

Hi Everyone,

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

ICU Rehab updates for **May 2023**

1. Announcements and updates below:

a. Register now (free): Johns Hopkins @ICURehab webinar (via Zoom)

- i. **Date:** May 17, 2023, 12 to 1pm with **Live Q&A** (Eastern time USA)
- ii. **Topic:** *Integrating PT, OT, SLP & RT in the ICU: It takes a Village!* – including a patient case study with video of therapy services
- iii. **Free Registration:**
https://jhjhm.zoom.us/webinar/register/WN_w1pzvvpUTJqeiI5GLp46A
- iv. Webinar will be recorded & subsequently posted to <https://icurehabnetwork.org/> (if you can't participate live)
- v. **No continuing education credit is available**

b. Last chance, RSVP now: 13th International ICU PM&R Meeting – May 20, 2023 in Washington, DC, USA

- i. I am organizing this meeting, timed to coincide with the American Thoracic Society (ATS) Conference
 1. **There is no registration fee (free of charge!); there is no CME/CEU credit**
 - a. **Sat. May 20, 2023 (1:30 - 6:30 pm), with outdoor social/networking event immediately thereafter**
 - b. **Location:** GW University in Washington DC, USA (~1.5 miles/2.5 km from ATS Convention Center)
 - c. **You must RSVP***; invitation is open to clinicians & researchers (commercial attendees/vendors may not attend)
 - d. **This is a live in-person meeting; we will NOT record it & NOT have live streaming (i.e. no Zoom)**
- ii. ***For registration, e-mail Madison Greer (mgreer6@jhmi.edu):** provide name, degrees, institutional affiliation

c. Registration now open!! 12th Johns Hopkins ICU Rehab Conference

- i. Registration info & **draft** brochure here: <https://icurehabnetwork.org/>
- ii. **June 30 deadline** for: (1) early bird registration discount & (2) Abstract submission

- iii. **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)**
- iv. When available, **abstract submission** form will be at:
<https://icurehabnetwork.org/> or email ICUrehab@jhmi.edu
- d. **NIH Workshop: Tackling Brain & Muscle Dysfunctions in ARDS Survivors**
 - i. Was held on April 27 & 28, 2023
 - ii. **Archive of virtual workshop will be posted**, when available; info is below:
 - 1. <https://www.eventbrite.com/e/tackling-brain-and-muscle-dysfunction-in-ards-survivors-tickets-559026391987>
- e. **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/>
- f. **Updated Monthly! ICU Rehab E-Resource Sheet:**
<https://icurehabnetwork.org/resources/>
- g. **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>
- h. **Fundamentals of ICU Rehab** training by Chris Perme, PT CCS FCCM
 - i. More info: www.permeseminars.com
- i. **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. **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
- j. **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. E-Stim to Regain Lower Extremity Muscle Perfusion in PASC: RCT <https://bit.ly/3LIQ95I>
- 2. Efficacy & Tolerability of AXA1125 in Long COVID: RCT <https://bit.ly/40ePAhX>
- 3. "This Is My Story" -- Audio Interviews for ICU Pts during COVID-19 <https://bit.ly/43zhiJw>
- 4. Definition of Post-COVID Condition Among Published Research Studies <http://bit.ly/3GGAXgt>
- 5. 2 Yr Physical, Mental & Cog Outcomes among COVID-19 ICU Survivors <https://bit.ly/3GGL2Kv>
- 6. Lung Abnormalities after COVID-19 Hospitalization: Interim Analysis of UKILD Study <https://bit.ly/3GBJu4i>
- 7. Long-term Physical Impairments in COVID-19 vs non COVID-19 ARDS Survivors <https://bit.ly/3n1P7SK>
- 8. ICUAW & Func Disability in Mech Ventilated COVID-19 Pts <https://bit.ly/3onzfKH>
- 9. Exercise in Myalgic Encephalomyelitis/Chronic Fatigue Syn in PASC <https://bit.ly/416yYKK>

10. Neuro & Psych Sequelae in ICU & Gen Ward COVID-19 Pts <http://bit.ly/3GHUhdv>
11. Incidence of Delirium in ICU Pts with & without COVID-19 <https://bit.ly/3Uu6g3N>

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

Rehab

1. Structured Mobilization in ICU Pts: Pragmatic Cluster RCT <http://bit.ly/3m2zjii>
2. Prevention of Muscle Atrophy in ICU Pts with NMES: RCT <http://bit.ly/3zVM0Pf>
3. Aerobic Exercise in Children with Severe Burn Children: Multicenter RCT <http://bit.ly/3oc4QPD>
4. Effectiveness of Rehab Interventions in ICU pts: Overview of Sys Reviews <https://bit.ly/3omSZhH>

5. Cellphone App for Physical Activity after Pulm Rehab in COPD: RCT <https://bit.ly/41prEtq>
6. Long-term TeleRehab or Unsupervised Training at Home in COPD: RCT <https://bit.ly/413NgeV>

7. Long-Term Prognosis Following Early ICU Rehab: Retrospective Cohort <http://bit.ly/40TRI4Z>
8. Early Mob in Peds ICU & WeeFIM scores at Rehab: Retrospective Study <https://bit.ly/40I7BLV>

9. Dyspnea in Intubated Pts: Resp Distress Observation Scale (MV-RDOS) <https://bit.ly/3zWHQ9S>
10. Using Mobility & Activity Assessments by Nurse to Prioritize Rehab (Non-ICU) <http://bit.ly/3KAv7hX>

11. Early Mobilization for Critically Ill Patients: Review <http://bit.ly/43y4hzy>
12. Effects of Early Mobilization on ICUAW: Review <https://bit.ly/3LkByr1>

13. Physiotherapists' Organization & Profile: Implications of ICU Service <https://bit.ly/43GfxtV>
14. Early Mob in ICUs: Large-scale Cross-Sectional Survey in China <https://bit.ly/43taahM>

Muscle, Strength, Mobility & Function

15. Resp Muscle Strength & Exercise Capacity after MV: Cohort Study <https://bit.ly/3N1zfKy>

Outcomes after ICU, and Patient Outcomes Research

16. Sepsis Transition in Ps Discharged to Post-Acute Care: Secondary Analysis of RCT <https://bit.ly/3V0mX7h>

17. Return to Driving after Critical Illness <http://bit.ly/3UAKOWj>
18. Survey to Assess PCP Awareness of Post-ICU Complications <https://bit.ly/3UCI5Bt>
19. Sys Review of Studies Reporting Development of COS in Routine Care
<https://bit.ly/3UUBmls>

Sedation, Delirium, Sleep, Agitation

20. Core Outcome Measurement Set for Prevent or Treat ICU Delirium: (Del-CORs)
<http://bit.ly/3zVRBVH>
21. Symptom Assessment in MV Pts: ATS Workshop Report <https://bit.ly/43yAlnd>
22. Haloperidol vs. Placebo in ICU Delirium: Bayesian Analysis of AID-ICU trial
<https://bit.ly/43sNH4d>
23. Repeated Verbal Reminder of Orientation on Agitation After Gen Anesthesia: RCT
<https://bit.ly/3o4Lvje>
24. Pharma to Prevent Delirium in Trauma Pts: Meta-Analysis of RCTs
<https://bit.ly/3MBGb0Y>
25. Prognostic Accuracy of Delirium Prediction Models <https://bit.ly/43q5l8B>
26. Validation Study eDIS-ICU Delirium Screening Tool <http://bit.ly/3U1KnsM>
27. Diagnostic Yield of CT Head in Delirium: Meta-Analysis <https://bit.ly/3GHUMUV>
28. 6 year Cognitive Trajectory in Older Adults after Major Surgery & Delirium
<http://bit.ly/3ZZf9Ui>
29. Long-term Outcomes of ICU Delirium: Review <https://bit.ly/3od2u2F>
30. Delirium as Risk Factor for Mortality in Critically Ill Pts with Cancer
<http://bit.ly/418G7dE>

Dysphagia

31. Risk factors for Post-Extubation Dysphagia in ICU: Meta-analysis
<http://bit.ly/404pHRy>

Psychology

32. Correlates of Negative Memories at 3 Months after ICU <http://bit.ly/408v8j1>
33. Comforting Companion: AI Bringing Loved One's Voices to ICU
Pts <http://bit.ly/40f391e>
34. ICU Survivors of Self-Harm: Editorial <https://bit.ly/3mEAUuO>

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