



Irish Thoracic Society Paediatric Forum
Wednesday 2nd December
Live Webinar - 14.00 – 17.00

Chairs: Dr Michael Williamson, Temple St Children's University Hospital Dublin
Dr Basil Elnazir, Tallaght University Hospital, Dublin

1. Research Session: 14.00 – 16.00

**1. Gender difference results in increase in adolescent smoking in 2019 in Ireland-
European trend analysis of current smoking prevalence 1995-2019**

J Hanafin, S Sunday, S Keogan, Luke Clancy

TobaccoFree Research Institute Ireland (TFRI), TU Dublin, Dublin 8

**2. Worrying changes in adolescent e-cigarette use 2014-2019: A secondary analysis of five
Irish health datasets**

J Hanafin, S Sunday, S Keogan, L Clancy

TobaccoFree Research Institute Ireland (TFRI), TU Dublin, Dublin 8

**3. Impact of Carers' Smoking Status on Childhood Obesity in the Growing up in Ireland
Cohort Study**

S Sunday, K Zubair

School of Public Health, University College Cork

**4. An *in vitro* investigation of aerosolised Budesonide delivery in simulated adult and
paediatric spontaneous breathing models using a vibrating mesh nebuliser**

P. J. Naughton, B. Murphy, A. O'Sullivan, M. Mac Giolla Eain, M. Joyce, R. MacLoughlin.

Aerogen Ltd, IDA Business Park, Dangan, Galway, Ireland.

**5. Aerosol Delivery Characterisation during Simulated Mechanical Ventilation of a
Neonate**

L. Gallagher, M. Joyce, E. Fernández Fernández, & R. MacLoughlin

Aerogen, IDA Business Park, Dangan, Galway, Ireland.

6. Compliance and efficacy of non-invasive ventilation in children with Down syndrome

L. MacDonagh¹, L. Farrell², R. O'Reilly², P. McNally², S. Javadpour², DW. Cox^{1,2}

1. School of Medicine, University College Dublin, Dublin 4.

2. Respiratory Department, Children's Health Ireland, Crumlin, Dublin 12.



7. Interlobar IL-8 variation in pre-school children with CF. Interim findings of the Study to Evaluate the Additional Gains of Upper and Lower Lobe Sampling in Children with CF (SEAGULLS).

Butler D^{1,3}, Montague T², O'Sullivan N², Cox D^{1,2}, McNally P^{1,2,3}.

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

² Children's Health Ireland at Crumlin, Crumlin, Dublin, Ireland.

³ RCSI Department of Paediatrics, RCSI, Dublin, Ireland.

8. Interleukin-22 and Neutrophil Proteins as Predictors of Future Disease Severity in Children with Cystic Fibrosis

E. Reece^{1§}, J. Renwick^{1§}, J Walsh², R Walsh², T Persaud², C O'Leary², S. C. Donnelly³
† and P. Grealley² †

¹.Clinical Microbiology, Trinity College Dublin, Ireland. ² Children's Health Ireland and Tallaght University Hospital, Dublin, Ireland. ³ Department of Medicine, Tallaght University Hospital and Trinity College Dublin, Ireland.

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† Joint senior authors

9. Dexamethasone for acute asthma exacerbations and viral induced wheeze: quality improvement in a Paediatric Emergency Department

Ruddell, J.¹, Trouton, M.¹, Davison, G.^{1,2}, McDonald, R.², O'Neill, V.¹, McCann, J.², Kennedy, B.², Mullen, S.²

¹Centre for Medical Education, Queen's University Belfast, Mulhouse Building, Mulhouse Road, Belfast, BT12 6DP, Northern Ireland

²Children's Emergency Department, Royal Belfast Hospital for Sick Children, 274 Grosvenor Road, Belfast, BT12 6BA, Northern Ireland

2. ITS Paediatric Forum Guest Lecture: 16.00 – 17.00

Difficulties of Ventilating Infants and the Role of Tracheostomy

Dr Francois Abel MD FRCPCH, Paediatric Respiratory Consultant, Sleep and Long Term Ventilation, Great Ormond Street Hospital for Children, London

CPD: The meeting attracts 3 CPD Credits in the External CPD Category