

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

**13<sup>th</sup> 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

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## 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 endorsed by the American Thoracic Society



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)*<sup>™</sup>. 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*<sup>™</sup> 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*<sup>™</sup> 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](http://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
- This course has been approved by the **Maryland Board of Physical Therapy Examiners** for 13.5 Continuing Education Hours.
- **New Jersey State Board of Physical Therapy Examiners:** This course was approved for 16 continuing education credits. NJBPTE Course Approval Number: 2405-29.
- **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*<sup>™</sup> 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

# PAYMENT AND REGISTRATION INFORMATION

## REGISTRATION

Thursday, November 7, 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
<b>Johns Hopkins Critical Care Rehabilitation Conference (All-New Content for 2024)</b>	<b>\$370.00</b>	<b>\$495.00</b>
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](mailto: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>

## 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.

### 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.

### EMERGENCY CALLS

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



# 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 Mosciarella, 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