



*Division of Pulmonary &
Critical Care Medicine, and
Department of Physical
Medicine & Rehabilitation
Present...*

13th Annual

**JOHNS
HOPKINS
CRITICAL CARE
REHABILITATION
CONFERENCE**

November 7 - 8, 2024

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



GENERAL INFORMATION

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.

PROFESSIONAL ASSOCIATIONS



This conference is sponsored by the American Delirium Society



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 sponsored by the Johns Hopkins University School of Nursing



This conference is supported by the Network for Investigation of Delirium: Unifying Scientists

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.



The Johns Hopkins University School of Medicine is an AOTA Approved Provider of professional development. PD activity approval ID# 9698.

This live activity is offered at 1.6 CEUs, Intermediate, OT Service Delivery/Foundational Knowledge. The assignment of AOTA CEUs does not imply endorsement of specific course content, products, or clinical procedures by AOTA.

- **American Speech-Language-Hearing Association (ASHA)**



ASHA CE
APPROVED PROVIDER

Kennedy Krieger Institute

Various Levels

Up to 1.3 ASHA CEUs

PHYSICAL THERAPY CREDITS

- **California:** The 13th Annual Johns Hopkins Critical Care Rehabilitation Conference has been approved by ACEND for 1.5 CEUs. Approved provider ID # ACE2450-01 www.acend.org
- The 13th Annual Johns Hopkins Critical Care Rehabilitation Conference for Johns Hopkins School of Medicine for **Florida Board of Physical Therapy Practice** professionals has been registered. **CE Broker Tracking #:** 20-1204280
- The Illinois Chapter Continuing Education Committee has certified that this course meets the criteria for approval of Continuing Education offerings established by **The Illinois Physical Therapy Association**. Approved CE Hours: 14
- **New York State Education Department Office of the Professions** has approved Johns Hopkins University School of Medicine as a sponsor of continuing education for physical therapists and physical therapist assistants.
- Johns Hopkins University School of Medicine is an approved provider of Continuing Competence Activities through the **APTA North Carolina**. Course Number: **24-0530-033S** for up to 12 contact hours.
- **The Ohio Physical Therapy Association (OPTA)** has approved this course for 16 hours. Approval number 24S2088. Effective Date: 11/7/2024 to 11/7/2025.
- **Pennsylvania:** This activity has been pre-approved by the State Board of Physical Therapy.
- **American Physical Therapy Association of Tennessee** has approved this activity for 1.6 CEUs (16 contact hours) from November 8, 2024- November 7, 2025. Approval Number #2024-121 for Class I Continuing Competency Requirement
- This activity has been approved by the **Texas Board of Physical Therapy Examiners** for 16 CCUs for PTs and PTAs. Course approval number is 78980TX.
- **Virginia Board of Physical Therapy** accepts *AMA PRA Category 1 Credits*[™] from organizations accredited by the ACCME.
- **The following do not pre-approve CE courses. Licensees must self-report:**
 - Connecticut State Department of Public Health
 - Michigan Board of Physical Therapy
 - Washington State Department of Health

IN SUBMISSION

- **Maryland State Board of Physical Therapy Examiners**
- **New Jersey State Board of Physical Therapy Examiners**

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**.

The registration fee includes lunches, and refreshments during morning and afternoon breaks

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](https://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.

	Early Bird Until June 30, 2024	Regular Pricing After June 30, 2024
Johns Hopkins Critical Care Rehabilitation Conference (All-New Content for 2024)	\$370.00	\$495.00
November 7-8, 2024		

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.

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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Check out our mobile app CloudCME.
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>

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/3uGKX6U>—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> 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

800 North Wolfe Street
Baltimore, Maryland 21205 (443) 524-8400

**HOTEL RESERVATION CUT-OFF
DATE: OCTOBER 7, 2024**

Make your reservation online at <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.

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.

PROGRAM

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**

Friday, November 8, 2024

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, MPT, 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.



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, OTD, 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