



ROYAL COLLEGE OF  
PHYSICIANS OF IRELAND

# MASTERCLASS

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

4.00 pm Wednesday, October 28, 2009

*RCPI Masterclass Series 2009/2010*  
***Treating the Acutely Ill  
Patient*** – Update and advances  
in management of common medical  
conditions presenting on call

**Part I: Respiratory  
Medicine 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 Respiratory Medicine session of the RCPI Masterclass Series on Treating the Acutely Ill Patient.

The RCPI Masterclass Series – which will run over seven sessions from October 2009 through to June 2010 – 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 23 regional hospitals and will also be available as a recorded webcast via the RCPI's Online Education and Resource Centre.

We would like to thank the chairs of this session, Prof Richard Costello and Dr Terry O'Connor, 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](mailto: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
<b>15.30 – 16.00</b>	<b>Registration</b>		
16.00 – 16.25	Arterial blood gas analysis and pulmonary function tests in the acute setting	<b>Dr Marcus Kennedy</b> Sligo General Hospital	<b>Prof Richard Costello</b> Beaumont Hospital, Dublin
16.25 – 16.30	<b>Question and Answer Session</b>		
16.30 – 16.55	Acute dyspnea in the emergency department	<b>Prof Richard Costello</b> Beaumont Hospital, Dublin	
<b>16.55 – 17.00</b>	<b>Question and Answer Session</b>		
17.00 – 17.25	Acute presentations of Tuberculosis	<b>Dr Terry O'Connor</b> Mercy University Hospital, Cork	
<b>17.25 – 17.30</b>	<b>Question and Answer Session</b>		
<b>17.30 – 17.45</b>	<b>Refreshments</b>		
17.45 – 18.10	Lung cancer: acute presentations	<b>Dr Ross Morgan</b> Beaumont Hospital, Dublin	<b>Dr Terry O'Connor</b> Mercy University Hospital, Cork
18.10 – 18.15	<b>Question and Answer Session</b>		
18.15 – 18.40	Consultations in the intensive care unit	<b>Dr Ed McKone</b> St Vincent's University Hospital, Dublin	
<b>18.40 – 18.45</b>	<b>Question and Answer Session</b>		
<b>18.45 – 19.15</b>	<b>Panel Discussion</b>		

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

**Prof Richard Costello**  
*Beaumont Hospital, Dublin*



*Prof Costello will chair Session 1 and the Panel Discussion*

Richard Costello completed his postgraduate training at Johns Hopkins University Hospital, USA, and the University of Liverpool, UK. He is Consultant Physician in Respiratory Medicine at Beaumont Hospital, Dublin, and Associate Professor of Medicine at the Royal College of Surgeons in Ireland.

Prof Costello serves on numerous committees, and is a member of the

Allergy and Immunology Assembly of the American Thoracic Society and the Health Research Board's Physiological Systems and Pharmacology Panel. He was involved in the establishment of the Irish Sleep Association. He has authored over 40 publications. His current research interests are lung immunology, neuro-immune interactions in allergic rhinitis and laser capture microdissection.

**Dr Terry O'Connor**  
*Mercy University Hospital, Cork*



*Dr O'Connor will chair Session 2*

Terry O'Connor graduated from University College Cork Medical School in 1994 and completed his specialist medical training in Respiratory Medicine in Cork and Dublin. He went on to complete a research fellowship in asthma in McMaster University, Ontario and in tuberculosis at the Bellevue Hospital, New

York before returning to Ireland to take up a post as Consultant Respiratory Physician in 2004.

Dr O'Connor's clinical interests include asthma, cardiopulmonary exercise testing and tuberculosis.

# Session 1

16.00 – 16.25

## Arterial blood gas analysis and pulmonary function tests in the acute setting

Dr Marcus Kennedy  
*Sligo General Hospital*



### Biographical Sketch

Marcus Kennedy graduated from the National University of Ireland, Galway in 1997. After completing his General Professional Medical Training in Galway and a year as Respiratory Registrar in Cork University Hospital, he moved to the United States of America in 2001. Dr Kennedy completed Internal Medical Residency at Duke University Medical Centre, North Carolina, Pulmonary and Critical Care Fellowship at the University of North Carolina, Chapel Hill, and Interventional Pulmonology Fellowship at the University of Texas-MD Anderson Cancer Centre in Houston with acquisition of Internal Medicine, Pulmonary Medicine and Critical Care Board Certification. He worked for one year as Assistant Professor in Pulmonary and Critical Care Medicine in the University of Arkansas for Medical Sciences, Little Rock before taking up a Consultant Respiratory and Internal Medicine Physician post at Sligo General Hospital in July 2008.

### Overview of Presentation

A description of the use of Arterial Blood Gas Analysis and Pulmonary Function Testing through multiple case samples.

16.30 – 16.55

## Acute dyspnea in the emergency department

Prof Richard Costello  
*Beaumont Hospital, Dublin*



### Biographical Sketch

Richard Costello completed his postgraduate training at Johns Hopkins University Hospital, USA, and the University of Liverpool, UK. He is Consultant Physician in Respiratory Medicine at Beaumont Hospital, Dublin, and Associate Professor of Medicine at the Royal College of Surgeons in Ireland.

Prof Costello serves on numerous committees, and is a member of the Allergy and Immunology Assembly of the American Thoracic Society and the Health Research Board's Physiological Systems and Pharmacology Panel. He was involved in the establishment of the Irish Sleep Association. He has authored over 40 publications. His current research interests are lung immunology, neuro-immune interactions in allergic rhinitis and laser capture microdissection.

### Overview of Presentation

Dyspnea a common clinical symptom is often hard to evaluate and treat. The focus of this presentation is a guide to the clinical evaluation, including features in simple

tests and history, that can help distinguish between cardiac, respiratory and systemic diseases all of which can lead to dyspnea.

17.00 – 17.25

### Acute presentations of Tuberculosis

Dr Terry O'Connor  
*Mercy University Hospital, Cork*



#### Biographical Sketch

Terry O'Connor graduated from University College Cork Medical School in 1994 and completed his specialist medical training in Respiratory Medicine in Cork and Dublin. He went on to complete a research fellowship in asthma in McMaster University, Ontario and tuberculosis at the Bellevue Hospital, New York before returning to Ireland to take up a post as Consultant Respiratory Physician in 2004.

Dr O'Connor's clinical interests include asthma, cardiopulmonary exercise testing and tuberculosis.

#### Overview of Presentation

Dr O'Connor will review acute presentations of tuberculosis and their management, including pulmonary and extrapulmonary cases.

17.45 – 18.10

### Lung cancer: acute presentations

Dr Ross Morgan  
*Beaumont Hospital, Dublin*



#### Biographical Sketch

Ross Morgan graduated from UCD in 1996 and undertook specialist registrar training in Respiratory Medicine in Ireland before moving to Boston University for fellowship in Pulmonary and Critical Care. He undertook further fellowship training in Interventional Pulmonology at the Beth Israel Deaconess Medical Centre. He has been a Consultant Respiratory Physician at Beaumont Hospital since 2007 and is a Fellow of the RCPI and of the American College of Chest Physicians. His clinical and research interests are in lung cancer, pleural disease, airway inflammation and bronchoscopy.

#### Overview of Presentation

Lung cancer is the leading cause of cancer mortality in Ireland. Over 75% of patients have either locally advanced or disseminated disease at presentation. In most patients with lung cancer the symptom onset is insidious. However, approximately 20% will present with acute symptoms related to mechanical obstruction of the

airway, paraneoplastic phenomena or with metastatic disease to the pleura, brain or bone. The presentation will focus particularly on the assessment and management of patients with lung cancer presenting to the emergency department with central airway involvement.

# Session 2

18.15 – 18.40

## Consultations in the intensive care unit

Dr Ed McKone  
*St Vincent's University Hospital, Dublin*



### Biographical Sketch

Ed McKone is Consultant Respiratory Physician in St Vincent's University Hospital, Dublin. A graduate of Trinity College, Dublin, he completed his general professional training in St James's Hospital followed by four years of respiratory training (including MD thesis) in St Vincent's University Hospital. In 1999, he commenced a fellowship in Pulmonary and Critical Care Medicine at the University of Washington, Seattle. He spent seven years in Seattle including four years as an attending physician on the pulmonary and ICU services at the University of Washington Medical Centre. In 2006, he was appointed to St Vincent's University Hospital where he is a respiratory physician with clinical and research interests in the areas of cystic fibrosis, bronchiectasis and epidemiology/outcomes research.

### Overview of Presentation

Respiratory consultations in ICU are not uncommon and represent a unique challenge for respiratory physicians involved in the care of critically ill patients. This talk focuses on common situations seen in the ICU that are associated with an acute clinical deterioration requiring urgent respiratory opinion. Two common scenarios are i) patients with ARDS in whom the cause is unclear and ii) patients

who suddenly decompensate as a result of secretion retention. This talk looks at some of the pulmonary conditions that can mimic ARDS and, when diagnosed, can significantly impact both treatment and prognosis. In addition, we will discuss some of the approaches to dealing with secretion retention in patients with an acute deterioration due to lobar atelectasis.

**UPCOMING SESSIONS in the 2009/2010 RCPI Masterclass Programme**

Part II:	Geriatric Medicine Session	2 December 2009	4.00 – 7.30 pm
Part III:	Palliative Care Session	3 February 2010	4.00 – 7.30 pm
Part IV:	Cardiology Session	3 March 2010	4.00 – 7.30 pm
Part V:	Dermatology Session	7 April 2010	4.00 – 7.30 pm
Part VI:	Endocrinology Session	5 May 2010	4.00 – 7.30 pm
Part VII:	Nephrology Session	2 June 2010	4.00 – 7.30 pm