

Hi Everyone,

Welcome to the **June 2022 @ICURehab monthly email**. I am sending this email a couple of days early due to my clinical schedule in the ICU.

## ICU Rehab updates for June 2022

### 1. Announcements and updates below

- a. **Register NOW: 11th Johns Hopkins ICU Rehab Conf.**
  - i. **June 30 deadline** for early bird registration discount & for Abstract submission
  - ii. **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)**
  - iii. Abstract submission (June 30 deadline): <https://icurehabnetwork.org/>
  - iv. **Brochure & info via:** <https://icurehabnetwork.org/> or email [ICUrehab@jhmi.edu](mailto:ICUrehab@jhmi.edu)
- b. **Sign up ASAP: “Long COVID” Core Outcome Set (COS)\***
  - i. \*Project done in collaboration with World Health Organization (WHO)
  - ii. **Recruiting patients/caregivers, clinicians and researchers**
  - iii. **If interested, Sign up NOW to participate** (Survey will remain open for **limited duration**)\*\*
    1. **Sign up here:** [https://www.pc-cos.org/participate\\_now](https://www.pc-cos.org/participate_now)
  - iv. **\*\*Complete online surveys to decide upon measurement instruments for this NEW Core Outcome Set**
    1. Pre-print of Stage 1 of COS (not including measurement instruments) below
      - a. [https://papers.ssrn.com/sol3/papers.cfm?abstract\\_id=4017375](https://papers.ssrn.com/sol3/papers.cfm?abstract_id=4017375)
      - b. Peer-reviewed paper for Stage 1 COS is “in press” with *Lancet Resp Med*
- c. **Register ASAP: 12<sup>th</sup> American Delirium Society Meeting (In-person or Virtual format)**
  - i. **Dates: June 12 – 14, 2022**
  - ii. Register & info: <https://americandeliriumsociety.org/events/ads-2022-indianapolis-in/>
- d. **Newly Archived:** May 4, 2022 Free @ICURehab Webinar: “ICU Rehab during COVID-19 Pandemic”
  - i. Archived at (see “Free Webinar” section): [www.ICURehabNetwork.org/](http://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.johnshopkinsolutions.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](http://www.permeseminars.com)
- h. **For info about ICU & post-ICU functional measures, see:** [www.ImproveLTO.com](http://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](http://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](http://www.ImproveLTO.com)
  2. **20-minute instructional video is available at above website**
  3. Korean, Turkish, Spanish & Portuguese translations available (see [www.ImproveLTO.com](http://www.ImproveLTO.com))
  4. **Japanese version of FSS-ICU now on website!!**
  5. FSS-ICU version for **retrospective assessment** of patient's pre-ICU **baseline status** is at above website
- vii. **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](http://bit.ly/icurehabsol)

## 2. **COVID Publications**

### **COVID-19 Related Issues**

1. Transcranial Stimulation & Respiratory Rehab for COVID-19: RCT <https://bit.ly/3a4QkSE>
2. ICU Mobilization during COVID-19: Analysis of International Point Prevalence Study <https://bit.ly/3LorIRz>
3. Adverse Events during Early Mobility in COVID-19 Acute Resp Failure <https://bit.ly/3LMK53L>
4. Rehab & COVID-19: Update of Rapid Living Sys Review as of Aug 31, 2021 <https://bit.ly/3MFvjMU>
5. Surgical Mask & Cardiorespiratory Responses to Exercise in COVID-19: RCT <https://bit.ly/3LdnR9X>
6. 2 Year Longitudinal Follow-Up of COVID-19 Hospitalization from Wuhan, China <https://bit.ly/3G4EGDn>
7. 1-Year Recovery & Inflammation in Long COVID: Prospective Study <https://bit.ly/3Ow6xjo>
8. Neurologic Manifestations of Severe COVID-19 during 1st Year of Pandemic <https://bit.ly/3F14JdN>
9. Neuropsychiatric Ramifications of COVID-19 & Acute Respiratory Infections <https://bit.ly/3yFLB43>
10. Risk of Death or Unplanned Readmission after COVID-19 in Canada <https://bit.ly/3Ncc1yc>
11. Prevalence of PICS in Ventilated Pts with COVID-19 <https://go.nature.com/3PIZhqN>
12. Symptom Burden Questionnaire for Long Covid (SBQ-LC): Rasch Analysis <https://bit.ly/3kFe1mz>
13. Post COVID-19 Functional Status Scale: Analysis of Measurement Properties <https://bit.ly/39qiUO6>
14. Long COVID Terminology: Aiming for Consensus <https://bit.ly/3wfg55t>
15. Long COVID in Children: Modified Delphi Process <https://bit.ly/3OzkUn4>
16. COVID-19 Pandemic: Making Case for Narrative Competence <https://bit.ly/38u24O4>
17. Stress-Related Disorders of Family of COVID-19 ICU Pts: Cohort Study <https://bit.ly/3rRkIpD>
18. Experiences of Family Visiting Covid-19 ICU Pts: Phenomenological Study <https://bit.ly/3sFAB2J>

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

### **Rehab & Methodology**

1. Protein-Enriched Enteral Nutrition & Cycle Ergometry in MV Pts: Pilot RCT <https://bit.ly/3Lmx1SG>
2. Music-Guided Exercise Intervention on Strength in ICU Survivors: Pilot RCT <https://bit.ly/3MN3LVp>
3. Effects of Vitamin C Stimulation on Rehab of Dysphagia after Stroke: RCT <https://bit.ly/3KkMpgX>
4. Short Ergometric Exercise for Severely Burned Children in ICU: RCT <https://bit.ly/3LuvN7X>
5. Neurovascular Dysregulation & Acute Exercise Intolerance in ME/CFS: RCT <https://bit.ly/3MjKIC5>
6. Early Mobilization Prescription in Cardiac Surgery: Sys Review <https://bit.ly/3snzdSc>
7. Passive Motion of Legs in Sedated & Ventilated ICU Pts: Sys Review <https://bit.ly/3Pi0TC1>
8. ICU-Initiated Transitional Care Interventions on PICS: Meta-Analysis <https://bit.ly/3rZwxKm>
9. Neonatal Aquatic PT in NICU: Scoping Review <https://bit.ly/3xXyif0>
10. Early ICU Mobilization & Psychiatric Symptoms After ICU: Cohort Study <https://bit.ly/3yqcpoU>
11. Optimal Timing of Mobilization for Sepsis Pts in ICU: Retrospective Study <https://bit.ly/3rX6DHb>
12. Promoting Mobility in ICU: Educational Interprofessional Initiative <https://bit.ly/3wcuwvI>
13. Perceived Barriers to ICU Mobility in Singapore: Survey <https://bit.ly/3wq7kLR>
14. Rehab Definition for Research: Cochrane Rehab <https://bit.ly/3EQjbp8>

### **Strength, Mobility & Function**

15. Two methods for Assessing Quadriceps Strength Post Exercise in COPD <https://bit.ly/3sGg5zc>

### **Outcomes after ICU, and Patient Outcomes Research**

16. Mixed-Mode vs. Paper Surveys for Patient-Reported Outcomes after ICU: RCT <https://bit.ly/39vrGdL>
17. Evidence for Participant Retention Interventions <https://bit.ly/3L9Le4j>
18. Recall after Written or Oral Informed Consent to Participate in Interventional Trial <https://bit.ly/3FM6NXH>
19. Effects on QOL of Interventions affecting Survival in ICU: Sys Review <https://bit.ly/3spWCCx>
20. Effect of Bacteremia & Sepsis on 5-year Cardiovascular Events: Longitudinal Study <https://bit.ly/3vZkQ93>
21. ICU-Initiated Transitional Care Interventions on PICS: Meta-Analysis <https://bit.ly/3rZwxKm>
22. Early ICU Mobilization & Psychiatric Symptoms After Critical Illness: Cohort Study <https://bit.ly/3yqcpoU>

23. Identifying Clinical Subtypes in Sepsis-Survivors' 1 Year Outcomes <https://bit.ly/3xXzm2C>
24. Tracheostomy Clinical Practices & Pt Outcomes in Australia <https://bit.ly/3wgds9q>
25. Self-Reported Fatigue 6 mo. to 5 yr. after ICU Discharge <https://go.nature.com/3EY48tA>
26. Resuming Driving after ICU: Survey of Patient Experience <https://bit.ly/3sMwYIe>

### ***Delirium, Sedation, Agitation***

27. Improving ABCDEF Bundle Compliance & Clinical Outcomes in ICU: RCT <https://bit.ly/3EYBXdX>
28. Midazolam & Dexmed for Long-term Sedation on Vent Weaning Time: RCT <https://bit.ly/3kWQvSi>
29. Effect of Midazolam on Delirium in ICU: Propensity Score Analysis <https://bit.ly/3EXvG2h>
30. Non-Pharma Interventions for Preventing ICU Delirium: Meta-analysis <https://bit.ly/3kjtngd>
31. Non-Pharma Interventions for Agitation in ICU: Sys Review <https://bit.ly/3FhopKw>
32. Caregiver-Detected Delirium & Association with Depression & Anxiety in Family <https://bit.ly/3MzkN99>
33. Circadian Rest-Activity Misalignment in MICU Pts: Observational Study <https://bit.ly/38ruAj6>

### ***Dysphagia***

34. Effects of Vitamin C Stimulation on Rehab of Dysphagia after Stroke: RCT <https://bit.ly/3KkMpgX>
35. Incidence & Risk factors of Post-Extubation Dysphagia in SICU Pts: Protocol <https://bit.ly/38q8m0L>
36. Decreased Tongue Strength Related to Skeletal Muscle Mass in COPD Pts <https://bit.ly/38exDeF>

### **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_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