13th Annual

JOHNS HOPKINS CRITICAL CARE REHABILITATION CONFERENCE

November 7 - 8, 2024

Thomas B. Turner Auditorium
Johns Hopkins East Baltimore Medical Campus
Baltimore, Maryland

Division of Pulmonary & Critical Care Medicine, and Department of Physical Medicine & Rehabilitation Present...
DESCRIPTION
Interdisciplinary collaboration and coordination is vital to facilitate early mobility and rehabilitation in the intensive care unit (ICU) setting. A stakeholders’ conference aimed at improving long-term outcomes for ICU survivors identified important ‘silos’ among critical care and rehabilitation clinicians working in the ICU, with these ‘silos’ acting as a barrier to collaboratively advancing the field and improving patient outcomes. While clinical trials support the benefits of early rehabilitation for mechanically ventilated patients, implementing these interventions requires creating a new ICU culture based on proactive rehabilitation and interdisciplinary collaboration between all critical care and rehabilitation clinicians. This conference will bridge the interdisciplinary gap from research to clinical implementation at the bedside.

WHO SHOULD ATTEND
This activity is intended for physical therapists, occupational therapists, speech-language pathologists, respiratory therapists, physiatrists, ICU physicians, physician assistants, nurse practitioners, nurses, psychologists, and psychiatrists.

OBJECTIVES
After attending this activity, the learner will demonstrate the ability to:

- Appraise the evidence supporting early rehabilitation and mobility in critically ill adults, including issues unique to Extracorporeal Membrane Oxygenation (ECMO) and other life support interventions.
- Describe ICU-specific rehabilitation strategies and interventions for adult critically ill patients.
- Appraise current evidence, clinical practice, and interdisciplinary roles of nursing, physical therapy, occupational therapy, speech language pathology, and respiratory therapy in an adult ICU rehabilitation program.
- Explain communication and swallowing strategies for adult ICU patients.
- Describe the management of sedation and delirium for adult ICU patients.
- Describe strategies to engage critically ill patients and their families for activity and mobility, including cognitive, communication, and psychology-based strategies.
- Describe the impact and challenges of ICU survivorship on patients and their families, including healthcare delivery in post-ICU settings.

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DISCLAIMER STATEMENT
The opinions and recommendations expressed by faculty and other experts whose input is included in this program are their own. This activity is produced for educational purposes only. Use of Johns Hopkins School of Medicine name implies review of educational format design and approach. Please review the complete prescribing information of specific drugs or combination of drugs, including indications, contraindications, warnings and adverse effects before administering pharmacologic therapy to patients.
This conference is supported by the Network for Investigation of Delirium: Unifying Scientists

This conference is sponsored by APTA Acute Care, an Academy of the American Physical Therapy Association

This conference is sponsored by the Academy of Cardiovascular & Pulmonary Physical Therapy

This conference is supported by the American Speech-Language-Hearing Association

This conference is endorsed by the American Thoracic Society

This conference is sponsored by the Johns Hopkins University School of Nursing
ACCREDITATION AND CONTINUING EDUCATION INFORMATION

ACCREDITATION STATEMENT
The Johns Hopkins University School of Medicine is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

CREDIT DESIGNATION STATEMENT
The Johns Hopkins University School of Medicine designates this live activity for a maximum of 16 AMA PRA Category 1 Credit(s)™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

OTHER CREDITS

- American Academy of Nurse Practitioners National Certification Program accepts AMA PRA Category 1™ Credits from organizations accredited by the ACCME.

- American Nurses Credentialing Center (ANCC) accepts AMA PRA Category 1 Credits™ from organizations accredited by the ACCME.

- National Commission on Certification of Physician Assistants (NCCPA) may claim a maximum of 16 Category 1 credits for completing this activity. NCCPA accepts AMA PRA Category 1 Credits™ from organizations accredited by ACCME or a recognized state medical society.

PSYCHOLOGISTS
The Johns Hopkins University School of Medicine is authorized by the Maryland State Board of Examiners of Psychologists as a provider of continuing education. The Johns Hopkins University School of Medicine maintains responsibility for this program.

PROFESSIONAL COUNSELORS AND THERAPIST
This CE Program has been approved by the Maryland Board of Professional Counselors and Therapists for Category A CEUs.

POLICY ON SPEAKER AND PROVIDER DISCLOSURE
It is the policy of the Johns Hopkins School of Medicine that the presenter and provider globally disclose conflicts of interest. The Johns Hopkins School of Medicine OCME has established policies in place to identify and mitigate relevant conflicts of interest prior to this educational activity. Detailed disclosure will be made prior to presentation of the education.

HOW TO OBTAIN CREDIT
Post activity, an online evaluation will be available to attendees to evaluate the activity and individual presentations and to identify future educational needs. Upon completion of the evaluation, the learner must attest to the number of hours in attendance. Credits earned will be added to the learner’s transcript and immediately available for print. The last day to access the evaluation and attest to your credits is December 17, 2024.

An outcome survey will be sent to all physician attendees within two months post activity to assist us in determining what impact this activity had on the learner’s practice.
PAYMENT AND REGISTRATION INFORMATION

REGISTRATION

Thursday, November 7-8, 2024 – 7:30 a.m. – 8:30 a.m.

FEES

Registration Cutoff Date: November 7th, 2024 at 5:00pm EST

Register Online: https://hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=52216

Methods of Payment: We require full payment prior to the start of the activity. On-site payments can only be accepted if made by learners via credit card through the online portal by 5:00 p.m. ET on the first day of the activity. Early bird registration is available for registrations received prior to 5:00 p.m. ET on June 30, 2024.

Early Bird

Until June 30, 2024

Regular Pricing

After June 30, 2024

Johns Hopkins Critical Care Rehabilitation Conference (All-New Content for 2024)

November 7-8, 2024

$370.00

$495.00

You will receive a confirmation by e-mail. If you have not received confirmation by November 1, 2024, call (410) 502-9636 to confirm that you are registered. A transcript of attendance will be available upon attestation of your credit hours and submission of the post activity online evaluation.

The Johns Hopkins University reserves the right to cancel or postpone any activity due to unforeseen circumstances. In this event, the University will refund the registration fee but is not responsible for travel expenses. Additionally, we reserve the right to change the venue to a comparable venue. Under such circumstances registrants will be notified as soon as possible.

Following the activity, certificates/transcripts will be available in CloudCME, following the submission of the online evaluation. The required evaluation with attestation will be available upon login to CloudCME. The deadline to complete the evaluation is December 17, 2024.

LATE FEE AND REFUND POLICY

A $50 late fee applies to registrations received after 5:00 p.m. ET on November 1, 2024. A handling fee of $50 will be deducted for cancellation. Refund requests must be received by fax or mail by November 1, 2024. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins activity in lieu of cancellation is not possible.

LOCATION

Thomas B. Turner Building
Johns Hopkins University School of Medicine
720 Rutland Avenue, Ground Floor
Baltimore, Maryland 21205

The Turner Building is located on Rutland Avenue at Monument Street. Directions and campus parking information are available on our website under the Contact Us tab at HopkinsCME.cloud-cme.com. Handicapped parking is available in the nearby Rutland Garage.

Johns Hopkins is smoke-free.

SYLLABUS AND HANDOUTS

Presentation handouts and the conference syllabus will be accessible online and via your mobile device using the CloudCME App. A web link to the syllabus also will be available prior to the conference. No printed syllabus or handouts will be provided. If you want a paper version, please print handouts from CloudCME prior to coming to the conference.

TO REGISTER OR FOR FURTHER INFORMATION

Register online:
https://hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=52216

Register by Phone: (410) 502-9636

Register by Fax: (866) 510-7088

Confirmation/Certificates/Transcripts: (410) 502-9636

General Information: (410) 955-2959

E-mail the Office of CME: cmenet@jhmi.edu

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Organization Code: HopkinsCME

For technical assistance with website, CloudCME or credits, please visit our tech support help page:
https://hopkinscme.cloud-cme.com/about/help

For general information, please visit the activity webpage at:
https://hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=52216
THE JOHNS HOPKINS SCHOOL OF MEDICINE

The Johns Hopkins School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.

EMERGENCY CALLS

On November 7-8, 2024 direct emergency calls to the Hopkins registration desk, (410) 955-3673. Messages will be posted for participants.

COMMERCIAL SUPPORT

The Johns Hopkins University School of Medicine did not solicit or receive commercial funding from any commercial entity, including pharmaceutical and medical device manufacturers, for this activity.

HOTEL AND TRAVEL INFORMATION

LORD BALTIMORE HOTEL

20 West Baltimore Street
Baltimore, Maryland 21201

HOTEL RESERVATION CUT-OFF DATE: OCTOBER 7, 2024

**Early Bird hotel discount until June 30, 2024**
Make your reservation online at [http://bit.ly/3uGX6U](http://bit.ly/3uGX6U) – Group ID 2411JHCRIC or call the hotel directly and specify that you are attending the Johns Hopkins Critical Care Rehabilitation Conference to receive the special Early Bird Special rate of $119, single or double, plus tax. After June 30, 2024, rate will increase to $139, single or double, plus tax.

HILTON GARDEN INN

BALTIMORE–HARBOR EAST

625 South President Street
Baltimore, Maryland 21202

HOTEL RESERVATION CUT-OFF DATE: OCTOBER 7, 2024

Make your reservation online at [https://bit.ly/icurehab2024Hilton](https://bit.ly/icurehab2024Hilton) or call the hotel directly and specify that you are attending the Johns Hopkins Critical Care Rehabilitation Conference group to receive the special group rate of $119 for single or double occupancy, plus tax.

RESIDENCE INN BALTIMORE

Make your reservation online at [https://bit.ly/icurehab2024ResidenceInn](https://bit.ly/icurehab2024ResidenceInn) or call the hotel directly and specify that you are attending the Johns Hopkins Critical Care Rehabilitation Conference group to receive the Early Bird Special rate of $155 for a one bedroom king suite, plus tax. After June 30, 2024, the rate will increase to $175.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins School of Medicine fully complies with the legal requirements of the ADA and the rules and regulations thereof. Please notify us if you have any special needs.
Thursday, November 7, 2024

7:30 - 8:30  Registration

Session 1
Welcome & Patient Interview
8:30 - 8:45  Welcome by Dale Needham, FCPA, MD, PhD
8:45 - 9:25  Adult Patient Interview & Question & Answer

Session 2
Latest Advances in Research & Practice for ICU Mobilization
9:25 - 9:45  Latest Updates in ICU Rehabilitation
Dale Needham, FCPA, MD, PhD
9:45 - 10:05  Rehab for Patients on ECMO: What is New?
Daniel Brodie, MD
10:05 - 10:25  ICU Nurses Progressing Early Mobilization
Kathryn Folliard, RN, BSN, CCRN & Maddie Gares, MBA, BSN, RN
10:25 - 10:40  Question & Answer
10:40 - 11:40  Poster Viewing #1 & Break (Light Refreshments)

Session 3
OT & SLP Research & Practice: Recent Advances
11:40 - 12:00  OT Functional Activity in the ICU: Updates over Past Year
Kelly Casey, OTD, OTR/L, BCPR, ATP
12:00 - 12:15  Swallowing & Voice Interventions by SLP: What’s New?
Martin Brodsky, PhD, ScM, CCC-SLP, F-ASHA
12:15 - 12:35  Addressing ICU Cognitive Impairments:
Latest Rehab Evidence
Kelly Casey, OTD, OTR/L, BCPR, ATP
12:35 - 12:50  Communication & Cognition in the ICU:
Latest Updates from SLP
Nicole Frost, MA, CCC-SLP, BCS-S
12:50 - 1:10  Question & Answer
1:10 - 2:30  LUNCH
1:30 - 2:30  JH-AMP Framework: Addressing Hospital Immobility:
Meet the Expert with Michael Friedman, PT, MBA

Session 4
Delirium & Psychological Issues for ICU Rehab: Latest Updates
2:30 - 2:50  Sedation & Delirium in the ICU: Recent Publications
Dale Needham, FCPA, MD, PhD
2:50 - 3:10  Rehabilitation Psychology:
Research Updates & Case Study
Megan Hosey, PhD
3:10 - 3:20  Question & Answer
3:20 - 4:00  Networking Sessions (PT, OT, SLP, RN) & BREAK
(Light Refreshments)

Session 5
Oral Abstract Presentations #1
4:00 - 5:00  Oral Abstract Presentations with Question & Answer
5:00 - 5:10  Wrap-Up by Dale Needham, FCPA, MD, PhD
Welcome & Opening Remarks
8:30 - 8:40 Welcome by Dale Needham, FCPA, MD, PhD

**Session 1**
Video Case Study with Multi-Disciplinary Team
8:40 - 9:20 Multi-Disciplinary Integrated Therapy Care in the ICU
   Deadria Clarke, RRT, Alexandra Hayman, PT, DPT, Chrissy Kostura, MA, CCC-SLP, CBIS, Marybeth Moscirella, OTD, OTR/L, BCPR
9:20 - 9:35 Question & Answer

**Session 2**
Next Steps for Post-Conference Success
9:35 - 9:45 Helpful Resources for ICU Rehabilitation
   Dale Needham, FCPA, MD, PhD
9:45 - 10:25 Break (Light Refreshments)

**Session 3**
Workshops with Multi-Disciplinary ICU Rehabilitation Experts
10:25 - 12:25 Four Simultaneous Workshops
   **Workshop 1** Culture Change to Advance Sedation, Delirium, & Mobility Practice
   Facilitator: Dale Needham, FCPA, MD, PhD
   **Workshop 2** Rehabilitation Issues in Adult Surgical & Cardiac ICUs
   Facilitator: Paul Ricard, PT, DPT, CCS
   **Workshop 3** Rehabilitation Issues in an Adult Medical ICU
   Facilitator: Alexandra Hayman, PT, DPT
   **Workshop 4** Rehabilitation Issues in a Neurological ICU
   Facilitator: Sowmya Kumble, PT, DPT, NCS
   12:25 - 1:40 Lunch & Poster Viewing #2
   12:40 - 1:40 Functional Outcome Measurement across the Hospital: Meet the Expert Annette Lavezza, OTR/L

**Session 4**
Oral Abstract Presentations #2
1:40 - 2:40 Oral Abstract Presentations with Question & Answer

**Session 5**
ICU Patients After the ICU: What Have We Learned in the Last Year?
2:40 - 3:00 Activity & Mobility Promotion throughout the Hospital
   Michael Friedman, PT, MBA
3:00 - 3:20 Updates in ICU Survivorship
   Jack Iwashyna, MD, PhD
3:20 - 3:40 Post-ICU Follow-Up Clinics: Recent Advances
   Ann Parker, MD, PhD
3:40 - 3:55 Question & Answer
3:55 - 4:00 Conference Wrap-Up by Dale Needham, FCPA, MD, PhD
Adjourn - You will receive an email notification to complete the evaluation form and to attest to the number of hours in attendance.

The Johns Hopkins School of Medicine takes responsibility for the content, quality and scientific integrity of this CME activity. This schedule is subject to change.
**SPEAKERS**

**ACTIVITY DIRECTOR**

Dale Needham, FCPA, MD, PhD  
Professor  
Division of Pulmonary and Critical Care Medicine  
Department of Physical Medicine and Rehabilitation  
Medical Director, Critical Care Physical Medicine and Rehabilitation Program  
Johns Hopkins School of Medicine

**PLANNING COMMITTEE**

Kelly Casey, OTRD, OTR/L, BCPR, ATP  
Occupational Therapist  
Rehabilitation Therapy Manager  
Director of the Johns Hopkins Acute Care Occupational Therapy Fellowship  
The Johns Hopkins Hospital

Annette Lavezza, OTR/L  
Director, Inpatient Therapy Services  
Physical Medicine and Rehabilitation  
The Johns Hopkins Hospital

Victor Dinglas, MPH  
Research Associate,  
Johns Hopkins University School of Medicine  
Assistant Director,  
Outcomes After Critical Illness and Surgery (OACIS) Group  
Johns Hopkins School of Medicine

**JOHNS HOPKINS SPEAKERS**

Daniel Brodie, MD  
Professor of Medicine

Michael Friedman, PT, MBA  
Director of Strategic Program Development

Nicole Frost, MA, CCC-SLP, BCS-S  
Rehabilitation Therapy Manager, Acute Care Therapy Services

Kathryn Folliard, RN, BSN, CCRN  
Nurse Manager

Maddie Gares, MBA, BSN, RN  
Medical Shift Coordinator

Alexandra Hayman, PT, DPT  
Clinical Specialist

Megan Hosey, PhD  
Assistant Professor of Physical Medicine and Rehabilitation

Theodore (Jack) Iwashyna, MD, PhD  
Professor of Medicine

Christine Kostura, MA, CCC-SLP, CBIS  
Team Coordinator

Sowmya Kumble, PT, MPT, NCS  
Clinical Resource Analyst

Marybeth Moscirella, OTD, OTR/L, BCPR  
Occupational Therapist II

Ann Parker, MD, PhD  
Assistant Professor of Medicine

Paul Ricard, PT, DPT, CCS  
Rehabilitation Clinical Specialist

**GUEST SPEAKERS**

Martin Brodsky PhD, ScM, CCC-SLP, F-ASHA  
Section Head, Speech-Language Pathology  
Cleveland Clinic  
Cleveland, Ohio  
Adjunct Associate Professor  
Physical Medicine and Rehabilitation  
Johns Hopkins University

Deadria Clarke, RRT  
Adult Respiratory Care Practitioner  
Northwest Hospital  
Baltimore, Maryland