

Hi Everyone,

Welcome to the **March 2022 @ICUrehab monthly email**. Good news - there is a LONG list of recent publications for March – I hope that you can enjoy some of them! I also hope you are managing through the Omicron wave – I recognize that some parts of the world are still surging with Omicron as others are improving. I hope everyone is coping through the pandemic.

ICU Rehab updates for **March 2022**

1. **Announcements** and updates below

- a. **5th Johns Hopkins Activity & Mobility Promotion (JH-AMP) Conference [Virtual]**
 - i. **Dates: Apr 20 to 22, 2022; On-demand: Apr 1 to June 1, 2022**
 - ii. Content includes: Foundations: JH-AMP Solution, Implementing Age Friendly Framework, Hospital Mobility Best Practice: Integration & Innovation
 - iii. Info: www.HopkinsAMP.org/conference
- b. **Free Resources from 10th Johns Hopkins Critical Care Rehab Conference**
 - i. **Four #ICUrehab Literature Lists (100's of citations!)**
 1. Accessible via: <https://icurehabnetwork.org/conference-archives/>
 2. Developed by Carrie Price, MLS (Medical Librarian)
 3. Includes all citations from presentations at 10th Hopkins ICU Rehab Conf
 - ii. **Conference Abstract Winners & Posters:**
 1. PDF of Conference posters: <https://icurehabnetwork.org/conference-archives/>
 2. Best Abstract Winners: <https://icurehabnetwork.org/conference-archives/>
- c. **Save the Date: 11th Johns Hopkins ICU Rehab Conf. Nov 2 – 5, 2022**
 - i. **Will be fully virtual: Live format (Nov 2-5) + 8 weeks of on-demand format**
 - ii. **Registration opens soon: early bird discount & abstract submission deadline: June 30, 2022**
 - iii. **For updates: <https://icurehabnetwork.org/> or email ICUrehab@jhmi.edu**
- d. **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>
- e. **Fundamentals of ICU Rehab training by Chris Perme, PT CCS FCCM**
 - i. More info: www.permeseminars.com
- f. **For info about ICU & post-ICU functional measures, see: www.ImproveLTO.com**
 - i. This website was created from a NIH-funded grant for improving outcomes measurement in critical care research
 - ii. There is 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. **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 & Portuguese translations available (see www.ImproveLTO.com)

4. Japanese, & Italian translation are “in process”
5. FSS-ICU version for **retrospective assessment** of patient’s pre-ICU **baseline status** is at above website

g. **Validated Survey to Assess Barriers to ICU Mobility** - free full text article available at: <https://bit.ly/2zbYHGA>

i. Survey is freely available at: bit.ly/icurehabsol

h. **ICU Rehab eResource Sheet is attached**

i. share with colleagues; latest version available via: <https://icurehabnetwork.org/resources/>

2. **COVID Publications**

1. Inpatient Rehab can Improve Functional Outcomes of Post-ICU COVID-19: Prospective study <https://bit.ly/3oQdDUz>
2. Safety & Feasibility of Physiotherapy in ICU-admitted COVID-19: Observational Study <https://bit.ly/3IBkbyS>
3. Sedation, Analgesia, Mobilization, Delirium & Sleep before & during COVID-19 <https://bit.ly/3gWYixv>
4. Prone Position on Lung Recruitment & Ventilation-Perfusion Matching in COVID-19 ARDS <https://bit.ly/3sceaCo>
5. Core Outcome Set Development for Studying Post-COVID-19 Condition <https://bit.ly/3ImnJog>
6. Working with Patients for Research: Lessons from Long COVID <https://go.nature.com/3LCd62p>
7. Quality of Life of COVID 19 Patients after Discharge: Sys Review <https://bit.ly/3H82JjD>
8. Post-acute COVID-19 Syndrome at Different Follow-up Periods: Meta-analysis <https://bit.ly/3uU5en2>
9. Organization of Outpatient Care after COVID-19 Hospitalization: Research Letter <https://bit.ly/3BnjaHp>
10. Outcomes in Pts with & without Disability Admitted to Hospital with COVID-19: Cohort Study <https://bit.ly/3uK3mgI>
11. Frailty & Disability Transitions in ICU with COVID-19: Cohort Study <https://bit.ly/3rPxB3U>
12. Risk of Persistent & New Clinical Sequelae in Adults ≥ 65 years after COVID-19: Cohort study <https://bit.ly/3gNXMSn>
13. Long-term Cardiovascular Outcomes of COVID-19 <https://go.nature.com/3hwertO>
14. Chronic Fatigue & Postexertional Malaise in Long COVID: Observational Study <https://bit.ly/3oLio1N>
15. Critical Care Follow-up Evaluation: Acquired Peripheral Nerve Injury after COVID-19 <https://bit.ly/36UkjLt>
16. Nervous System Consequences of COVID-19 <https://bit.ly/3rLu0UC>
17. Neurologic Outcomes of Survivors of COVID-19–Associated ARDS <https://bit.ly/3rHYzu4>
18. Alzheimer's-like Signaling in Brains of COVID-19 Patients <https://bit.ly/3IzprCx>
19. 3 Month Evaluation of Sleep & Circadian Health of COVID-19 Survivors After Discharge <https://bit.ly/34WZZZp>
20. Association of COVID-19 ARDS With PTSD in Family After ICU Discharge <https://bit.ly/3h1gWEn>
21. 3 & 12 mo. Mental Health Symptoms in Family of COVID-19 ICU: Cohort Study <https://bit.ly/3HNMF7D>

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

Rehab

1. Body Weight-supported Treadmill Training in ICU: RCT <https://bit.ly/34AVF1E>
2. Cardiorespiratory Response to Early Rehabilitation in ICU: Secondary Analysis of RCT <https://bit.ly/3GNCrTo>
3. Quality of Exercise Interventions in Health & Disease: Sys Review <https://bit.ly/3stKiBI>
4. Early Rehab Index & Barthel Index in ICU: Brazilian Portuguese <https://bit.ly/3st4L8o>
5. Early Mobilization in Pediatric ICU: Routine Patient Screening <https://bit.ly/3uZC2en>
6. Quality Improvement to Stimulate Early Mobilization of Critically Ill Children <https://bit.ly/35qP2PI>
7. Nurses Training for Early Mobilization of Mech Vent Pts: Qualitative Study <https://bit.ly/3v2yeca>
8. Survey of Physiotherapy Practice in Ontario Cardiac Surgery ICU <https://bit.ly/35q2X8h>
9. Early Mobilization & Rehab in Swiss ICU: Cross-sectional Survey <https://bit.ly/3t4TZpg>
10. Early Mobilization Implementation in ICU in China: Cross-sectional Survey of Nurses <https://bit.ly/35oJiG7>
11. Physical Rehab in ICU: Is It Worth the Effort (Editorial)? <https://bit.ly/33JrtAW>
12. Temporary Transvenous Phrenic Nerve Stimulation in Difficult-to-Wean Patients: RCT <https://bit.ly/3HMZY8i>
13. Neuromuscular Electrical Stimulation in Septic Shock: Randomized Crossover Trial <https://bit.ly/3sqOK4i>
14. Protocol-based Physiotherapy on Insulin Sensitivity & Peripheral Glucose Metabolism in ICU <https://bit.ly/343yaho>

Strength, Mobility & Function

15. Longitudinal Tracking of Physical Function: Modified Delphi Consensus Study <https://bit.ly/34GRd1w>
16. Factors Associated with Functional Decline in ICU: Prospective Study <https://bit.ly/35IQYmL>

Outcomes after ICU, and Patient Outcomes Research

17. 6 & 12 mo. Workload, Illness Severity & Function following ARDS <https://bit.ly/3IMnafa>
18. Sepsis Hospitalization & Risk of Subsequent Cardiovascular Events: Cohort study <https://bit.ly/3uPiUj3>
19. SICQ Coping & Quality of Life & Recovery of ICU Pts: Cohort Study <https://bit.ly/3sNzIEu>
20. Evidence-based, Theory-grounded Online Clinical Frailty Scale Tutorial <https://bit.ly/3LDN7I6>
21. ARDS Readmissions: Cross-sectional Analysis of Epidemiology & Costs of Care <https://bit.ly/3sJFaIG>
22. Incidence & Risk factors of Mental Illness in Spouses of Pts with Sepsis <https://bit.ly/3uQGZ3>

Delirium, Sleep

23. ABCDE Bundle in Acute Respiratory Failure Pts <https://bit.ly/3tlGamx>
24. Prevention & Management of Pain, Agitation, Neuromuscular Blockade & Delirium in PICU <https://bit.ly/3Jlgehd>
25. Factors Associated with Delirium Among ARDS Survivors: Cohort study <https://bit.ly/3v67d7Y>
26. Association between Nonpharmacological Strategies & Delirium in ICU <https://bit.ly/3IBL6u3>
27. Postoperative Delirium & Changes in Blood-brain barrier, Neuroinflammation & CSF Lactate <https://bit.ly/3HNV1fB>
28. Family in Preventing Delirium in ICU: Scoping review <https://bit.ly/3oPY0wI>
29. Positive Stimulation for Medically Sedated Patients (PSMSP) Protocol: Music for ICU Delirium <https://bit.ly/3GOowMY>
30. Melatonergics to Prevent Delirium in ICU: Umbrella Review <https://bit.ly/3pa0gz1>
31. Association between Delirium in ICU & Post Discharge Cognitive or Psychiatric Problems: Cohort study <https://bit.ly/3gRS3Li>
32. Sleep Assessment in ICU: Established Methods & Emerging Strategies <https://bit.ly/3HS3mif>
33. Richards-Campbell Sleep Questionnaire with ICU Pts & Home sleepers <https://bit.ly/3LOWB2R>

Psychology

34. Fear of Death & Development of PTSD After Trauma <https://bit.ly/3JwBIRl>

Dysphagia

35. Dysphagia in Intensive Care Evaluation (DICE): Cross-Sectional Survey (2021) <https://bit.ly/3uJcKAZ>

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**