

Hi Everyone,

Welcome to the **July 2023 @ICURehab monthly email**. There are updates/announcements on educational opportunities, plus many **new** publications!

ICU Rehab updates for July 2023

1. **Announcements** and updates below:

a. **Register now! 12th Johns Hopkins ICU Rehab Conference**

i. **Registration info & updated brochure:** <https://icurehabnetwork.org/>

1. Brochure updates include recognition of *APTA Acute Care*, *ASHA* and *American Delirium Society*

ii. **Fully virtual** with 2 identical formats (attend via one or both formats for a single registration fee):

1. **Live format via Zoom (Nov 8-11, 2023)**

2. **On-demand for >8 weeks (Oct 19 to Dec 18, 2023)**

iii. **If Questions:** ICUrehab@jhmi.edu

b. Archived (from May 2023): **Johns Hopkins @ICURehab webinar**

i. Title: **Integrating PT, OT, SLP & RT in the ICU: It takes a Village!** – including a patient case study with video of therapy services

ii. Archive here (see “Free Webinar” page): <https://icurehabnetwork.org/>

c. **Adult Long COVID Core Outcome Set (COS)...**

i. Project done in collaboration with World Health Organization (WHO)

ii. Publication from Stage 1 of COS is below – *Lancet Respiratory Medicine*

1. <https://www.ncbi.nlm.nih.gov/pmc/articles/PMC9197249/>

iii. Results of Stage 2 (i.e. recommended measurement instruments) available

1. **See Recommended Measurement Instruments:** <https://www.pc-cos.org/>

d. **Updated Monthly! ICU Rehab E-Resource Sheet:**

<https://icurehabnetwork.org/resources/>

i. **Check it out for July 2023 issue; Highlighting new Conference speakers:**

1. **Drs. Jack Iwashyna & Dan Brodie** presenting on **ICU Survivorship & ECMO Rehab!**

e. **Resources/tools for adult ICU, pediatric ICU, & hospital-wide mobility:**

i. <http://www.johnshopkinssolutions.com/solution/activity-mobility-promotion-amp/>

ii. <https://browse.welch.jhmi.edu/early-mobility>

f. **Fundamentals of ICU Rehab** training by Chris Perme, PT CCS FCCM

i. More info: www.permeseminars.com

g. **For info about ICU & post-ICU functional measures, see:** www.ImproveLTO.com

i. Website created from a NIH-funded grant for improving outcomes measurement in critical care research

- ii. Info about **ICU-specific measures & long-term outcome measures** (physical, cognitive, mental health & quality of life)
- iii. Free full-text review article on **ICU mobility/physical function measures** here: <http://rdcu.be/wszU>
- iv. Free full-text review article on **understanding patient outcomes after ICU**: <https://bit.ly/2NTM77u>
- v. **FREE web-based, self-assessment of RASS/CAM-ICU sedation/delirium assessments, at:**
 - 1. www.ImproveLTO.com/instruments; scroll down to Cognitive>ICU Delirium
 - i. Free registration required to access the assessment
- vi. **7 short educational videos for learning RASS & CAM-ICU:**
 - i. <https://vimeo.com/showcase/9768694>
 - ii. free full text publication: <https://www.atsjournals.org/doi/10.34197/ats-scholar.2022-0011OC>
- vii. **Functional Status Score for the ICU (FSS-ICU) instrument information:**
 - 1. Website registration for **free** access to FSS-ICU: www.ImproveLTO.com
 - 2. **20-minute instructional video is available at above website**
 - 3. Korean, Turkish, Spanish, Japanese & Portuguese translations available (see www.ImproveLTO.com)
 - 4. FSS-ICU version for **retrospective assessment** of patient's pre-ICU **baseline status** is at above website
- h. **Validated Survey to Assess Barriers to ICU Mobility** - free full text article available at: <https://bit.ly/2zbYHGA>
 - i. Survey is free as part of "Complimentary Critical Care Rehab Toolkit" at: bit.ly/icurehabsol

2. COVID Publications

COVID-19 Related Issues

1. Mobilisation during COVID-19: Retrospective Analysis <https://bit.ly/42yaLNj>
2. Virtual Rehab for COVID-19 Survivors: Service Evaluation <https://bit.ly/3X3A3Ss>
3. Laryngotracheal Complications Post Intubation for COVID-19 <https://bit.ly/3J3X95k>
4. Definition of Postacute Sequelae of COVID-19 <https://bit.ly/45QpAxF>
5. Disentangling Postacute Sequelae of COVID-19 <https://bit.ly/3P2xXA5>
6. Patient Reported Outcome Measures & Long COVID Phenotypes: Cohort Study <https://bit.ly/3oWv8WL>
7. Multidisciplinary Center Care for Long COVID Syndrome: Cohort Study <https://bit.ly/3CgAr6m>
8. Recovery from Covid-19 Crit illness: ISARIC4C Cohort study vs RECOVER trial <https://bit.ly/43u1bMN>
9. Patients' Perspectives 1 Year Post COVID-19 Hospitalization: Qualitative Study <https://bit.ly/3qvj4w2>
10. Fatigue Post COVID-19: Meta-analysis <https://bit.ly/3Nk30F2>
11. Cognitive Behavioral Therapy for Severe Fatigue Post COVID-19: RCT <https://bit.ly/3NtYohb>
12. Fatigue as Primary Determinant of Functional Limitations: Cross-Sectional Study <https://bit.ly/3Nk0X55>

13. Resp Sequelae of COVID-19: Pulm & Extrapulm & Approaches to Rehab <https://bit.ly/3p1Q3HP>
14. Post-COVID-19 Dyspnea Determinants of Recovery: COVID vs. Controls <https://bit.ly/42x3Ow7>
15. Breathing Difficulties Post Covid-19: Guide for Primary Care <https://bit.ly/42P6rcA>
16. Post COVID-19 Neuro & Psych Sequelae 2 years after ICU <https://bit.ly/45Rkcu5>
17. Cognition in COVID-19 Survivors 1 year Post ICU <https://bit.ly/3P149nq>
18. COVID-19 & Brain Structure Changes: UK Biobank <https://bit.ly/3XjAqIM>
19. COVID-19 & Mental Disorders Among Adults in Denmark <https://bit.ly/43u1o2x>
20. 2 yr Physical, Mental & Cog Outcomes COVID-19 ICU Survivors <https://bit.ly/3PmiQSo>
21. Prevalence of PICS in MV Pts with COVID-19 <https://bit.ly/3XiLMwj>
22. Long COVID in USA: Electronic Health Records & Machine Learning N3C data <https://bit.ly/447CRQT>
23. 2 yr Post COVID-19 Recovery & Symptoms: Cohort Study <https://bit.ly/3J7Qs2j>
24. Persistent COVID-19 Symptoms in Community-living Adults (CLSA) <https://bit.ly/42DrQFO>

3. **New publications** – *new papers hot off the presses*

Rehab

1. In-bed Leg Cycling on Mech Vent Duration: RCT <https://bit.ly/3IYWXob>
2. Acute Traumatic Coma Awakening by Median Nerve Electrical Stimulation: RCT <https://bit.ly/3IYVkBX>
3. Mobility & Self-care in Crit Ill Pts. Quality Improvement Study <https://bit.ly/43uivRM>
4. Electronic Inspiratory Muscle Training in Prolonged MV Pts: Observational Study <https://bit.ly/44rUlaP>
5. Diaphragm Neurostimulation Assisted Vent in Crit Ill Pts: Review <https://bit.ly/3OWkpWW>
6. NMES in Crit Illness: Meta-Analysis of RCTs <https://bit.ly/42q1TJH>
7. Multimorbidity & ICU Rehab: Patient-Level Meta-Analysis from 4 RCTs <https://bit.ly/3WYwrAR>
8. Protein & Exercise Therapy on ICU Survivors Outcomes: Sys Review <https://bit.ly/43LmvgS>
9. Risks & Benefits of Animal-Assisted Therapy in ICU: Sys Review <https://bit.ly/42DtcQU>
10. Performance Standard for PTs in ICU: Delphi Study <https://bit.ly/42RoQ8T>
11. Resp Physiotherapy & Rehab in Rib Fractures Pt: Delphi Study <https://bit.ly/3J0QyZq>
12. Feasibility of Mobility in ICU: UK Point Prevalence Study <https://bit.ly/3J5GO05>
13. Mobilization in ICUs in Japan: Multicenter Cohort Study <https://bit.ly/3pdccTO>
14. Early Mob in Pts Requiring VV ECMO: International Cohort Study <https://bit.ly/44dmmTn>
15. ECMO & Blood Purification Therapy on Early Mobilization in ICU: Cohort Study <https://bit.ly/3NDqBSp>
16. Mobilization & Postop Complications Post Major Surgery: Cohort Study <https://bit.ly/3P3sl3c>
17. Physical Rehab in ICU: Past, Present, & Future <https://bit.ly/43util8>
18. Rehab in ICU: Present & future <https://bit.ly/46gQXBh>

Muscle & Function

Nothing this month

Outcomes after ICU, and Patient Outcomes Research

19. Post-Intensive Care Syndrome (PICS): Recent Updates <https://bit.ly/3Cj47zL>
20. Models of ICU Follow-Up Care & Feasibility of Delivery: Sys Review <https://bit.ly/43Te0jD>
21. Evaluation of Medication Mgmt by Pharmacists in ICU Recovery Clinics <https://bit.ly/43JuPgC>

22. Dexmed on PTSD in Pts Undergoing Emergency Trauma Surgery: RCT <https://bit.ly/3JjncWj>
23. Minimum Clinically Important Difference for Hosp-Free Days <https://bit.ly/45UrEEL>
24. ICU Diary & QoL in ICU survivors: Meta-analysis <https://bit.ly/3MVOiUA>
25. Significant Persistent Pain After ICU: Multicentric Study <https://bit.ly/3WUU8tY>
26. Small Airway Dysfunction in Exertional Dyspnoea <https://bit.ly/3WTVjdb>
27. 1 yr Post ICU Delirium: Qualitative Study <https://bit.ly/441oBJq>
28. Family Financial Outcomes after Pediatric ICU <https://bit.ly/44a4Sas>

Sedation, Delirium, Sleep, Agitation

29. Dexmed vs Haldol for Sedation on Delirium: RCT Study Protocol (DEX-HD trial) <https://bit.ly/3qtQv21>
30. Non-Pharmacological Prevention of Postop Delirium by OT: RCT <https://bit.ly/3NbJpH8>
31. Dexmed on PTSD in Pts Undergoing Emergency Trauma Surgery: RCT <https://bit.ly/3JjncWj>
32. Ciprofol Sedation in MV Pts: Multicenter, Randomized, Noninferiority Trial <https://bit.ly/3NkOHTF>

33. Preclinical & Translational Models for Delirium: Recommendations from NIDUS <https://bit.ly/43INE9X>
34. Self-efficacy of Caring for Pts with Delirium: Validation of Scale for ICU nurses <https://bit.ly/3JiAx1q>
35. 1 yr Post ICU Delirium: Qualitative Study <https://bit.ly/441oBJq>
36. Nurse Survey on Physical Restraints in Peds ICUs in China <https://bit.ly/3JkZdWM>

Dysphagia, Communication & SLP Issues

37. Bedside Swallowing Screen for Post-Extubation Dysphagia: GUSS ICU Validation <https://bit.ly/3Cktmlk>

Psychology

38. Family-Based Care Program on Anxiety in CCU Pts: RCT <https://bit.ly/3PmGs9f>
39. Key elements of Clinical Psychology Service in Crit Care <https://bit.ly/3WYpXID>

4. Videos & News

Video & podcast postings below:

OACIS Videos &

News: http://www.hopkinsmedicine.org/pulmonary/research/outcomes_after_critical_illness_surgery/oacis_videos_news.html

5. **Twitter:** for brief updates about ICU Rehab, follow: @**icurehab** and @**DrDaleNeedham**. You can directly contribute using #**icurehab**

Best wishes to everyone,

Dale