



**FSEM ASC 2021 – Exercise is Medicine – Friday 17th September, 2021
8.30 – 18.00**

Obesity and Diabetes - 10.10 – 12.30

Dr Grace O'Malley, Principal Investigator of the Obesity Research and Care Group at RCSI University of Medicine and Health Sciences



Dr Grace O'Malley is a Clinical Specialist Physiotherapist in Paediatric Endocrinology and is Principal Investigator of the Obesity Research and Care Group at RCSI University of Medicine and Health Sciences. Her clinical experience spans 17 years working in clinical paediatrics in Ireland, South Africa, and the USA in the treatment of paediatric respiratory, musculoskeletal, neurodevelopmental, rheumatological and endocrinological conditions and rare diseases. Grace completed a research MSc (TCD) in paediatric musculoskeletal and cardiorespiratory health and a PhD in Medicine (Epidemiology and Public Health from UCC) exploring the design and evaluation of complex interventions for managing paediatric obesity. Grace was awarded a Fulbright Award to conduct clinical research exploring the pathophysiology of Type 2 Diabetes in pediatric obesity (Dept of Pediatric Endocrinology at Yale University, USA) in addition to a HRB PhD Fellowship which included training in paediatric telemedicine and digital health (UC Davis Center for Health and Technology and the University of Southern California *Mobile and Connected Health Program*).

The current focus of Dr. O'Malley's clinical and research work is in paediatric bariatric care, developing and examining evidence-based interventions for severe obesity and related complications in children and adolescents. Grace is a committee member of the Association for the Study of Obesity on the Island of Ireland (<https://asoi.info>) and Secretary of the European Association for the Study of Obesity (<https://easo.org/>). Grace is committed to ensuring all children have access to quality healthcare in line with UNCRC and that regardless of ability, childhood physical function, activity and fitness are optimised through fun exercise therapies and play-based interventions.

Dr Fionnuala McAuliffe, Head of Women's and Child's Health, University College Dublin



Fionnuala McAuliffe is a Full Professor of Obstetrics and Gynaecology at National Maternity Hospital Dublin, Head of Women's and Child's Health at University College Dublin and Director of the UCD Perinatal Research Centre, a multidisciplinary research centre aiming to improve outcome for mother and baby through clinically relevant pregnancy research

She has received significant grant funding both nationally and internationally (circa €25 million as coPI/PI) and has circa 350 peer reviewed publications. Recently she has developed a pregnancy nutrition app 'Hollestic' and has developed guidelines for pregnancy in Ireland, UK and internationally.

She is an executive council member of the International Federation of Gynaecology and Obstetrics (FIGO) and is a member of FIGO Pregnancy Non-Communicable Diseases Committee and co-lead of the FIGO pregnancy obesity and nutrition initiative. She is now the Chair of FIGO committee on Impact of Pregnancy on long term Health.

Dr Francis Finucane, consultant endocrinologist at Galway University Hospital



Francis Finucane is a consultant endocrinologist at Galway University Hospital and an honorary personal professor at NUIG. He graduated from RCSI, completed clinical training in Dublin and was awarded an MD from the University of Dublin (TCD) for research on the influence of exercise in young people with type 2 diabetes. Then he completed a four-year MRC-funded post-doctoral fellowship at the Institute of Metabolic Science in Cambridge, where he studied the effects of exercise on metabolic risk in older people. In Galway, he leads a regional bariatric medical service for

patients with severe and complicated obesity. He is the course director for Ireland's first and only MSc programme in obesity at NUIG.

Prof Henner Hanssen, Head of Preventive Sports Medicine and Systems Physiology, Department of Sport, Exercise and Health, University of Basel



Prof. Hanssen is Head of Preventive Sports Medicine and Systems Physiology at the Department of Sport, Exercise and Health at the University of Basel, Switzerland. He is nucleus member of the Primary Care and Risk Factor Management Section of the European Association of Preventive Cardiology (EAPC). Within the European Society of Microcirculation (ESM), he is chair-elect of the Retinal Microvascular Research working group. His research interests are focused on the effects of exercise therapy on vascular ageing across the lifespan in a systems

physiology approach.

Prof Edward Gregg, Professor and Chair in Diabetes and Cardiovascular Disease Epidemiology, School of Public Health, Imperial College



Edward W. Gregg serves as a Professor and Chair in Diabetes and Cardiovascular Disease Epidemiology in the School of Public Health at Imperial College London where he leads a research programme devoted to understanding the causes, dynamics, and prevention of cardiometabolic disease and related morbidity. This includes leadership and contribution to multi-center studies of the impact of lifestyle interventions and health services and health policy interventions on diabetes and its morbidity. This work has involved evaluation of US and UK-based public programmes on diabetes and its morbidity and collaboration with investigators in China on the Da Qing Diabetes Prevention Follow-up Study, and the US-based Look AHEAD study. He has also served as principal investigator of major national studies, including the TRIAD Study (Translating Research into Action for Diabetes), conceptualized and developed national research programs including the NEXTD (Natural Experiments in Translation for Diabetes) Networks. He also spent 12 years leading a multi-disciplinary science unit and the US National Diabetes Surveillance System at the Centers for Disease Control Prevention to guide decisions related to national diabetes prevention policies. guide public health decision making. He has published more than 350 peer reviewed articles and chapters and was awarded the American Diabetes Association (ADA) 2016 Kelly West Award for Excellence in Diabetes Epidemiology and the International Diabetes Federation (IDF) 2015 award for Epidemiology award for Epidemiology

CPD approval: 10 External Credits awarded by FSEM

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Recording of the webinar will be available to view for 6 months after the event, via Medcafe.

For further details, please contact: Ms Annemarie Creighton,
Faculty of Sports and Exercise Medicine, RCSI House, 121 St Stephen's Green, Dublin 2.
Tel: 01- 402 2382 – e-mail: sportsfac@rcsi.ie



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