

# CONTINUING MEDICAL EDUCATION

Division of Pulmonary and Critical Care Medicine, and  
Department of Physical Medicine & Rehabilitation present:



Walking on treadmill with VA-ECMO via bilateral femoral access and  
percutaneous ventricular assist device via right axillary access

## 14<sup>th</sup> Annual Johns Hopkins Critical Care Rehabilitation Conference

**November 6 – 7, 2025**

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. There can be '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 therapy practitioners (PT/PTA), occupational therapy practitioners (OT/COTA), 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 psychology 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.

## 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



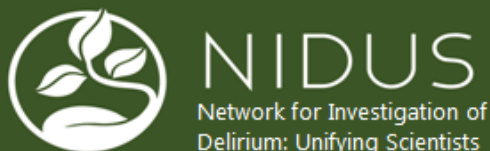
This conference is supported by the American Speech-Language-Hearing Association



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 14 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

## 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. All disclosures can be found on the course webpage:

<https://hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=58796>

## 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 14 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.

## PHYSICAL THERAPY CREDITS

- **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

- American Occupational Therapy Association (AOTA)
- American Speech-Language-Hearing Association (ASHA)
- APTA North Carolina.
- California: ACEND
- Florida Board of Physical Therapy Practice professionals
- The Illinois Physical Therapy Association.
- Maryland State Board of Physical Therapy Examiners
- New Jersey State Board of Physical Therapy Examiners
- New York State Education Department Office of the Professions
- Ohio Physical Therapy Association (OPTA)
- Pennsylvania State Board of Physical Therapy
- Texas Board of Physical Therapy Examiners
- Virginia Board of Physical Therapy

## 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 16, 2025.**



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 6, 2025 – 7:30 a.m. – 8:30 a.m.

## FEES

Registration Cut-off Date: **November 6, 2025 at 5:00pm EST**

### Register Online:

<https://hopkinscme.cloud-cme.com/course/courseoverview?P=0&EID=58796>

**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 **September 12, 2025**.

The registration fee includes instructional materials, lunches, and refreshments during morning and afternoon breaks. No breakfast is included.

## 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 Sept. 12, 2025	Regular Pricing After Sept. 12, 2025
<b>Johns Hopkins Critical Care Rehabilitation Conference (All-New Content for 2025)</b>	<b>\$465.00</b>	<b>\$550.00</b>
November 6-7, 2025		

You will receive a confirmation by e-mail. If you have not received confirmation by October 31, 2025, 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 16, 2025.**

## LATE FEE AND REFUND POLICY

A \$50 late fee applies to registrations received after 5:00 p.m. ET on October 31, 2025. A handling fee of \$50 will be deducted for cancellation. Refund requests must be received by fax or mail by October 31, 2025. 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=58796>

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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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=58796>

## HOTEL AND TRAVEL INFORMATION

### LORD BALTIMORE HOTEL

20 West Baltimore Street (410) 539-8400  
Baltimore, Maryland 21201

**HOTEL RESERVATION CUT-OFF DATE: OCTOBER 6, 2025**

Make your reservation online at <http://bit.ly/icurehab2025Lordbaltimore> or call the hotel directly and specify that you are attending the **Johns Hopkins Critical Care Rehabilitation Conference** to receive the special group rate of **\$139**, single or double, plus tax.

### HILTON GARDEN INN BALTIMORE-HARBOR EAST

625 South President Street (410) 392-9020  
Baltimore, Maryland 21202

**HOTEL RESERVATION CUT-OFF  
DATE: OCTOBER 6, 2025**

Make your reservation online at <https://bit.ly/icurehab2025Hilton> or call the hotel directly and specify that you are attending the **Johns Hopkins Critical Care Rehabilitation Conference** to receive the special group rate of **\$139** for single or double occupancy, plus tax.

### RESIDENCE INN BALTIMORE

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

**HOTEL RESERVATION CUT-OFF  
DATE: OCTOBER 6, 2025**

Make your reservation online at <https://bit.ly/icurehab2025ResidenceInn> or call the hotel directly and specify that you are attending the **Johns Hopkins Critical Care Rehabilitation Conference** to receive the special group rate of **\$160** for a one bedroom king suite, plus tax.

## 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 6-7, 2025, direct emergency calls to the Hopkins registration desk, (410) 955-3673. Messages will be posted for participants.

# PROGRAM

Thursday, November 6, 2025



7:30 - 8:30 **Registration (No Breakfast provided)**

## Session 1

*Welcome & Patient Interview*

8:30 - 8:45 **Welcome & Conference Goals**  
Dale Needham, FCPA, MD, PhD  
8:45 - 9:25 **Patient Interview, and Question & Answer**

## Session 2

*Latest Advances in Research & Practice for ICU Mobilization*

9:25 - 9:45 **ICU Rehabilitation: Updates over Past Year**  
Dale Needham, FCPA, MD, PhD  
9:45 - 10:05 **ICU Nurses & Early Mobilization: Recent Advances**  
Sheila Miranda, RN  
10:05 - 10:25 **ECMO Rehab: Latest Updates**  
Daniel Brodie, MD  
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 **Functional Activity in the ICU: OT Updates**  
Kelly Casey, OTD, OTR/L, BCPR, ATP  
12:00 - 12:15 **Recent Updates in SLP for Swallowing and Voice**  
Martin Brodsky, PhD, ScM, CCC-SLP, F-ASHA  
12:15 - 12:35 **Cognitive Issues in the ICU: Latest Evidence from OT**  
Kelly Casey, OTD, OTR/L, BCPR, ATP  
12:35 - 12:50 **SLP Addressing ICU Communication & Cognition: The Latest Evidence**  
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: Research Advances**  
Dale Needham, FCPA, MD, PhD  
2:50 - 3:10 **Rehabilitation Psychology: Recent Studies & Cases**  
Megan Hosey, PhD  
3:10 - 3:25 **Question & Answer**  
3:25 - 4:00 **Social & Networking Event (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 - 5:15 **Wrap-Up by Dale Needham, FCPA, MD, PhD**



# Friday, November 7, 2025

## 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 **In-depth Case Study of Interdisciplinary ICU Rehabilitation**  
Alexandra Hayman, PT, DPT, Christine Kostura, MA, CCC-SLP,  
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 **Poster Viewing #2 & BREAK (Light Refreshments)**

## Session 3

### Workshops with Multi-Disciplinary ICU Rehabilitation Experts

10:25 - 12:25 **Five Simultaneous Workshops**

**Workshop 1 Culture Change to Advance Sedation, Delirium, & Mobility Practice**  
Facilitator: Dale Needham, FCPA, MD, PhD

**Workshop 2 Rehabilitation Issues in Surgical & Cardiac ICUs**  
Facilitator: Paul Ricard, PT, DPT, CCS

**Workshop 3 Rehabilitation Issues in Medical ICUs**  
Facilitator: Alexandra Hayman, PT, DPT

**Workshop 4 Rehabilitation Issues in Neurological ICUs**  
Facilitator: Sowmya Kumble, PT, MPT, NCS

**Workshop 5 Inter-professional Mobility in the ICU and Beyond - the JH-AMP Framework**  
Facilitator: Michael Friedman, PT, MBA & Annette Lavezza, OTR/L

12:25 - 1:40 **LUNCH**

12:40 - 1:40 **Rehabilitation Care Model:  
Reducing Variability & Inefficiencies:  
Meet the Expert with 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 **In-Hospital Rehab After the ICU:  
Bridging the Gap Between Expectation & Reality**  
Annette Lavezza, OTR/L

3:00 - 3:20 **Understanding ICU Survivorship: Recent Advances**  
Jack Iwashyna, MD, PhD

3:20 - 3:40 **Post-ICU Follow-Up Clinics: Latest Updates**  
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 registration desk will remain open during conference hours.

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.



## 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  
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

Senior Director of Strategic Program Development

### Nicole Frost, MA, CCC-SLP, BCS-S

Rehabilitation Therapy Manager,  
Acute Care Therapy Services

### 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

Team Coordinator

### Sowmya Kumble, PT, MPT, NCS

Clinical Resource Analyst

### Sheila Miranda, RN

Program Coordinator,  
Clinical Informatics

### 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