

Are All Asynchronies Evil During Invasive Mechanical Ventilation?



Industry Education Session, Draeger Medical Canada Inc.

Presenters: Thomas Piraino, RRT, FCSRT;
Dr Lluís Blanch Torra

September 15, 12:30 PM Eastern



Session Objectives

1. Recognition of the different types of asynchronies during MV
2. Are all types of asynchronies associated with poor outcome in MV ICU patients?
3. Should I treat all asynchronies at the bedside? and How?
4. How to monitor asynchronies during MV

Speaker Biographies

Thomas Piraino is a Registered Respiratory Therapist working as a staff therapist at Kingston General Hospital, he is a member of Dr. Laurent Brochard's research lab at the Centre of Excellence in Mechanical Ventilation, and a Lecturer (Adjunct) for the Department of Anesthesia, Division of Critical Care at McMaster University.

He has spoken at more than 50 conferences, and has more than 20 peer reviewed publications. He has also won a number of awards and recognitions for his contributions to respiratory care.

Additionally, he is the owner and lead developer for Keepr Web Apps. He is also working on his MSc in Epidemiology.

Dr. Lluís Blanch is a Senior Intensivist and Consultant at the Critical Care Center of Hospital Parc Taulí in Spain. He is also Research and Innovation director at the Corporació Sanitària Parc Taulí and director of the Institute Fundació Parc Taulí - Universitat Autònoma de Barcelona, Spain. He is associated professor of Medicine at the Universitat de Barcelona and director of the Parc Taulí Research and Innovation Institute I3PT.

From others companies and institutions related to health, he has been required and appointed as member of the board of Pfizer Foundation in Spain, member of the Scientific Committee of Instituto Ramón y Cajal de Investigación Sanitaria (IRYCIS), Gadea Foundation and La Marató Foundation (Televisió de Catalunya - TV3), among others.

He attained his Ph.D. degree with honors in 1992 and was awarded with a Ph.D. Special Distinction Degree Prize in 1994. In 1988 he spent a one-year fellowship at the Meakins Christie Laboratories at McGill University of Montreal. In 1998 he spent a sabbatical year as Guest Scholar of the Pulmonary Critical Care Department at Regions Hospital University of Minnesota.

He has been member of the Executive Committee of the European Society of Intensive Care Medicine, President of the Scientific Committee and President of the Spanish Society of Critical Care, President of the Catalan Critical Care Society and member of the Council of the World Federation of Societies of Intensive and Critical Care Medicine until its 2019

congress. He is member of the board of several journals and also reviewer of the top first quartile journals in the respiratory and critical care fields.

Dr. Blanch's research interests involve translational research on acute lung and brain injury and innovation projects on on-line monitoring of critically ill patients. He has received numerous grants from public and non-profit organizations and has more than 235 Pub Med indexed publications with an H index of 41 and a high number of citations.

Dr. Blanch is co-founder of Better Care S.L., a start-up company of Corporació Sanitaria Parc Taulí oriented to integrate and synchronize digital signals from different critical care devices (monitor and ventilators) in order to develop context information and intelligent alarms.