



ROYAL COLLEGE OF
PHYSICIANS OF IRELAND

MASTERCLASS

Royal College of Physicians of Ireland
No. 6 Kildare St, Dublin 2

4.00 pm Wednesday, May 6, 2009

RCPI Masterclass Series 2008/2009
***Treating the Acutely Ill
Patient*** – Update and advances
in management of common medical
conditions presenting on call

**Part VI: Cardiology
Session**



Welcome

Dr John Donohoe
President, RCPI

Dr Diarmuid O'Shea
Masterclass Series Convenor, RCPI



Dear Delegates,

In line with its mission to promote excellence in medical education and to support the advancement of the medical profession, we are pleased to welcome you to today's meeting – the ***Cardiology session of the RCPI Masterclass Series on Treating the Acutely Ill Patient.***

The RCPI Masterclass Series – which will run over seven sessions from November 2008 through to June 2009 – is aimed at keeping doctors up to date in evolving medical practice outside their specialty area and to facilitate their continuing medical education.

The objective of the series is to help those who are at the front line of our health service continuously improve their skills base, effectively facilitating excellence in patient care. The series brings together medical experts from a variety of specialties under a central theme, provides a senior forum for peer discussion and has in the past attracted unprecedented numbers for Irish training. The entire series will be webcast live to 22 regional hospitals and will also be available as a recorded webcast via the RCPI's online medical education centre.

We would like to thank the chairs of this session, Dr Carl Vaughan and Prof Ken McDonald, and the speakers for their contribution to the programme and the series.

Each session qualifies for 3 CME credits from RCPI (21 in total for the series).

If you have suggestions for future topics in the series include them on the assessment form in your meeting pack. Alternatively, email your suggestions to us at helenmurray@rcpi.ie.

We hope you enjoy the meeting.

A handwritten signature in black ink, appearing to read 'John Donohoe'.

Dr John Donohoe
President
Royal College of Physicians of Ireland

A handwritten signature in black ink, appearing to read 'Diarmuid O'Shea'.

Dr Diarmuid O'Shea
Vice President for Education and
Professional Development
Royal College of Physicians of Ireland

TIME	TITLE	SPEAKER	CHAIR
15.30 – 16.00	Registration		
16.00 – 16.25	Management of Non-ST Elevation Myocardial Infarction	Dr Donal Murray Sligo General Hospital	Dr Carl Vaughan, Mercy University Hospital, Cork
16.25 – 16.30	Question and Answer Session		
16.30 – 16.55	Hypertensive Emergencies and Urgencies	Dr Carl Vaughan Mercy University Hospital, Cork	
16.55 – 17.00	Question and Answer Session		
17.00 – 17.25	How to use BNP	Prof Ken McDonald St Vincent's University Hospital, Dublin	
17.25 – 17.30	Question and Answer Session		
17.30 – 17.45	Refreshments		
17.45 – 18.10	How to Manage Common Arrhythmias in CCU	Dr John Erwin St Vincent's University Hospital, Dublin	Prof Ken McDonald, St Vincent's University Hospital, Dublin
18.10 – 18.15	Question and Answer Session		
18.15 – 18.40	Imaging the Acutely Ill Patient	Dr Ross Murphy St James's Hospital, Dublin	
18.40 – 18.45	Question and Answer Session		
18.45 – 19.15	Panel Discussion		

This meeting is approved for 3 CME credits by the Royal College of Physicians of Ireland

Dr Carl Vaughan,
Mercy University Hospital, Cork



Dr Vaughan will chair session 1

Carl Vaughan is currently a Consultant Cardiologist at the Mercy University Hospital/ Cork University Hospital in Cork. He earned his medical degree from University College Cork in 1989 and did his early medical training in Cork. He then began training in cardiology in Cork and pursued an MD degree in University College Cork in 1994 before moving for further training to Cornell Medical Centre in New York in 1996. There he pursued fellowship training in cardiology and participated in research on the molecular genetic basis of cardiovascular disease. He joined the faculty at Cornell Medical Centre in 2001 and returned to Cork in 2004.

Dr Vaughan has published widely on many aspects of cardiovascular disease including studies on the molecular genetic basis of inherited heart disease and dyslipidaemia.

Prof Ken McDonald,
St Vincent's University Hospital, Dublin



Prof McDonald will chair session 2

Ken McDonald is a Consultant Cardiologist in St Vincent's University Hospital, Dublin. He is also a lecturer in Medicine at University College Dublin specialising in heart failure and interventional cardiology. Professor McDonald qualified from UCD medical school in 1981 and trained in St Vincent's University Hospital before moving to the University of Minnesota USA in 1988. Between 1991 and 1996 he held the position of Assistant Professor of Medicine in the Division of Cardiovascular Medicine at the University of Minnesota and was subsequently promoted to Associate Professor of Medicine in 1996. Prof McDonald is chairman of the Irish Heart Foundation Council on Heart Failure.

He has had longstanding research interest in Heart Failure focusing primarily on the areas of ventricular remodelling, prevention of heart failure and health care delivery of heart failure services.

Session 1

16.00 – 16.25

Management of Non-ST Elevation Myocardial Infarction

Dr Donal Murray
Sligo General Hospital



Biographical Sketch

Donal Murray is a Consultant Physician with a special interest in cardiology at Sligo General Hospital where he has worked since 1989. Prior to this he worked as Lecturer in Cardiovascular Medicine at the University of Oxford and Senior Registrar at Cork University Hospital.

Research interests include non-invasive cardiac investigations and the management of acute coronary syndromes.

Overview of Presentation

The definition and rising incidence of Non ST Elevation will be discussed. The pros and cons of using guidelines will be considered. In particular, some of the recommendations from the recently published European Society of Cardiology and American College of Cardiology Guidelines will be assessed.

Finally, the possibility of introducing performance measurement on a national basis, with a view to optimizing standards of care, will be considered.

16.30 – 16.55

Hypertensive Emergencies and Urgencies

Dr Carl Vaughan
Mercy University Hospital, Cork



Biographical Sketch

Carl Vaughan is currently a Consultant Cardiologist at the Mercy University Hospital/Cork University Hospital in Cork. He earned his medical degree from University College Cork in 1989 and did his early medical training in Cork. He then began training in cardiology in Cork and pursued an MD degree in University College Cork in 1994 before moving for further training to Cornell Medical Centre in New York in 1996. There he pursued fellowship training in cardiology and participated in research on the molecular genetic basis of cardiovascular disease. He joined the faculty at Cornell Medical Centre in 2001 and returned to Cork in 2004.

Dr Vaughan has published widely on many aspects of cardiovascular disease including studies on the molecular genetic basis of inherited heart disease and dyslipidaemia.

Overview of Presentation

Dr Vaughan will present on hypertensive emergencies and urgencies

Session 1

17.00 – 17.25

How to use BNP

Prof Ken McDonald
St Vincent's University Hospital, Dublin



Biographical Sketch

Ken McDonald is a Consultant Cardiologist in St Vincent's University Hospital, Dublin. He is also a lecturer in Medicine at University College Dublin specialising in heart failure and interventional cardiology. Professor McDonald qualified from UCD medical school in 1981 and trained in St Vincent's University Hospital before moving to the University of Minnesota USA in 1988. Between 1991 and 1996 he held the position of Assistant Professor of Medicine in the Division of Cardiovascular Medicine at the University of Minnesota and was subsequently promoted to Associate Professor of Medicine in 1996. Prof McDonald is chairman of the Irish Heart Foundation Council on Heart Failure.

Overview of Presentation

Natriuretic peptides are increasingly used in the in-patients management of cardiovascular disease. Either assessed as BNP or N-terminal pro BNP their role is mainly in diagnosis and prognosis but they also have a potential role in guiding therapy. In particular, they are very useful in the care of patients presenting with acute decompensated heart failure where they have a role in the triage and differential

diagnosis of patients presenting to the emergency room with dyspnoea, initial assessment of response to therapy and risk assessment prior to discharge.

Aside from heart failure natriuretic peptides also have a role in the assessment of patients with myocardial ischaemia where they provide additional diagnostic and prognostic information.

Session 2

17.45 – 18.10

How to Manage Common Arrhythmias in CCU

Dr John Erwin
St Vincent's University Hospital, Dublin



Biographical Sketch

John Erwin is a Consultant Cardiologist at St Vincent's University hospital and the Blackrock Clinic in Dublin. Dr Erwin is a graduate of University of Dublin, Trinity College and undertook postgraduate medical and cardiology training in Dublin and London

Dr Erwin is a pioneer in interventional management of supraventricular tachycardias in Ireland and is currently active in device management of cardiac arrhythmias and heart failure.

Overview of Presentation

The presentation will outline and discuss management of acute conduction system disturbance post myocardial infarction and the management of ventricular arrhythmias post myocardial infarction.

Session 2

18.15 – 18.40

Imaging the Acutely Ill Patient

Dr Ross Murphy
St James's Hospital, Dublin



Biographical Sketch

Ross Murphy is a Consultant Cardiologist at St James's Hospital, Dublin. He is a graduate of the Royal College of Surgeons in Ireland, and after SpR training at St James's Hospital, was a Research Fellow at St George's Hospital Medical School, London. He then finished his clinical fellowship at The Cleveland Clinic, Cleveland, Ohio.

His areas of interest are Cardiac Imaging, Cardiomyopathy and Heart Failure. He has published over 50 papers, book chapters and reviews.

Overview of Presentation

Cardiac Imaging has undergone something of a revolution over the last decade and the traditional reliance on x-ray fluoroscopic angiography in the emergency setting has given way to a more broad-based approach, based around echo, CT and MRI. Medical emergencies such as suspected PE, tamponade, and dissection are successfully and reliably diagnosed by non-invasive methodology, and this session seeks to clarify the appropriate uses and abuses of these modalities, at a time when "triple rule-out" by CT (is this PE, coronary disease or dissection?) is being widely touted as the next panacea for the Emergency Room. The role of echo, as a cheap, portable but demanding technology, will be

discussed, as will the potential to broaden training in this area. The international medical community are still coming to terms with the rapid maturing of Cardiac CT, and the appropriate indications in 2009 will be scrutinized. Cardiac MRI is a logistical challenge in the acute setting, but is attractive as a diagnostic tool, given its lack of ionizing radiation, and for the physiological information it makes available. Finally transoesophageal echocardiography has a role in the rapid response to dissection and endocarditis, and its arrival as an emergency tool raises more questions about physician skill-sets and training in these technologies.

UPCOMING SESSIONS in the *RCPI Masterclass Series. Treating the Acutely Ill Patient 2008/2009*

Part VII: Medical Neurology Session June 3, 2009 4.00 – 7.30 pm