15:40:17:00	Seminal Updates	
Moderators:	Toufan Bahrami / Lee Winslow / Thor Sundt III	
15:40-16:10	Syntax 4 year Results	David Taggart
16:00-16:20	Discussion	Panel
16:20-16:50	Unpicking the STICHs: Understanding the Results and their Influence on Clinical Practice	Andrew Wechsler
16:50:17:00	Discussion	Panel

- [Peroperative TOE: Decision Making in Cardiac Surgery](#)
- **Chairmen: Donna Greenhalgh - Niall O'Keeffe**
- **Review Author: Anwar Shah - Donna Greenhalgh / Niall O'Keeffe**



◇ **Dr Jörg Ender, Herzzentrum, Universität, Leipzig**



◇ **Al Perrino, Yale School of Medicine, New Haven**

◇ **Jonathan Leff, Montefiore Medical Centre, New York**



◇ **Manfred Seeberger, University of Basel, Switzerland**



◇ **Donna Greenhalgh, Wythenshawe Hospital, Manchester**

◇ **Niall O'Keeffe, Manchester Royal Infirmary**

◇ **Sean Bennett, Castle Hill Hospital, Hull**

◇ **Mark Patrick, Wythenshawe Hospital, Manchester**

◇ **Martin Bewsher, Manchester Royal Infirmary**

◇ **Henry Skinner, Nottingham City Hospital**

◇ **Justiaan Swanevelder, University Hospital Leicester**

◇ **Nick Fletcher, St George's Hospital, London**

Peroperative TOE: Decision Making in Cardiac Surgery

Moderators: Donna Greenhalgh / Niall O'Keeffe

09:00-09:10	Welcome	Donna Greenhalgh & Niall O'Keeffe
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09:10-09:35	Left Ventricular Dysfunction Post Bypass	Sean Bennett
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09:35-10:00	Diastolic Dysfunction	Mark Patrick
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10:00-10:30	Circumflex Injury during Mitral Valve Repair	Jörg Ender
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10:30-11:00	Coffee Break	
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Moderators: Donna Greenhalgh / Niall O'Keeffe

11:00-11:30	Aortic Dissection Diagnosis & Pitfalls	Martin Bewsher
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11:30-12:00	Aortic Stenosis during CABG: What to do?	Henry Skinner
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12:15-13:45	Lunch Box Sessions	
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[Peroperative TOE: Decision Making in Cardiac Surgery](#)

Moderators: Donna Greenhalgh / Niall O'Keeffe

14:00-14:30	Paravalvular leak: How much can you leave?	Justiaan Swanevelder
14:30-15:00	Mitral valve repair: What to do when it still leaks?	Al Perrino
15:00-15:30	Tricuspid Assessment: When do you intervene?	Jonathon Leff
16.00- 16.30	Assessment of the Right Ventricle using Additional Cross-sectional Views	Manfred Seeberger
16.30-17.00	Intracardiac Masses: Know and Unknown	Nick Fletcher

Contemporary Issues in Peroperative Transoesophageal Echocardiography

Indications

When should TOE be used in Cardiac Surgery?

The Evidence Base

Class of Recommendation

Risks and Precautions

Preoperative Identification of Valvular Lesions

Evaluation of Aortic Valve Regurgitation:

How much Aortic Valve Regurgitation is Too Much?

Evaluation of Aortic Valve Disease:

The Importance of Aortic Valve Calcification – When to do What?

Ischaemic Mitral Valve Disease:

In depth Analysis of Ischaemic Mitral Valve Tethering

Identification of the Risk Factors for early Mitral Valve Repair Failure

Recognising the Preoperative Risk Factors for SAM

Tricuspid Annular Dimensions: When to Intervene?

Size Alone, or Indexed?

Quantitative Analysis of Right Ventricular Function

Ascending Aortic Pathology:

The Importance of Analysis and the Potential Pitfalls

Postoperative Evaluation

Regional Wall Motion Abnormalities

When should Graft Re-exploration be recommended?

How much Residual Mitral Valve Regurgitation is Too Much After MV Repair

When does SAM require Re-exploration?

The Importance of Aortic Valve Analysis post MV Repair

How Much Paravalvar Leak is Too Much?

Identification of Regional Wall Motion Abnormalities after Valve Surgery

Diastolic Dysfunction Following Cardiac Surgery

The Optimal Use of TOE on ITU

➤ **[Congenital Heart Surgery: Arrhythmia Surgery and Advanced Atrioventricular Valve Repair](#)**

➤ **Chairmen: Nihal Weerasena - Tim Jones - Gus Mavroudis**

➤ **Chairmen: Craig Bailey - Sally Wilmhurst**



[Arrhythmia Surgery:](#)

Review Author: Nigel Drury - Nihal Weerasena - Gus Mavroudis

◇ **Gus Mavroudis, Children's Memorial Hospital, Chicago**



◇ **Barbara Deal, Children's Memorial Hospital, Chicago**



◇ **Manuel Castella, Hospital Clinic of Barcelona**



◇ **Nihal Weerasena, The General Infirmary, Leeds**

◇ **Tim Jones, Birmingham Children's Hospital**

[Advanced Atrioventricular Valve Surgery:](#)

Review Author: Mazyar Kanani - Tim Jones - Gus Mavroudis

◇ **Patrick Perier, Herz und Gefäss Klinik, Bad Neustadt**



◇ **Gebrine El Khoury, Cliniques Universitaires Saint-Luc, Leuven**



◇ **Gus Mavroudis, Children's Memorial Hospital, Chicago**



◇ **Tim Jones, Birmingham Children's Hospital**

◇ **Nihal Weerasena, The General Infirmary Leeds**

◇ **Frank Wells, Papworth Hospital, Cambridge**

◇ **Mark Redmond, Our Lady's Children's Hospital, Crumlin**

◇ **Sara Thorne, Queen Elizabeth Hospital Birmingham**

◇ **Andrew Parry, Birmingham Children's Hospital**

◇ **Mazyar Kanani, Birmingham Children's Hospital**

◇ **David Baron, Birmingham Children's Hospital**

[Congenital Heart Surgery: Arrhythmia Surgery](#)

Moderators: Nihal Weerasena / Craig Bailey

The Cardiological Field of Arrhythmias in Patients with Congenital Heart Disease

Barbara Deal

Surgery for Arrhythmia in Patients with Congenital Heart Disease

Gus Mavroudis

Lesser Invasive Approaches to the Management of Patients with Congenital Heart Disease

Manuel Castella

Congenital Heart Surgery: Advanced Atrioventricular Valve Repair

Moderators: Tim Jones / Sally Wilmhurst

14:00-14:20	The Mitral Valve: An Elaborate Functional Unit	Frank Wells
14.20-14:40	What are the differences between the Mitral valve and the Left AV valve?	Mazyar Kanani
14:40-15:15	Lessons to be learnt from the management of acquired mitral valve disease The Carpentier and Resect Philosophy The Respect Philosophy	Gebrine El Khoury Patrick Perrier
15:15-15:30	Discussion	Panel
15:30-15:50	Coffee	

Moderators: Andrew Parry / Gus Mavroudis

15:50-16:10	Mitral intervention – Pre, Peri and Post Pregnancy	Sara Thorne
16:10-16:40	Management of the AV valve in AVSD	Mark Redmond
16:40-17:00	Management of the Tricuspid Valve in the Systemic Ventricle and ccTGA	David Baron
17.00	CLOSE	

Congenital Heart Surgery: Arrhythmia Surgery and Advanced Atrioventricular Valve Repair

Learning Objectives

➤ State of the Art Atrial Fibrillation Ablation in Congenital Heart Disease Patients

Anatomical Considerations

How Congenital Heart Disease Impacts the Optimal Lesion Set

Energy Sources

“The Cut and Sew Maze” and Beyond

Radiofrequency

Cryotherapy

Ultrasound

When to Use What?

The Long-term effects of Lesions crossing the Circumflex and Right Coronary Arteries

Lesion Sets

The Optimal Lesions Sets for Atrial Fibrillation

Paroxysmal Atrial Fibrillation

Persistent Atrial Fibrillation

Long Standing Persistent Atrial Fibrillation

Varying Anatomical Subgroups

State of the Art Post-operative Care

Post Operative Medication

Optimal Postoperative Investigations

ECGs: How long to Monitor?

TTE: Evidence of Atrial Contraction

Discontinuation of Anti-arrhythmics

Discontinuation of Anticoagulation

Follow-Up

How Long?

How Often?

What Investigations?

Results

Understanding the Results

How Comparable are They?

Standardisation of Postoperative Follow-Up Allows Comparison of Surgical Techniques

[Congenital Heart Surgery: Arrhythmia Surgery and Advanced Atrioventricular Valve Repair](#)

Learning Objectives

➤ **Advanced Atrioventricular Valve Repair**

Anatomy of the AV Valves

The Similarities and Difference of the AV Valves in Congenital Heart Disease

The Differences between the Systemic and the non-systemic Ventricle

Management of Leaflet Disease

The Surgical Options in the Management of Atrioventricular Valve Disease

The Principles in the Restoration of Leaflet Coaptation

Treatment of Subvalvar Disease

Understanding the Importance of the Subvalvar Anatomy

Management of Subvalvar Disease

What can the Congenital Cardiac Surgeon Learn from Adult Surgical Practice?

Cross Fertilization of Knowledge Learned from Adult Atrioventricular Disease

Disease Specific Congenital heart Disease and How this Impacts Decision Making

Atrioventricular Septal Defects

Congenitally Corrected Transposition of the Great Arteries

Single Ventricular Anatomy

➤ [Lung Oncology: Contemporary Practice and Advances](#)

➤ **Chairman: Ed Black**



- ◇ **Dominique Grunenwald, Hôpital Tenon, University of Paris**
- ◇ **David Sugarbaker, Brigham and Women's Hospital, Boston, USA**
- ◇ **Ed Black, John Radcliffe Hospital, Oxford**
- ◇ **Ali Al-Jilaihawi, Hairmyres Hospital, Glasgow**
- ◇ **Richard Steyn, Birmingham Heartlands Hospital**
- ◇ **John Gosney, Royal Liverpool University Hospital**
- ◇ **Fergus Gleeson, John Radcliffe Hospital, Oxford**
- ◇ **Matthew Callister, St James' University Hospital, Leeds**
- ◇ **Karen Redmond, Royal Brompton Hospital, London**
- ◇ **Jonathan Ferguson, James Cook University Hospital, Middlesbrough**
- ◇ **M Anderson, Oxford University Hospital**
- ◇ **N Bates, Oxford University Hospital**
- ◇ **Jim McGuigan, Royal Victoria Hospital**
- ◇ **Mike Cowen, Castle Hill Hospital, Hull**
- ◇ **Richard Milton, St James' University Hospital, Leeds**



Lung Oncology: Contemporary Practice and Advances

Moderators: Richard Steyn / Ali Al-Jilaihawi

09:00-09:05	Introductory remarks	Ed Black
9:05- 09:30	Lung cancer pathology: evolving classifications and molecular markers	JR Gosney
09:30-10:00	Lung cancer screening: Context of and plans for the UK	F Gleeson
10:00-10:30	The problem of solitary and micro pulmonary nodules	M Callister
10:30-10:50	Coffee	

Moderators: Karen Redmond / Jonathan Ferguson

10:50-11:20	Percutaneous ablation: RFA and MWA	M Anderson
11:20-12:00	Stereotactic Radiotherapy	N Bates
12:15-13:45	Lunch Box Sessions	

Lung Oncology: Contemporary Practice and Advances

Moderators: Jim McGuigan / Mike Cowen

14:00-14:05	Introductory remarks	E Black
14:05-14:35	Pancoast Resection: technique and outcomes	D Grunenwald
14:35-15:05	Surgery for MSPNs and SPNs: Wire localization and Techniques	Richard Milton
15:05-15:20	Coffee	

Moderators: Jim McGuigan / John Duffy

15:20-17:00

Multidisciplinary Team Discussion

N Bates
F Gleeson
JR Gosney
D Grunenwald
M Callister
D Sugarbaker

Closing Remarks

E Black

- [Complex Airway and Mediastinal Surgery](#)
- Chairmen: Doug West - Ian Hunt
- Review Author: Binayak Chanda - Doug West / Carol Tan



◇ Andy Roscoe, Toronto General Hospital



◇ Peter Slinger, University of Toronto



◇ Frank Detterbeck, Yale University, New Haven



◇ David Sugarbaker, Brigham and Women's Hospital, Boston



◇ Dominique Grunenwald, Hopital Tenon, University of Paris VI

◇ Paul Van Schil, Antwerp University, Belgium



◇ Ian Hunt, St Georges Hospital, London

◇ Doug West, Bristol Royal Infirmary

◇ Ehab Bishay, Birmingham Heartlands Hospital

◇ Joseph Khalil-Marzouk, University of Coventry and Warwickshire

◇ David Waller, Glenfield Hospital, Leicester

◇ Juliet King, Guys' and St Thomas' Hospital, London

◇ Martin Elliot, Great Ormond Street, London

◇ Pala Rajesh, Birmingham Heartlands Hospital

◇ Pawan Minhas, St George's Hospital, London

◇ Sion Bernard, The Freeman Hospital, Newcastle

◇ Alan Kirk, Golden Jubilee National Hospital, Glasgow

◇ David Breen, Oxford Centre for Respiratory Medicine

Complex Airway and Mediastinal Surgery

Complex Airway Surgery

Moderators: Ehab Bishay / Andy Roscoe

09:00-09:05 Introduction and opening remarks

**Doug West
Ian Hunt**

09:05-09:25 Airway reconstruction

Joe Marzouk

09:25-09:45 Endobronchial therapy

David Breen

09:45-10:00 Anaesthesia & airway surgery

Peter Slinger

10:00- 10:30 Round table

Panel

10:30 – 10:50 Coffee

Moderators: David Waller / Juliet King

10:50 – 11:40 MDT: Complex Airway cases

**Joe Marzouk
David Sugarbaker
Peter Slinger
David Breen
Paul Van Schil**

Moderator: Doug West

11:40 – 12:00 Recent progress in tracheal replacement: a paradigm shift in airway surgery?

Martin Elliott

12:15- 13:45 Lunch Box Sessions

Mediastinal Tumour Surgery

Moderators: Pala Rajesh / Ian Hunt

- 14:00-14:20** Surgical approaches to mediastinum: “from mediastinoscopy to robotic surgery” **Paul Van Schil**
- 14:00-14:20** Multimodality approaches to thymomas (anterior mediastinum) **Frank Detterbeck**
- 14:40 – 15:00** Combined approaches to spinal & chest wall tumours (posterior mediastinum) **D Grunenwald
Pawan Minhas**
- 15:00 – 15:25** Round table **Panel**
- 15:25 – 15:45** Coffee

Moderators: Sion Bernard / Alan Kirk

- 15:45 -16:50** MDT for Complex Mediastinal cases **P Van Schil
F Detterbeck
Pala Rajesh**
- 16:50 -17:00** Closing remarks **Doug West
Ian Hunt**

➤ Simulation Training in Thoracic Surgery and Thoracic Anaesthesia

- ◇ **Peter Slinger** **University of Toronto, Canada**
- ◇ **S Rathinam** **Consultant Thoracic Surgeon, University Hospitals of Leicester**
- ◇ **R Annamaneni** **Consultant Anaesthetist, University Hospitals of Leicester**
- ◇ **M Molyneux** **Consultant Anaesthetist, Bristol Royal Infirmary**
- ◇ **M Kalkat** **Consultant Thoracic Surgeon, Birmingham Heartlands Hospital**
- ◇ **N Harvey** **Consultant Anaesthetist, University Hospitals of Leicester**
- ◇ **J Bence** **Consultant Anaesthetist, University Hospitals of Leicester**
- ◇ **G Casoli** **Consultant Thoracic Surgeon, Bristol Royal Infirmary**
- ◇ **N Rasburn** **Consultant Anaesthetist, Bristol Royal Infirmary**
- ◇ **N Joshi** **Specialty Trainee, Bristol Royal Infirmary – National Coordinator One Lung Group**
- ◇ **T Macleod** **Consultant Anaesthetist, Birmingham Heartlands Hospital**



This is an interactive stream with hand-on skills stations and simulation scenarios targeting both the thoracic anaesthetic and surgical trainees and delegates.

The One Lung course has been developed by a national group of experts from across the UK. All the techniques taught are evidenced based and peer reviewed. The emphasis is developing 'hands on' practical skills through repeated practice using skill stations and simulation.

This is the first attempt at have a joint teaching aimed at both anaesthetists and surgeons using the strong fundamentals set by the one lung group.

This state of art training model offers delegates the hand on interactive skills stations and simulation scenarios on thoracic surgical emergencies and the art of team working between thoracic anaesthetists and surgeons in real life emergencies.

Maximum number will be limited to 20 delegates to enable hands on experience for the delegates and healthy interaction with the faculty.

Skills station

45 minutes each (delegates can choose 4 main station and observe in the other two)

The delegates perform the procedures on mannequins under the direct supervision of the faculty.

Rigid Bronchoscopy and Surgical aids to Single lung ventilation

Stent Placement

Insertion of Bronchial Blocker

Insertion of mini-tracheostomy / Percutaneous tracheostomy

Insertion of DLET

Computer generated Bronchoscopy simulation



Simulation scenarios:

The Interactive hands on Simulation scenarios will have the delegates engaging in real life emergency situations involving thoracic surgical patients using simulation mannequins with real time haemodynamics and physiology simulating a thoracic theatre/ Emergency department.

45 minutes for each scenario. Candidates will have the opportunity to learn from simulated emergencies. Each simulation will be followed by a de-brief.

Chest trauma

Intra-operative Hypoxia

Airway management

www.onelung.org.uk

LUNCH BOX SESSIONS

➤ [Bicuspid Aortic Valve Disease and Bicuspid Aortopathy](#)

➤ **Moderators: Chris Young - Mark Redmond**

➤ **Review Author Ben Davies - Chris Young**

- ◇ **Thor Sundt III, Massachusetts General Hospital, USA**
- ◇ **Gebrine El Khoury, Cliniques Universitaires Saint-Luc, Leuven**
- ◇ **Chris Young, St Thomas' Hospital, London**
- ◇ **Matt Thompson, St George's Hospital, London**
- ◇ **Mark Redmond, Our Lady's Children's Hospital, Crumlin**

- **Recognising the Syndrome**

- Aortic Valve Disease
- Aortopathy
- The Incidence
- Genetic Transmission

- **Defining Bicuspid Aortic Valve Disease**

- Anatomical Variants
- Influence of Anatomical Variants on Surgical Techniques
 - Aortic Valve Leaflet Repair
 - Valve Sparing Aortic Root Replacement
- Predictors of Surgical Failure
- The Surgical Results of Aortic Valve Repair Surgery

- **Bicuspid Aortopathy**

- The Natural History of Bicuspid Aortopathy
- Bicuspid Aortopathy: The Driving Forces
- The Timing of Aortic Intervention
- The Influence of Age on Decision Making

- [State of the Art Aortic Stenting](#)
- **Moderators: Manoj Kudavalli - Leon Hadjinikolaou**
- **Review Author: Aaron Ranasinghe - Donald Adam**
 - ◇ **Donald Adam, Heart of England NHS Foundation Trust, Birmingham**
 - ◇ **Leon Hadjinikolaou, University Hospitals of Leicester**
 - ◇ **Manoj Kudavalli, The Liverpool Heart and Chest Centre**
 - ◇ **Richard McWilliams, Royal Liverpool University Hospital**

Surgical Anatomy, pathology and 'zones' for TEVAR

Manoj Kuduvalli

The evidence for TEVAR

Donald Adams

Technical aspects - simple, fenestrated and branched TEVAR

Richard McWilliams

Hybrid procedures for thoracic and thoraco-abdominal aneurysms

Leon Hadjinikolaou

➤ [Complex Mitral Valve Disease: Tackling Challenging Variants in Day-to-Day Clinical Valve Practice](#)

➤ **Moderator: Chris Blauth**

➤ **Review Author: Neil Howell - Ben Bridgewater**

◇ **Chris Blauth, St Thomas' Hospital, London**

◇ **Frank Wells, Papworth Hospital, Cambridge**

◇ **Patrick Perier, Herz und Gefäß Klinik, Bad Neustadt**

◇ **Rob Feneck, St Thomas' Hospital, London**

Bileaflet prolapse

Calcified Posterior Mitral Valve Annulus

SAM pre and post MV Repair

Posterior Left Ventricular Rupture Post Mitral Valve Surgery

- [Cerebral Protection During Cardiac Surgery](#)
- Moderator: Sean Bennett
- Review Author: Debbie Harrington - Sean Bennett - Robert Bonser
 - ◇ Andy Klein, Papworth Hospital
 - ◇ Sean Bennet, Castle Hill, Hospital
 - ◇ Rob Bennett, Castle Hill Hospital
 - ◇ Gavin Murphy, Bristol Heart Institute

Cerebral Oximetry in Specific Cardiac Cases

Andy Klein

Surgical View of Cerebral Oximetry plus update on PASPORT study

Gavin Murphy

How Does Cerebral Oximetry Effect Management of Cardiopulmonary Bypass?

Rob Bennett

Should Cerebral Oximetry be used in All Cardiac Cases?

Sean Bennett

➤ [Extra Corporeal Membrane Oxygenation: Clinical Application and Practical Tips](#)

➤ **Moderators: Richard Firmin - Alain Combes**

➤ **Review Author: Chris Harvey - Richard Firmin**

◇ **Alain Combes; Hopital Pitie-Salpetriere, Paris**

◇ **Marco Ranucci, San Donato Milanese, Milan**

◇ **Richard Firmin, University Hospital Leicester**



Indications

Post Cardiotomy

Respiratory Support

Advanced Heart Failure – Bridge to Decision

What Devices?

Central or Peripheral

Proximal hypoxia

Subclavian / Axillary or Femoral

Anticoagulation Regimes

Management of LV distension

Impella

LV venting

Transeptal puncture

➤ [Mediastinitis: Contemporary Advances in Prevention and Cure](#)

➤ Moderator: Mo Bhabra

➤ Review Author: Ralph White - Graham Cooper

- ◇ Mo Bhabra, New Cross Hospital, Wolverhampton
- ◇ John Dunning, Papworth Hospital, Cambridge
- ◇ Shyam Kolvekar, The Heart Hospital, London
- ◇ Ranjit Deshpande, Kings College Hospital, London

➤ Surgical Site Infection

Care Bundles

- Unit Process
- Screening for infection
- Launch Diagnostics

Prophylaxis

- Antibiotics
- Wound preparation
 - Antiseptic solutions
 - Antiseptic Drapes
 - “Shaving”

Topical Antibiotics

- MSSA nasal carriage – Can Eradication reduce post op infections

Topical Applications

- Prophylactic Platelet Gel
- Collatamp

➤ Management of Mediastinitis

Strategies to Prevent Mediastinitis

- Sternal Stability
- Haemostatic control
 - The Evils of Bonewax

Establishing a Diagnosis

Imaging

Optimal Surgical Management

- Surgical Debridement and VAC dressing
- Surgical Debridement and Sternal Rewiring
 - Management of the Unstable Sternum
 - Avoidance of Right Ventricular Injury

Secondary Healing or Definitive Sternal Reconstruction

Plastic Surgical Involvement in Definitive Repair

Platelet Gel in Facilitating Wound Healing

➤ [How to do it – Complex Thoracic Surgical Resection](#)

➤ Moderator: Ed Black

◇ David Sugarbaker, Brigham and Women's Hospital, Massachusetts

Surgery for mesothelioma

David Sugarbaker

➤ [How to do it - Complex Airway Disease / Mediastinal Tumour Management](#)

➤ **Moderator: Ian Hunt**

◇ **Paul Van Schil, Antwerp University, Belgium**

◇ **David Breen, Oxford Centre for Respiratory Medicine**

Robotic Thymectomy

Paul Van Schil

Endobronchial Therapy for Airway Obstruction

David Breen

➤ [Allografts in Congenital Heart Surgery: The Present and the Future](#)

➤ **Moderators: Andrew Parry - Tim Jones**

➤ **Review Author: Vanessa Rogers - Natasha Khan**

◇ **Professor Francisco Da Costa**

○ **The National Fulfilment System: How do we ensure efficient and equitable distribution of allografts**

○ **Clinical Evaluation of Decellularised Allografts: Optimal Evaluation of Novel Technology**

[Lung Volume Reduction Surgery and Home for the Weekend: New Horizons in Emphysema Management](#)

Moderators: Margaret Kornacewska – Kostas Papagiannopoulos

- ◇ **Margaret Kornaszewska, University Hospital of Wales**
- ◇ **Kostas Papagiannopoulos, St James University Hospital, Leeds**
- ◇ **Pallav Shah, Royal Brompton Hospital, London**

Prevalence, pathogenesis, medical management of Emphysema

Margaret Kornaszewska

Treatment beyond medication

Kostas Papagiannopoulos

Historical developments

LVRS (NETT study)

Emerging technology: EBV (VENT), IBV, Coils, Steam, Glue

Endobronchial lung volume reduction in 2012

Pallav Shah

Historical overview of EBV technology (timeline of EBV from 2006)

EBV and Chartis

Technology

Results

Putting data into practice

Margaret Kornaszewska

Treatment algorithm (includes patient selection, investigations, etc)

Technique

Video Techniques

Kostas Papagiannopoulos

Cases histories

Questions and Discussion

Panel