

# 8th European Conference on Weaning & Rehabilitation in Critically Ill Patients

*The Whitla Hall, Queen's University Belfast*

22-23 April 2023



WELLCOME-WOLFSON  
INSTITUTE FOR  
EXPERIMENTAL MEDICINE



Research and Development

## Foreword

On behalf of the organising committee, it is my great pleasure to welcome you to Belfast, and to Queen's University, for our first in-person Conference since the COVID-19 pandemic. This meeting focuses on the interdisciplinary and multi-professional approach to weaning and rehabilitation of critically ill patients during and after admission to the Intensive Care Unit. We have a fantastic line-up of internationally renowned speakers covering a broad range of exciting topics, and a delegate audience of more than 300 colleagues from various professional backgrounds.

The theme for this 8th edition of the Conference is 'Communicating, Connecting, Collaborating'. After a very challenging few years, we are looking forward to the opportunity of meeting again at this conference to share our practice and experience in delivering care and improving outcomes for our critically ill patients. We have all had to adapt to new ways of working, as well as consider opportunities for growth and development. This is reflected in the theme of this year's conference – the importance of communication, connection, and collaboration, with patients, within teams, and across services, and how optimising these can foster innovative and enhanced approaches to our practice, not just locally, but nationally and internationally as well.

Since the first Conference in 2013, the emphasis of this meeting remains as always around collegiate discussion and learning, rather than solely on scientific output. Below you will find the programme for both days of the conference and a list of poster abstracts. We are delighted to have received more than 60 abstracts, 7 of which will be presented in spoken sessions – please take the chance to view the posters displayed during programme breaks and to meet and discuss the work with authors.

If you are keen to take in the sights and sounds of Belfast please visit our website where you will find some great suggestions on things to see and do during your visit to this wonderful city (<https://www.qub.ac.uk/sites/warc/ThingstodoinBelfast/>) or check out the Visit Belfast website (<https://visitbelfast.com/see-do/>).

If you have any queries or there is anything we can help you with, please email us in advance at [rawc@qub.ac.uk](mailto:rawc@qub.ac.uk), or approach us at any time over the two days. We'd love to share the event far and wide so please follow us on Twitter @RecoveryICU and include #ICURecovery23 in any posts.

We're thrilled that you are joining us in Belfast for our Conference – we hope that you enjoy yourselves, meet old friends and new, share and learn clinical practices, and leave feeling motivated and energised around the invaluable work that you all carry out each day. Thank you in advance for making this a successful, dynamic, and memorable event.

Warm regards

Bronwen

## **CONFERENCE VENUE**

The Conference venue is the Whitla Hall, Queen's University Belfast, University Road, Belfast, BT7 1NN.

The picture at the top of this booklet shows the historic Lanyon Building at Queen's main campus and the Whitla Hall is the building at the right-hand edge of the photo. You can find us on Google maps: <https://goo.gl/maps/aodXfSvikswEqFWe7>. You can also ask any of the security staff on campus for directions.

Further travel information can be found on our website, <https://www.qub.ac.uk/sites/warc/Travel/>

## **REGISTRATION**

Registration will open at 8:00am on Saturday 22 April 2023.

On the first morning, there will be three registration desks. Please go to the desk that corresponds to the letter at the start of your registration number and show the email that contains your registration number so that your attendance can be recorded and your name badge issued. Everyone who attends the Conference and completes the post-event evaluation form will receive an electronic certificate of attendance by email. Links to the evaluation form will be emailed to you afterwards.

## **SUSTAINABILITY**

We are taking measures to reduce our environmental impact. This booklet is being issued in digital rather than printed format. There will be posters in the venue with a QR code that can be scanned with a smartphone/device and lead you to the booklet. Additional information is available on our website, including biographies of our speakers, <https://www.qub.ac.uk/sites/warc/>. Hot beverages will be served in reusable cups to avoid employing disposable ones. Please return these to the servers after you finish your beverage so that they can be washed and reused. Badges will be printed on card that can be recycled and lanyards can be returned to us for use at future editions of the Conference.

## **WIFI**

If you indicated during registration that you do not have access to eduroam we have requested access to the University's Wi-Fi network for you for the duration of the Conference. Please look out for the email from our Information Services Directorate containing your login details.

## **CATERING**

Refreshments and lunch on both days, and a social event at the end of Saturday are included in the conference registration.

## **MOBILE PHONES**

Please ensure mobile phones are turned off or muted during presentations.

**SMOKING POLICY**

Smoking is prohibited in all internal and external areas of the venue.

**LEFT LUGGAGE**

Use of the cloakroom areas for left luggage is at your own risk; Queen's University Belfast and the Conference are not held responsible for loss or damages of your property.

**ENDORSEMENT**

The meeting is endorsed by the Dutch society of Internal Medicine and the Dutch Society of Intensive Care.

**BOOKLET CONTENT**

Content in this booklet is subject to change at short notice and updates will be posted on the Conference website, <https://www.qub.ac.uk/sites/warc/>. Specific title of speaker talks may be updated at the time of presentation.

## Saturday 22<sup>nd</sup> April 2023

Time	Session	Speaker
<b>8.00am</b>	<b>Registration</b>	
<b>8.45am</b>	<b>Welcome and conference info</b>	Bronwen Connolly
<b>9.00am</b>	<b>State of the Art</b>	
	Mechanical ventilation	Danny McAuley
	Early mobilisation	Sabrina Eggmann
	Critical illness survivorship	Joanne McPeake
	Prolonged mechanical ventilation in COVID-19 Patients	Nicholas Hart
<b>10.30am</b>	<b>Break, poster viewing</b>	
<b>11.00am</b>	<b>Topics in rehabilitation I</b>	
	Medication challenges in patients surviving critical care	Richard Bourne
	Interactive gaming	Peter Spronk
	The value of SLT expertise in critical care	Sallyanne Duncan
<b>12.30pm</b>	<b>Lunch, poster viewing</b>	
<b>1.45pm</b>	<b>Oral abstract presentations</b>	
	6 x 15 minutes (10 min talk, 5 min questions)	
	<i>Selected from abstract submissions</i>	
	1.45-2.00pm Impact of early out-of-bed mobilization on functional outcome in patients with aneurysmal subarachnoid haemorrhage: a retrospective cohort study	Adela Foudhaili
	2.00-2.15pm Course of Recovery of Respiratory Muscle Strength and Associations with Physical Functioning: A Prospective Cohort Study Among Critical Illness Survivors	Mel Major

	2.15-2.30pm Clinical Characteristics And Outcomes of COVID-19 Patients With Prolonged Mechanical Ventilation: A Single Center Retrospective Cohort Study	Caroline Mól
	2.30-2.45pm Feasibility and safety of Virtual Reality Rehabilitation (VRR) for critically ill patients on the Intensive Care Unit (ICU): preliminary results of a proof-of-concept clinical trial	Eline Haghedooren
	2.45-3.00pm Improving swallowing outcomes for people with acute spinal cord injury: A service evaluation across three spinal centres	Jackie McRae
<b>3.00pm</b>	<b>Break, poster viewing</b>	
<b>3.30pm</b>	<b>Cultivating practice</b>  Implementation  Fostering leadership culture  Optimising aspects of care	  Bronagh Blackwood  Rachael Moses  Peter Nydahl
<b>5.00pm</b>	<b>Close of Day 1</b>  <b>Social drinks (included)</b>	

## Sunday 23<sup>rd</sup> April 2023

Time	Session	Speaker
<b>8.00am</b>	<b>Poster viewing</b>	
<b>9.00am</b>	<b>The onwards journey</b>  Rehab after ICU: time for technology  Follow-up clinics  The role of primary care	  Brenda O'Neill  Bronwen Connolly  Johnny Stewart
<b>10.00am</b>	<b>Oral abstract presentations</b>  2 x 15 minutes (10 min talk, 5 min questions)  <i>Selected from abstract submissions</i>	
	10.00-10.15am Predictive factors of posttraumatic stress symptoms three months after intensive care unit admission	Klara Friberg
	10.15-10.30am Functional status trajectories of ICU survivors the first year after ICU admission: A multicenter prospective cohort study	Renato S. Mesina Jr
<b>10.30am</b>	<b>Break, poster viewing</b>	
<b>11.00am</b>	<b>Topics in rehabilitation II</b>  Respiratory muscle training  Role of occupational therapy  Nutrition therapy	  Rik Gosselink  James Bruce  Emma Ridley
<b>12.30pm</b>	<b>Lunch, poster viewing</b>	
<b>1.30pm</b>	<b>Humanising the ICU</b>  Does Fresh Air Matter  Animal Assisted Activity in the ICU: What, Why, and How  End of life care	  Kate Tantam  Megan Hosey  France Clarke
<b>3.00pm</b>	Keynote	

	Supporting family and caregivers	Joanne McPeake
<b>3.30pm</b>	<b>Summary, evaluation, conference resource portal</b> <b>Close of conference</b>	Bronwen Connolly



## ABSTRACTS

Poster number	Title	First Author
	<b>SLT/OT</b>	
1	ICU Step Down: An Occupational Therapy Rehabilitation Service Post ICU Admission	Rachel Collins
2	Retrospective analysis of findings from fiberoptic endoscopic evaluation of swallow used in the Intensive Care unit over a 4 year period in St Vincent's University Hospital.	Anna Joyce
3	An evaluation of Speech and Language Therapy interventions for patients with a tracheostomy in a tertiary Intensive Care: a 12 month review.	Ruth Capewell
	<b>Respiratory weaning</b>	
4	Should the Rapid Shallow Breathing Index (RSBI) be individualized by height of the patients in mechanical ventilation?	Antuani Rafael Baptistella
5	Evolution and determinants of diaphragmatic function during prolonged weaning from mechanical ventilation	Julie Delemazure
6	A comparison of functional and psychological outcomes in patients requiring prolonged mechanical ventilation according to WIND classification: an observational study	Adam Harriman
7	Activation of respiratory muscles during spontaneous breathing and different modalities of inspiratory muscle training in a critically ill patient with weaning difficulties.	Diego Poddighe
	<b>Outcome measures</b>	
8	Norwegian version of the Chelsea Critical Care Physical Assessment Tool (CPAX – NOR): inter-rater reliability and responsiveness	Charlotte Marie Schanke
9	Responsiveness of the Chelsea Critical Care Physical Assessment Tool (CPAx): a pilot study	Christa Villinger
10	A method to identify and quantify activities common to intensive care patients based on data of two accelerometers.	Yvonne Dikkema
	<b>Enhancing care 1</b>	
11	The development of a "Comfort Bundle" to reduce discomfort in intensive care patients	Helen Berntzen
12	Patient Connect; Using a digital application to improve communication with family members of Intensive Care patients	Helen Jordan
13	Insertion of a health education program on rehabilitation and early mobility for family members, professionals and patients and their impact on the activities carried out.	Debora Schujmann

	<b>COVID 19</b>	
14	Comparisons of physical status outcomes between ICU patients and COVID-19 ICU patients	B. Cijs
15	Analysis of mobility status of COVID-19 patients undergoing renal replacement therapy: A Single-center, Retrospective Cohort Study	Suélen Elaine Uhlig
16	Clinical characteristics of COVID-19 patients undergoing ECMO support: A Single-center Retrospective Case Series	Caroline Mól
	<b>Enhancing care 2</b>	
17	How has the introduction of two rehabilitation physiotherapy assistants benefited the staff and patients on a critical care unit?	Laura Grimsey
18	Introducing PAT dogs visits into a Critical Care Unit	Laura Grimsey
19	The need of an ECMO-outpatient clinic?	Barbara Bordignon
	<b>Tracheostomy management</b>	
20	Trach to basics: organisational tracheostomy improvement	Rebecca Hetherington
21	Post-Intensive Care Syndrome and Decannulation Rehabilitation Pilot Program – Two years’ experience	Sofia Mesquita
22	Bespoke Rehabilitation and avoidance of a Tracheostomy for a complex patient post Brainstem Stroke	Nicola Seal
	<b>Observing mobilisation practice</b>	
23	Mobilisation after abdominal and cardiothoracic surgery- A national, multicentre, observational study	Monika Fagevik Olsén
24	Knowledge and Competency of Physicians in Adult Intensive Care Units toward Early Mobilization	Ali Albarrati
25	Identification and quantification of Physical Activity of Critically ill patients during hospitalization in the ICU (IPAC-IC): a pilot study	Bendiks Cazemier
	<b>Case studies in rehabilitation</b>	
26	‘Wasted Breath’ A case study review	Sarah Howe
27	How to get a patient home from Cardiac Intensive Care: An MDT Approach	Megan Lewis
28	Early Functional Rehabilitation with a Ventilated Patient.	Lucy Smith
29	Weaning in the Face of Adversity - A complex case study	Gen Conquest
30	Case study: Optimizing cuff-deflation procedures improves assessment of respiratory function, swallowing, and permits early speech	Susanne Nielsen
	<b>Multiprofessional service developments</b>	
31	The Utrecht ICU aftercare outpatient clinic; Organization of care and the aftercare of the ICU patients in the UMC Utrecht	Germijn Heijnen

32	Lancashire & South Cumbria Critical Care Network Rehabilitation Guide Quality Improvement Project	Nicky Williams
33	Expanding the Critical Care Rehabilitation Service across LTHT critical care	Rachel Hunsley
34	Development of a Rehab ward round in a general critical care unit	Laura Grimsey
35	The Introduction of an Interdisciplinary Ventilatory Weaning Chart for Tracheostomy Patients within the Critical Care Department of a Level Four Teaching Hospital in Ireland.	Niamh O' Leary
<b>Profession-focused initiatives</b>		
36	Physiotherapy as part of the Mobile Intensive Care Group (MIG)	Frances Eriksson
37	Development of interdisciplinary suctioning competencies for Speech and Language Therapists in the management of patients with tracheostomy.	Anna Joyce
38	The implementation of a pathway for the pharmacological management of oropharyngeal secretions in tracheostomy weaning within the Intensive Care Unit in St Vincent's University Hospital.	Anna Joyce
39	Allied Health Professional-led long term patient optimisation review within Critical Care	Megan Lewis
40	Advanced Nurse Practitioner Led Tracheostomy Service	Elaine McKeon
<b>Specialist populations/presentations</b>		
41	First time out of bed after cardiac surgery	Johanna Lilliecrona
42	Implementation of early Prolonged Disorders of Consciousness assessment in the Intensive Care Unit.	Anna Joyce
43	Morbidity following out-of-hospital cardiac arrest: an observational assessment of rehabilitation needs at critical care discharge in a large UK teaching hospital.	Harry Wilson
44	Treatment of spasticity in the ICU after severe brain injury	Pim Wood
45	Mobilising adults suffering from an aneurysmal subarachnoid haemorrhage (SAH) who require vasopressor support on neuro critical care at Leeds Teaching Hospitals Trust	Abbie Bloomfield
<b>Interventions, associations, and outcomes</b>		
46	Outcomes of prolonged intensive care and rehabilitation at a specialized multidisciplinary center in Sweden	Jenny Peterson
47	Mental, cognitive and physical outcomes after Intensive Care Unit treatment during the COVID-19 pandemic – A comparison between COVID-19 and non-COVID-19 patients and between their family members	Fedor van Houwelingen
48	Association and diagnostic concordance between the medical research council sum-score and handgrip strength in patients at the intensive care unit: a retrospective single center cohort study	Maarten Werkman

49	Investigating the association between functional and psychological outcomes at ICU discharge in patients mechanically ventilated >4 days: an observational study	Jonathan Weblin
50	Assessment of the Effects of Early Proprioceptive Stimulations in Mechanically Ventilated Critically Ill Patients: a Randomized Controlled Trial Protocol	Florence Martinache
<b>Diverse aspects of care</b>		
51	Interventions to improve communication between nurse and physicians in the intensive care unit: an integrative literature review	Faleu Ngangoum Panphile
52	From research to clinical practice - From translation to implementation The pathway of the Danish Chelsea Critical Care Physical Assessment Tool (CPAx-D)	Katrine Astrup
53	ICU Patient Passport "All About Me"	Rachel Collins
54	‘May I introduce myself’ – connecting with daily life at the ICU- searching for a soft balance between cure and care	Bence Bánki
55	Does the use of rehabilitation packs encourage patients to participate in self-directed rehabilitation following critical illness?	Maria Langan

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