



Irish Thoracic Society Annual Scientific Meeting Programme
21st, 22nd and 23rd November 2019, Galmont Hotel, Galway

Thursday 21st November

08.30 – 12.30

ITS Specialist Registrar Training – Veranda Suite

Kindly supported by Astra Zeneca through an unrestricted educational grant

17.30 – 20.30

ITS Case Study Forum - Inis Mór Suite

Kindly supported by Astra Zeneca through an unrestricted educational grant

Chairs

JJ. Gilmartin – Galway University Hospitals

R. Rutherford – Galway University Hospitals

17.30 – 19.00

ITS Case Study Poster Review - Inis Mór Suite

19.00 – 20.30

ITS Case Study Oral Presentations - Inis Mór Suite

1. The granuloma challenge

A Alameeri, A Dudina, and S Lane

Respiratory Department, Tallaght University Hospital, Dublin, Ireland.

2. To vape or not to vape

Barron S¹, Omar O¹, Plant BJ^{1, 2}, Murphy D^{1, 2}

1Department of Respiratory Medicine, Cork University

Hospital 2HRB Clinical Research Facility – University College

Cork

3. When the diagnosis is not opaque.

Dr. Michelle Brennan

University Hospital Galway

4. A bloody scene

Farooq S, Sreenivasan S, Pastrana J, Kára J, Wieboldt J, McManus TE

Divisions of Respiratory and Acute Medicine, Department of Medicine, South West Acute

Hospital, Western Health and Social Care Trust, Enniskillen, Co. Fermanagh, Northern Ireland

5. The outcome of shift work

Grennan S¹, Helly F¹, Meagher S¹, Kelly A¹, O' Mahony AM¹, McKone EF¹, Healy D², Gallagher CG¹,
 Nicholson TT¹

1Department of Respiratory Medicine, St Vincent's University Hospital, Dublin

2 Department of Cardiothoracic Surgery, St Vincent's University Hospital, Dublin

6. A "vasculopath" post surgery

Mulryan K, Daly A, Fitzmaurice G, Young V

Department of Cardiothoracic Surgery, St James's Hospital, James's St, Dublin 3

7. An airway "para"phenomemon

EMM O'Dwyer, A Mulgrew

Bon Secours Hospital, Tralee, Co. Kerry

20.30

Dinner and Prize-giving

- Irish Thoracic Society Annual Scientific Meeting 2019 -

Friday 22nd November

07.00 – 08.00 **Registration, tea and coffee**

08.00 – 11.00 **Poster Review (08.00 – 09.30) and Parallel Discussions (09.30 – 11.00)**

Chairs **1. Asthma – Inis Mór II**

M. Harrison, Galway University Hospitals
B. Canavan, Galway University Hospitals

Chairs **2. Airways – Basic Science and Alpha-1 Antitrypsin Deficiency – Gym Studio**

M. Butler, St Vincent's University Hospital, Dublin
A. O'Brien, University Hospital Limerick

Chairs **3. Lung Cancer – Inis Mór III**

O. O'Connell, Bons Secours Hospital Cork
M. Kennedy, Cork University Hospital

Chairs **4. Non-Invasive Ventilation – Burren Suite**

V. Keatings, Letterkenny University Hospital
M. Sheehy, Midland Regional Hospital Mullingar

Chairs **5. Sleep, Pulmonary Embolism & Miscellaneous – Veranda Suite**

L. Cormican, Connolly Hospital, Dublin
A. Mulgrew, Bon Secours Hospital, Tralee

11.00 – 11.30 **Tea and Coffee / Exhibition viewing – Inis Mór I**

11.30 – 12.45 **Oral Presentations I – Inis Mór II and III**

Chairs E. McKone, St Vincents University Hospital, Dublin
L. McGarvey, Queens University Belfast

11.30 – 6.1 **Lung Transplantation for Pulmonary Disease in Scleroderma**

C. Rutherford, S. Winward, S. Towell, I. Lawrie, J. Kleinerova, JJ. Egan, MA. Murray
Irish National Lung Transplant Centre, Mater Misericordiae University Hospital, Dublin

11.40 – 6.2 **CT imaging findings of patients referred to a Rapid Access Lung Cancer Clinic**

Hennessy M¹, Clarke S², Ryan D², Higgins C³, Morgan R^{2,1} Dept. of Medical Oncology, Beaumont Hospital, Dublin 9 ²Dept. of Respiratory Medicine, Beaumont Hospital, Dublin 9 ³Cancer Data Department, Beaumont Hospital, Dublin 9

11.50 – 6.3 **Enhanced airway smooth muscle relaxation via proteinase activated receptor 2**

K. Black¹, A. MacKenzie¹, L. Dunning¹, A. Crilly¹, J. Brzezczynska¹, L. McGarvey², K. Thornbury³, C.S. Goodyear⁴, J.C. Lockhart¹, G.J. Litherland¹

¹Border & REgions Airways Training Hub, Institute of Biomedical and Environmental Health Research, School of Health & Life Sciences, University of the West of Scotland, Paisley, Scotland. ²Queens University Belfast, Belfast, Northern Ireland.

³Dundalk Institute of Technology, Dundalk, Ireland.

⁴Institute of Infection, Immunity & Inflammation, University of Glasgow.

- 12.00 – 6.4** **Surveillance of work-related respiratory disease in the Republic of Ireland**
 Sludds K¹, Money A², Mullooly Y¹, Gough P¹, Van Tongeren M²
¹Health and Safety Authority (HSA), Dublin
²University of Manchester, Manchester, UK
- 12.10 – 6.5** **Clinical Characteristics and Novel Biomarkers of LAM in an Irish Population**
 E Lynn¹, J Morrow², A Kelly¹, A Fabre^{3,4}, J Dodd², M P. Keane^{1,4}, D Murphy², C McCarthy^{1,4}
¹Department of Respiratory Medicine, St. Vincent's University Hospital, Elm Park, Dublin 4, ²Department of Radiology, St. Vincent's University Hospital, Elm Park, Dublin 4, ³Department of Pathology, St. Vincent's University Hospital, Elm Park, Dublin 4, ⁴School of Medicine, University College Dublin, Dublin 4.
- 12.20 – 6.6** **Phenotypes in Patients with Cystic Fibrosis at Times of Clinical Stability: A Prospective Cohort Study.**
 Carter SC^{1,2}, Kirwan L^{2,3}, Hisert KB⁴, Cooke G^{2,5}, Singh P⁴, Gallagher CG¹, McKone EF^{1,2,1} National Referral Centre for Adult CF, St Vincent's University Hospital, Dublin, Ireland ²University College Dublin, Ireland
³Cystic Fibrosis Registry of Ireland
⁴University of Washington, Seattle, USA
⁵Technological University Dublin, Tallaght Campus, Dublin, Ireland
- 12.30 – 6.7** **The role of EBUS in mediastinal staging: A Correlation study with pathological staging in early-stage NSCLC.**
 S. Cullivan¹, Ahmed M¹, R. Weedle², J. Bruzzi³, S. Phelan⁴, M. Da Costa², A. Soo², D. Breen¹
¹Interventional Respiratory Unit, Department of Respiratory Medicine, Galway University Hospital, Galway, Ireland.
²Department of Cardiothoracic Surgery, Galway University Hospital – Galway, Ireland ³Department of Radiology, Galway University Hospital – Galway, Ireland
⁴Department of Histopathology, Galway University Hospital – Galway, Ireland
- 12.45 – 14.15** **Lunch – Marinas Restaurant**
- ITS AGM – Veranda Suite**
- 14.15 – 15.30** **Oral Presentations II – Inis Mór II and III**
 Chairs
 R. Morgan, Beaumont Hospital Dublin
 J. Rendall, Belfast City Hospital Belfast
- 14.15 – 7.1** **Desferrioxamine supports innate immune function in human macrophages infected with *Mycobacterium tuberculosis***
 Phelan J.J.¹, McQuaid, K.¹, Kenny, C.², Gogan, K.¹, O'Leary, S.M.¹, Basdeo, S.A.¹, Cox, D.J.¹, O'Sullivan, M.¹, Cahill, C.¹, O'Neill, L.A.³, O'Sullivan, M.J.² and Joseph Keane¹.
¹TB Immunology Group, Department of Clinical Medicine, Trinity Translational Medicine Institute, Trinity College Dublin, Ireland.
²National Children's Research Centre, Our Lady's Children's Hospital, Crumlin, Dublin, Ireland.
³School of Biochemistry and Immunology, Trinity Biomedical Science Institute, Trinity College, Dublin, Ireland.
- 14.25 – 7.2** **Clarifying the risk of lung disease in SZ alpha-1 antitrypsin deficiency (AATD).**
 Franciosi AN^{1,3}, Hobbs BD², Molloy K¹, Hersh C², Clarke L⁵, Silverman EK², Carroll TP^{1,4}, McElvaney NG^{1,3}.
¹Irish Centre for Genetic Lung Disease, Royal College of Surgeons in Ireland, Beaumont Hospital, Dublin.
²Channing Division of Network Medicine and Division of Pulmonary and Critical Care Medicine, Brigham and Women's Hospital, Boston, MA, 02115, USA.
³Department of Medicine, Beaumont Hospital, Dublin, Ireland.
⁴Alpha-1 Foundation, Royal College of Surgeons in Ireland, Dublin, Ireland.
⁵Department of Pulmonary Physiology, Beaumont Hospital, Dublin, Ireland.

- 14.35 – 7.3** **Lower airway microbiota signatures affect lung cancer survival**
 Imran Sulaiman¹, Jun-Chieh J. Tsay¹, Benjamin G. Wu¹, Kate Gershner¹, Rosemary Schluger¹, Peter Mey³, Yonghua Li¹, Ting-An Yie¹, Evan Olsen¹, Mariam El-Ashmawy¹, Adriana Heguy³, Harvey Pass⁴, Daniel H. Serman¹, Leopoldo N. Segal^{1,2}
¹Division of Pulmonary and Critical Care Medicine, New York University School of Medicine, New York NY USA
²Department of Medicine, New York University School of Medicine, NY
³NYU Genomic Technology Center, New York NY
⁴Department of Cardiothoracic Surgery, New York University School of Medicine, NY
- 14.45 – 7.4** **A prospective audit of the National Hereditary Haemorrhagic Telangiectasia Centre from 2003 – 2019.**
 Kavanagh GA¹, Murphy M², Brady A², O'Connor TM¹.
¹Department of Respiratory Medicine,
²Department of Radiology,
 Mercy University Hospital, Grenville Place, Cork.
- 14.55 – 7.5** **Diurnal Variation of Lung Function as a Predictor of Asthma Exacerbations**
 T.A. McCartan, G. Greene, C. Mulvey, E. MacHale, S. Plunkett, L. Lombard, J. Walsh, V. Brennan, R.W. Costello
 Royal College of Surgeons in Ireland
- 15.05 – 7.6** **T2-low asthma is over represented in current literature and is likely due to suppression of biomarkers by inhaled therapy**
 V Brennan, G Greene, EMacHale, R Costello
 Beaumont Hospital, RCSI
- 15.15 – 7.7** **Antibiotics and the microbiome in asthmatic patients.**
 O'Carroll OM, McGowan A, Shah W, Gough C, Burke C
 Department of Respiratory Medicine, James Connolly Memorial Hospital, Blanchardstown, Dublin 15
- 15.30 – 16.00** ***Tea and Coffee / Exhibition viewing – Inis Mór I***
- 16.00 – 17.30** **Irish Thoracic Society Guest Lectures – Inis Mór II and III**
Kindly supported by Boehringer Ingelheim
- Chairs** A. O'Regan, Galway University Hospitals
 C. McCarthy, St Vincent's University Hospital
- 16.30 – 17.15** **Professor Darrell Kotton, Boston University School of Medicine**
 Stem Cell Biology and Lung Development
- 17.15 – 18.00** **Dr Bruce Trapnell, University of Cincinnati College of Medicine**
 Rare Interstitial Lung Diseases – Novel Diagnostic and Treatment Pathways
- 19.00** ***Drinks Reception – Veranda Suite***
Kindly supported by Direct Medical
- To include Oral presentation awards***
Kindly supported by Boehringer Ingelheim
- 20.00** ***Gala Dinner - Inis Mór II and III***
To include Presentation of the ITS Award for Outstanding Contribution to Respiratory Medicine 2019

Parallel Forums/Business Meetings

Friday 22nd November

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|----------------------|---|
| 11.00 – 12.30 | <i>Forum of ANAIL – Association of Irish Nurses in Respiratory Care – The Veranda Suite</i> |
| 12.30 – 13.45 | <i>Forum of IICMS – Faculty of Respiratory – Burren Suite</i> |
| 11.00 – 13.00 | <i>Forum of Chartered Physiotherapists in Respiratory Care – Gym Studio</i> |
| | Forums of ANAIL, IICMS and CPRC are kindly supported by Air Liquide |
| 14.00 – 16.00 | COPD Outreach Meeting – Lough Atalia Suite |
| 09.30 – 13.15 | Irish Thoracic Society Paediatric Forum – Lough Atalia Suite |
| 12.45 – 14.15 | Irish Thoracic Society AGM – The Veranda Suite |
| 14.30 – 16.30 | Advanced Nurse Practitioners Meeting - Darcy Suite |
| 14.30 – 15.30 | National Clinical Programme for CF – Clinical Advisory Group Meeting – Athy Suite |

Irish Thoracic Society Paediatric Forum – Friday 22nd November

09.30 – 11.15

Research Session I

Moderators

P. McNally, Our Lady's Children's Hospital Crumlin

F. Healy, Temple St Children's Hospital

8.1 kalydeko and lung inflammation in children (KLIC); a case-control comparison of G551D and F508DEL CFTR mutations.

Butler D¹, Lennon J², Cox D^{1,2}, Greally P³, Linnane B^{2,4,5}, McNally P^{1,2,6}

¹Cystic Fibrosis Centre, Our Lady's Children's Hospital Crumlin, Dublin 12

²National Children's Research Centre, Our Lady's Children's Hospital Crumlin, Dublin 12

³Cystic Fibrosis Centre, Tallaght Hospital, Dublin 24

⁴Graduate Entry Medical School and Centre for Interventions in Infection, Inflammation & Immunity (4i), University of Limerick, Limerick, Ireland

⁶Department of Paediatrics, Royal College of Surgeons in Ireland, Our Lady's Children's Hospital Crumlin, Dublin 12

8.2 Study to Evaluate the Additional Gains of Upper and Lower Lobe Sampling in Children with CF (SEAGULLS): Safety and microbiological yield.

Butler D¹, Montague T², O'Sullivan N², Cox D^{1,2}, McNally P^{1,2}. ¹

National Children's Research Centre, Crumlin, Dublin, Ireland. ²

Children's Health Ireland at Crumlin, Crumlin, Dublin, Ireland

8.3 CHILD: a very rare condition: 2 cases in 3 months!

J Cloonan, B O'Flanagan, B Elnazir¹

¹Children's Health Ireland, Tallaght

8.4 The Cystic Fibrosis Urinary Biomarker Study (CUBS): The Natural Longitudinal Variability of Urine Biomarkers in Children with CF and Healthy Controls

CN Murray⁷, K AL Shidhani^{1,2}, D Cox^{1,2}, B Linnane^{4,5}, L Watson⁶, G Parekh⁶, R Reilly^{1,2}, P McNally^{1,2,5}

¹National Children's Research Centre, Our Lady's Children's Hospital, Dublin, Ireland, ²CF centre, Our Lady's Children's Hospital, Dublin, Ireland,

³Paediatric CF centre, University Hospital Limerick, Limerick, Ireland

4Department of Paediatrics, University Hospital Limerick, Limerick, Ireland, 5 Department of Paediatrics, Royal College of Surgeons In Ireland,
6Mologic Laboratories, Bedford, UK.
7School of Medicine, Trinity College Dublin.

8.5 The use of augmented cough techniques including mechanical insufflation-exsufflation in children with neuromuscular disorders attending a multidisciplinary paediatric respiratory clinic.

F. Alahbabi¹, M. Hynes², A. Mernagh¹, F. Healy¹.

¹Respiratory and Cystic Fibrosis Department, Children's Health Ireland at Temple Street, Dublin 1, Ireland.

²Physiotherapy Department, Children's Health Ireland at Temple Street, Dublin 1, Ireland.

8.6 A review of CFTR modulator therapy and elevated vitamin E levels in CF patients at CHI at Temple Street.

A Farrell, M O Reilly, F Healy.

Respiratory and Cystic Fibrosis Department, Children's Health Ireland at Temple Street, Dublin 1, Ireland.

10.30 – 11.15

State of the Art CF Reviews:

Gastrointestinal problems in children with CF

Prof Paul McNally, Children's Health Ireland at Crumlin

11.15 – 11.30

Tea and coffee break

11.45 – 13.00

Research Session II

Moderators: D. Cox, CHI Crumlin

M. Shields, Queens University Belfast

87 Paediatric Asthma Intensive Care Unit Admissions: A Ten-year retrospective study in a regional hospital in Ireland.

M. Regan¹, J. Hayden¹, P. Stewart¹, M. Herzig¹

¹Department of Paediatrics, University Hospital Galway (UHG)

88 Exocrine Pancreatic Function in Children on Ivacaftor

Ingrid Hutchinson, Paul McNally

Cystic Fibrosis Centre, Children's Health Ireland at Crumlin, Dublin D12N512

89 Retrospective Study of Growth in the Breastfed Infant with CF in CHI at Temple Street.

M O Reilly, A Farrell, S Deignan, F Healy, M Williamson.

Respiratory and Cystic Fibrosis Department, Children's Health Ireland at Temple Street, Dublin 1, Ireland.

810 Sleep Disordered Breathing and Spina Bifida – A Closer Look

A. Walsh (1), A. Mernagh (1), C. O Prey (2), J. Leonard (2), F. Healy (1).

¹Respiratory Department, Temple Street Children's University Hospital, Dublin.

²Multidisciplinary Spina Bifida Clinic, Temple Street Children's University Hospital, Dublin.

811 Sleep Disordered Breathing and Spina Bifida – Experience in a Tertiary Referral Paediatric Centre

A. Walsh (1), A. Mernagh (1), J. Caird (3), D. Crimmins (3), J. Leonard (2), F. Ringholz (1), M. Williamson (1), F. Healy (1).

¹Respiratory Department, Temple Street Children's University Hospital, Dublin.

²Multidisciplinary Spina Bifida Clinic, Temple Street Children's University Hospital, Dublin.

³Neurosurgical Department, Temple Street Children's University Hospital, Dublin.

812 CHILDREN'S FOLLOW UP ORKAMBI REAL WORLD MULTIPLE BREATH WASHOUT

STUDY (CFORMS)

Emma J Costigan¹, Rebecca McLoughlin¹, Paul McNally^{1,2,8}, Michael Williamson³, Barry Linnane^{1,4}, Basil Elnazir⁵, Peter Grealley⁵, Jane C Davies⁶, Harm Tiddens⁷, Jennifer Lennon¹, Áine M Fleming¹, Paulina Witkowska¹, Magdalena Mulligan⁴, Christopher Short⁶, Claire Saunders⁶, Desmond W Cox^{1,2}

¹National Children's Research Centre, Crumlin, Dublin 12.

²Respiratory Department, CHI at Crumlin, Crumlin, Dublin 12.

³CHI at Temple Street, Temple St, Rotunda, Dublin 1

⁴University Hospital Limerick, St Nessian's Rd, Dooradoyle, Co. Limerick

⁵CHI at Tallaght, Tallaght University Hospital, Cookstown, Dublin 2.

⁶Royal Brompton Hospital Sydney St, Chelsea, London, UK

⁷Erasmus University Medical Center, Rotterdam, Netherlands

⁸Royal College of Surgeons Ireland, 23 St Stephen's Green, Dublin

12.30 – 13.15

State of the Art Respiratory Reviews:

Assessment and Management of difficult asthma in children

Dr Dara O'Donoghue and Prof Mike Shields, Queens University Belfast

13.00

Paediatric prizegiving

13.15

Close of Paediatric Forum

Saturday 23rd November

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| 08.00 – 08.30 | Registration, tea and coffee – Inis Mór Suite |
| 08.30 – 11.00 | Poster Review (08.30 – 09.45) and Parallel Discussions (09.45 – 11.00) |
| Chairs | 9. Airways – Lough Atalia Suite R. Fahy, St James's Hospital, Dublin C. Rooney, Mayo University Hospital |
| Chairs | 10. COPD Clinical – Inis Mór II B. Rutherford, Galway University Hospitals P. Ryan, Limerick University Hospital |
| Chairs | 11. Cystic Fibrosis & Bronchiectasis – Veranda Suite M. Rogan, Waterford University Hospital M. O'Mahony, Galway University Hospitals |
| Chairs | 12. Interstitial Lung Disease – Burren Suite K. Hurley, Beaumont Hospital Dublin M. Henry, Cork University Hospital |
| Chairs | 13. Surgical Interventional & Pleural – Inis Mór III K. Redmond, Mater Misericordiae University Hospital Dublin F. Gargoum, Galway University Hospitals |
| Chairs | 14. Tuberculosis & Infections – Gym Studio R. Convery, Craigavon Area Hospital T. O'Connor, Mercy University Hospital Cork |
| 11.00 – 11.30 | Tea and Coffee / Exhibition viewing – Inis Mór Suite |
| 11.30 – 13.00 | Irish Thoracic Society Guest Lectures – Inis Mór II and III <i>Kindly supported by GSK</i> |
| Chairs | K. Finan, Sligo University Hospital S. Donnelly, Trinity College Dublin, Tallaght Hospital |
| 11.30 – 12.15 | Dr Camille Nelson Kotton, Massachusetts General Hospital Diagnosis and Management of Viral Pneumonia |
| 12.15 – 13.00 | Professor John Laffey, NUI Galway Acute Lung Injury and ARDS |
| 13.00 – 13.15 | Prize giving and close Awards for Best Poster Presentations <i>Kindly supported by Boehringer Ingelheim</i> ANAIL Award for Best Presentation by a Respiratory Nurse Presentation of the ITS GSK BTS Travel Bursaries - Kindly supported by GSK Presentation of the inaugural Jean Norton Award for Best Research Paper in Chronic Restrictive Pulmonary Disease |
| 13.15 | Lunch |

Saturday 23rd November

09.15 – 13.00

Primary Care Respiratory Society of Ireland Meeting – Harbour Hotel



Primary Care Respiratory Society of Ireland



Primary Care Respiratory
Society of Ireland

Management of Chronic Respiratory

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|-----------------------------|--|
| Disease 9.15am | Registration |
| 9.30am | Introduction by Chairman, Dr Derek Forde |
| 9.35am | Dr Dermot Nolan, Clinical Lead Asthma New GINA asthma guidelines. |
| 10.15am | Dr Nick Flynn Sleep Apnoea in General Practice |
| 11.00am | <i>Tea / Coffee Break</i> |
| 11.45am | Dr Reggie Spellman, Update on COPD management in General Practice |
| 11.45 – 12.30pm | Dr Derek Forde/Dr Dermot Nolan/Dr Brian Osborne Getting prepared for chronic disease management. Introduction and cases |
| 12.45pm | <i>Lunch</i> |
| CPD Points available | |