

January 31, 2023

**Re: Carol L. Hodgson**

Dear ATS Critical Care Planning Committee members:

It is with great enthusiasm that we write this letter to nominate Professor Carol L. Hodgson, MPhil PGDip(Cardio) PhD FACP for the ATS Critical Care Assembly's Mid-Career Award. Dr. Hodgson is a practicing intensive care unit consultant physiotherapist at The Alfred Hospital and Deputy Director of the Australian and New Zealand Intensive Care Research Centre in the Department of Epidemiology and Preventive Medicine and Head of the Division of Clinical Trials for the School of Public Health at Monash University in Melbourne, Australia. She was recently awarded honorary membership to the European Society of Intensive Care Medicine for her contributions to critical care (2022) and admitted to the Academy of Health and Medical Sciences in Australia as a Fellow (2022). Dr. Hodgson is an astute clinical trialist who focuses on improving functional recovery for patients following ICU admission, specifically those with cardiorespiratory failure. Her collective body of research coupled with her mentorship and commitment to the ATS make her an excellent candidate for this award.

*Scientific Contributions*

As an ICU physiotherapist, Dr. Hodgson has a keen interest in functional recovery following critical illness. Her work examining disability 6 months after an ICU stay found an incredible 1 in 4 patients experienced moderate/severe disability (Hodgson et al, Intensive Care Med 2017), laying the groundwork for the recently completed trial she led in which 750 patients from 49 hospitals in 6 countries were randomized to early in-ICU physiotherapy vs standard of care and which demonstrated no difference in days alive and out of the hospital at 6 months (Hodgson et al, NEJM 2022). In addition to functional recovery, Dr. Hodgson has expertise in the study of ECMO in the ICU—she chairs the Australia/New Zealand National EXCEL Registry in ECMO (funded by the National Health and Medical Research Council), has co-authored position papers for organization of ECMO programs (Abrams et al, Intensive Care Med 2018), has overseen studies on disability and functional outcomes following ECMO (Hodgson et al, Lancet Resp Med 2022; Burrell et al, Crit Care Resusc 2022; Hayes et al, J Crit Care 2018; Tramm et al, Heart Lung 2016), and has led efforts to develop core outcome sets for ECMO patients (Hodgson et al, Crit Care Med 2021). Finally, she leads a multidisciplinary network of investigators from 15 countries and 90 clinical trial sites for the ANZICS Clinical Trials Group and has over \$25M in active funding for clinical trials in areas as diverse as bone loss prevention, sedation, transfusion, oxygenation post-cardiac arrest, and early cardiac rehab in ECMO patients in the ICU, building on her important published trial in recruitment and open lung ventilation (Hodgson et al, AJRCCM 2019). This experience has put her at the forefront of modern trial design (Serpa Neto et al, Curr Opin Crit Care 2021).

*Teaching/Mentoring/Advocacy*

Dr. Hodgson has served as a formal mentor in several programs at her home institution: Women's Mentoring Program, Monash University (2016-2023, 8 mentees); Alfred Health Research Alliance (2021-2023, 3 mentees); Alfred Health Physiotherapy Mentor (2011-2023, 14 mentees and 5 PhD students); and the Australian and New Zealand Intensive Care Society Clinical Trials Group Mentor (2016-2022, 2 mentees). She currently supervises 10 PhD students and was recently chair of the Early and Mid-Career Researcher Committee in the School of Public Health at Monash University from 2020-2021.

One of Dr. Hodgson's largest footprints, however, has been in advocacy in the form of guideline development. She represented Australasia on "An Official American Thoracic Society/European Society of Intensive Care Medicine/Society of Critical Care Medicine Clinical Practice Guideline: Mechanical Ventilation in Adult Patients with Acute Respiratory Distress Syndrome" (Fan et al, AJRCCM 2017) and currently serves in that role on two other guideline committees: International guidelines for the use of high flow oxygen therapy (European Respiratory Society) and International Sepsis Guidelines (International Sepsis Forum and the Society of Critical Care Medicine, USA). She was a member of the team who authored "Physiotherapy management for COVID-19 in the acute hospital setting: clinical practice recommendations" (Thomas et al, J Physiother 2020) which was endorsed by 12 international societies and is part of the guideline leadership group and deputy-chair of the critical care panel for the National COVID-19 Evidence Taskforce for Cochrane Australia.

#### *ATS Critical Care Assembly Participation*

Dr. Hodgson has been an active member of the ATS. Despite the distance, she has attended the international conference regularly over the past decade and given invited lectures in 2014, 2016 and 2020. Her mentees regularly attend and speak at ATS under her support, and she has nominated her mentees and colleagues for the Critical Care Assembly's International Early Career Achievement Award (including last year's winner, Emma Ridley), bringing these people into the ATS community. As aforementioned, she was a member of the ATS-sponsored guideline committee for mechanical ventilation for adults with ARDS. In addition, she currently serves on the Planning Committee for the Critical Care Assembly.

#### *Overall Impact*

In summary, Dr. Hodgson is an internationally renowned clinician-researcher whose portfolio of work is diverse in topic, novel in approach, and has moved the needle on our understanding of highly relevant issues in critical care (e.g., how to quantify and improve functional outcomes). Her commitment to education is evidenced by her strong mentorship investment and the time she dedicates to guideline development. Finally, her service to ATS from halfway around the world has improved the society and our assembly for all of us. As such, we can think of no better candidate for the ATS Critical Care Assembly Mid-Career Award.

Sincerely,



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