

Hi Everyone,

Welcome to the **July 2022 @ICURehab** monthly email!

ICU Rehab updates for July 2022

1. **Announcements** and updates below:

- a. **Register NOW: 11th Johns Hopkins ICU Rehab Conference**
 - i. **Fully virtual** with 2 identical formats (attend via one or both formats for a single registration fee):
 1. **Live format via Zoom (Nov 2-5)**
 2. **On-demand (Oct 20 to Dec 19)**
 - ii. **Brochure & info** via: <https://icurehabnetwork.org/> or email ICUrehab@jhmi.edu
- b. **Participate in international LIBERATION study**
 - i. Observational study of **evidence-based care & patient outcomes in ARDS**
 1. Focus on ICU rehab, restraints, ABCDEF bundle, etc.
 - ii. **Looking for regional leader/national coordinators to assist**
 - iii. Adult & Pediatric ICUs can participate
 - iv. Patient enrollment: June 2023 to May 2024
 - v. Info: keiliu0406@gmail.com or <https://form.jsea2005.org/liberation-study-1/>
- c. **3 Free @ICURehab Webinars for Sept. 2022 – Save the Date!**
 - i. Each webinar is 12 to 1pm Eastern Time (USA), with live Q&A
 - ii. Webinars will be recorded & posted to website for viewing later
 - iii. **No continuing education credit available**
 - iv. Registration info (coming soon) will be posted here: <https://icurehabnetwork.org/webinars/>
 1. **Sept 14 – “Hospital-Wide Activity & Mobility Promotion - Systematically Combatting the Harms of Immobility”**
 2. **Sept 21 - “Tracheostomy: Implications for PT, OT and SLP Practice in the ICU”**
 3. **Sept 28 - “Optimizing Mobility in the Pediatric ICU”**
- d. **Archived Webinar (Free): “ICU Rehab during COVID-19 Pandemic”**
 - i. See “Free Webinar” section: www.ICURehabNetwork.org/
- e. **Updated ICU Rehab Resource Sheet** available at: <https://icurehabnetwork.org/resources/>
- f. **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>
- g. **Fundamentals of ICU Rehab** training by Chris Perme, PT CCS FCCM
 - i. More info: www.permeseminars.com
- h. **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
 - a. 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, **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
- i. **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

2. **COVID Publications**

COVID-19 Related Issues

1. Rehab & COVID-19: Living Sys Review by Cochrane as of Feb 28, 2022 <https://bit.ly/3OrzU5P>
2. ICU-AW & Hospital Func Mobility after MV in COVID-19: Cohort Study <https://bit.ly/3O24SSD>
3. Core Outcome Set for Post-COVID-19 for Clinical & Research: Delphi <https://bit.ly/3bBv9bB>
4. Post-COVID-19 in Children: Core Outcome Set urgently needed <https://bit.ly/3A9FLsi>
5. Priority Setting to Identify 10 Research Questions in Long COVID <https://bit.ly/3zEDYvg>
6. COVID-19 Continuum of Illness <https://bit.ly/3bzKB8e>
7. Long COVID Trajectory after Covid-19 Vaccination: Cohort study <https://bit.ly/3zS64TE>
7. Long COVID after breakthrough SARS-CoV-2 infection <https://go.nature.com/3QqYKUZ>
8. Longitudinal Study of COVID-19 Sequelae & Immunity: Baseline Findings <https://bit.ly/3O4erjh>
10. One-year Outcomes of Mech Vent COVID-19 ICU Survivors: Cohort Study <https://bit.ly/3bbPJiF>
11. Early Deep Sedation & Clinical Outcomes in COVID-19 Mech Vent pts: Cohort Study <https://bit.ly/39QWdDa>
12. Post-COVID Condition among COVID-19 Survivors Aged 18–64 & ≥65 Years <https://bit.ly/3y0BhTB>
13. Sleep & Circadian Health of Critical COVID-19 Survivors 3 Mo after Discharge <https://bit.ly/39wP7Uj>
14. Fatigue, Cognitive Dysfunc & Psych Disorders after COVID vs. Sepsis: <https://bit.ly/3zL0pPx>
15. Rapid Vigilance & Episodic Memory Decrements in COVID-19 Survivors <https://bit.ly/3QwiKWc>
16. Comprehensive Clinical Assessment Identifies Neurocognitive Deficits in Long-COVID <https://bit.ly/3zILTHS>
17. Remote Functional Exercise Testing in Cardiac Pts during Covid-19: Sys Review <https://bit.ly/3zOibBg>
17. Evaluating Primary Endpoints for COVID-19 Therapeutic Trials to Assess Recovery <https://bit.ly/3N0wllQ>
18. Evolution in Care Delivery during COVID-19 Pandemic: Qualitative Study <https://bit.ly/39NT5I8>
20. Examination of Stress Symptoms & Posttraumatic Growth in Covid-19 <https://bit.ly/3AbN5DV>
21. Restoration in the Aftermath <https://bit.ly/3Hvsa0g>

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

Rehab & Methodology

1. Effect of Early Mobilization Combined with Early Nutrition on ICU-AW: RCT <https://bit.ly/3xsRHSY>
2. Effects of Range of Motion Exercises & Massage on Strength in ICU: RCT <https://bit.ly/3QvKwT1>
3. Mobilizing with Severe Acquired Brain Injury in ICU (MAWERIC): RCT Protocol <https://bit.ly/3HBAU4T>
4. One Year Outcomes After Implementation of ICU Early Mobility Protocol <https://bit.ly/3zKD4xs>
5. Clinical Practice Guideline: Mobilization & Rehab of Critically Ill Burn Pts <https://bit.ly/3zPGYyJ>
6. Role of PTs in Management of Individuals at Risk or Diagnosed with VTE <https://bit.ly/3MZnjp1>
7. Statistical Inference through Estimation: Recommendations from PT Journal Editors <https://bit.ly/3O6hK9Y>
8. PT Interventions on Weaning Vent in ICU: Sys Review & Meta-Analysis <https://bit.ly/3y0G1sh>
9. Effect of Early Mobilization on Adult ICU length of stay: Sys Review <https://bit.ly/3y07hHI>
10. Impact of Physical Activity Interventions on ICU Delirium: Sys Review & Meta-Analysis <https://bit.ly/3QtZh8B>
11. Neonatal Aquatic PT in NICU: Scoping Review <https://bit.ly/3xYMGD7>
12. Walking on ECMO Support: Analysis of Videos <https://bit.ly/3Qn5djX>
13. Walking on ECMO - Don't try this at Home <https://bit.ly/3OvI7XU>
14. Social Influence, Implementation & Leadership on Nurse-led ICU Mobility <https://bit.ly/39Ale5u>
15. Survey of Implementation of ABCDE Protocols <https://bit.ly/3ORfUK6>
16. Therapy professionals in Critical care: UK wide workforce survey <https://bit.ly/3ypo72u>
17. Factors Associated with Family Caregiver Readiness to Participate in ICU Care <https://bit.ly/3HAsFG8>

Muscle, Strength, Mobility & Function

18. Skeletal Muscle Changes & Clinical Outcomes in Critically ill Trauma & SICU Pts <https://bit.ly/3xZX7X7>
19. Muscle Protein Synthesis Following Protein Administration in Critical Illness <https://bit.ly/3xDn9hu>
20. Anabolic Resistance: Clinical Trials in Preventing ICU-AW & Physical Impairment <https://bit.ly/3xBILuB>

21. Properties of AM-PAC (6-clicks) & Functional Status Score for ICU (FSS-ICU) <https://bit.ly/3xZXMfH>
22. Sit to Stand Test: Clinimetric Analysis of ICU Studies <https://bit.ly/3xDelbl>
23. Actigraphy Recording to Quantify Physical Activity & Sedentary Behavior in Vent Pts <https://bit.ly/3QsK1sL>
24. RN Motor Function Assessment & Trach need in Ventilated SICU Pts <https://bit.ly/3QxUXWe>
25. Early Prediction Models for New Functional Impairment at Discharge of ICU pts <https://bit.ly/3LJn69o>

Outcomes after ICU, and Patient Outcomes Research

26. Effect of Transitional Care on Rehospitalization & Mortality After Sepsis: RCT <https://bit.ly/3Of1nYo>
27. Daily Written Care Summaries for Families of Critically Ill Pts: RCT <https://bit.ly/3aWjhjZ>
28. Tracking Post Intensive Care Syndrome: Study Protocol <https://bit.ly/3OryacN>
29. Perceived Social Support among Acute Respiratory Failure Survivors: Cohort Study <https://bit.ly/3zJt8Ed>
30. Integrated Health & Social Care Interventions for ICU Caregivers <https://bit.ly/3N0xtWC>
31. Extensive Variability of Work Participation Outcomes Measured in RCTs: Sys Review <https://bit.ly/3xCy4rV>
32. Measuring Social Health Following PICU: Scoping Review & Conceptual Framework <https://bit.ly/3b2l2fz>
33. 6-mo Outcomes of Sepsis vs. Non-Sepsis Mech Vent Pts <https://bit.ly/3HNxpbT>
34. Risk Factors Associated with PICS in Family (PICS-F): Prospective observational study <https://bit.ly/3y7K454>

Sedation, Delirium, Sleep

35. Dexmed vs Other Sedatives in Mech Ventilated Adults: Sys Review & Meta-analysis <https://bit.ly/3Qu8AFx>
36. Dexmed for Sedation in Mechanically Ventilated ICU Pts: Rapid Practice Guideline <https://bit.ly/3zM9qYE>
37. Survey of Implementation of ABCDE Protocols <https://bit.ly/3ORfUK6>
38. Non-Pharma Interventions for Minimizing Restraints in ICU: Umbrella Review <https://bit.ly/3Hy1Mmo>
39. Impact of Physical Activity Interventions on ICU Delirium: Meta-Analysis <https://bit.ly/3QtZh8B>
40. Non-pharma Interventions for ICU Delirium Prevention: Meta-analysis <https://bit.ly/3A9Lbne>
41. Scale Measuring Difficulties Faced by Nurses Caring for ICU Delirium Pts <https://bit.ly/3HxDetG>

Dysphagia

42. Post-Extubation Dysphagia & Long-Term Mortality in ICU Pts <https://bit.ly/3OGqQda>
43. ICU Professionals' Perspectives on Dysphagia Management: Group study <https://bit.ly/3b9OeBx>

Psychology

44. Glucocorticoid in ICU & PTSD in ICU survivors <https://bit.ly/3OKCoxQ>
45. Corporeal Rehab to Manage Acute Stress in ICU Pts <https://bit.ly/3QqZwBn>
46. Psychiatry's Role in Prevention of Post-Intensive Care Mental Health: Survey <https://bit.ly/3b4GRLA>
47. Mental Health Morbidity, Self-harm & Suicide in ICU Survivors & Caregivers <https://bit.ly/3N0RvAc>
48. Development of Support Needs after ICU (SNAC) Questionnaire <https://bit.ly/3zMaWdi>

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](http://www.hopkinsmedicine.org/pulmonary/research/outcomes%20after%20critical%20illness%20surgery/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