



DIVISION OF PULMONARY AND CRITICAL CARE MEDICINE AND
DEPARTMENT OF PHYSICAL MEDICINE AND REHABILITATION
Present the

Fifth Annual: JOHNS HOPKINS CRITICAL CARE REHABILITATION CONFERENCE

This activity has been approved for AMA PRA Category 1 Credits™.

This conference is endorsed by
the American Thoracic Society.

This conference is endorsed by the
American Physical Therapy Association.



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American Physical Therapy Association



November 3 - 5, 2016

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



JOHNS HOPKINS
MEDICINE

COURSE DESCRIPTION

Interdisciplinary collaboration and coordination is vital to facilitate early mobility and rehabilitation in the intensive care unit (ICU) setting. A recent 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 course will bridge the interdisciplinary gap from research to clinical implementation at the bedside.

WHO SHOULD ATTEND

This activity is intended for physicians (critical care, pulmonologists, physiatrists, psychiatrists), physical therapists, occupational therapists, rehabilitation assistants, speech language pathologists, respiratory therapists, nurse practitioners, nurses, psychologists, physician assistants, and hospital administrators.

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

OTHER CREDIT

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

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

American Academy of Physician Assistants (AAPA) accepts certificates of participation for educational activities certified for AMA PRA Category 1 Credit™ from organizations accredited by the ACCME. Physician assistants may receive a maximum of 19.25 AAPA Category 1 credits for completing this program.

The application for **American Occupational Therapy Association, Inc. (AOTA)** CEUs is currently pending approval.

Application has been made to the **American Association for Respiratory Care (AARC)** for continuing education contact hours for respiratory therapists.

The Johns Hopkins University has approved this activity for 19.25 **contact hours for non-physicians**.

EVALUATION

A form will be available to attendees to evaluate each session and each speaker's presentation, as well as to identify future educational needs.

OUTCOMES SURVEY

A survey will be sent to all physician attendees within three months post activity to assist us in determining what impact this activity had on the attendee's practice.

EMERGENCY CALLS

On November 3-5, 2016, direct emergency calls to the Hopkins registration desk, (410) 955-3673. Messages will be posted for participants.

AMERICANS WITH DISABILITIES ACT

The Johns Hopkins University 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.*

OBJECTIVES

After attending this activity, the participant will demonstrate the ability to:

- Appraise the evidence supporting early rehabilitation and mobility in critically ill adults and children.
- Describe and discuss how to change ICU culture and clinical practice to implement an early rehabilitation program for critically ill adults and children using a quality improvement framework.
- Describe the management of ICU devices and monitoring systems for rehabilitation of an ICU patient.
- Explain medications commonly used in the ICU and their implications for delivery of rehabilitation.
- Describe the basics of mechanical ventilation and its relevance to rehabilitation of the ICU patient.
- Explain rehabilitation-related assessments suitable for the ICU patient.
- Discuss how to achieve a culture of mobility through hospital-wide activity and mobility promotion.
- Describe the impact and challenges of ICU survivorship on patients and their families.
- Appraise the latest evidence on long-term physical outcomes after critical illness.
- Explain the tenets and methods of a structured quality improvement process for developing and implementing an early ICU rehabilitation program in an adult and pediatric ICU.
- Describe the adult and pediatric nursing perspective and role in the implementation of early mobility in an ICU.
- Explain current practice and inter-disciplinary roles of physical therapy, occupational therapy, speech language pathology and respiratory therapy in an early adult and pediatric ICU rehabilitation program.
- Describe rehabilitation strategies for critically ill pediatric patients with traumatic brain injuries, cardiac and pulmonary compromise, and within a pediatric burn and a neonatal ICU.
- Describe the management of sedation, delirium, anxiety and engagement of patients for ICU mobility.
- Explain the principles of clinical decision-making for safe and effective early rehabilitation in the ICU.

Physical Therapy

The **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.

Applications for CE Credits have been submitted to the **Federation of State Boards of Physical Therapy (FSBPT), Maryland Board of Physical Therapy, New Jersey State Board of Physical Therapy Examiners, Pennsylvania State Board of Physical Therapy** and the **Texas Physical Therapy Association**.

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. A certificate for CEUs will be awarded upon completion of this Fifth Annual Johns Hopkins Critical Care Rehabilitation Conference.

Professional Counselors and Therapists

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 University School of Medicine that the speaker and provider disclose real or apparent conflicts of interest relating to the topics of this educational activity, and also disclose discussions of unlabeled/unapproved uses of drugs or devices during their presentation(s). The Johns Hopkins University School of Medicine OCME has established policies in place that will identify and resolve all conflicts of interest prior to this educational activity. Detailed disclosure will be made in the activity handout materials.

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.

TO REGISTER or FOR FURTHER INFORMATION

Register Online (credit card and eCheck)

www.HopkinsCME.edu

Register by Phone (credit card only)

(410) 502-9636

Register by Fax

(866) 510-7088

Confirmation/Certificates

(410) 502-9636

General Information

(410) 955-2959

E-mail the Office of CME

cmenet@jhmi.edu

Follow us on Twitter: <http://twitter.com/HopkinsCME>

Facebook: <http://www.facebook.com/HopkinsCME>

Sponsoring Department Website: www.hopkinsmedicine.org/OACIS

For general information, the direct link for this CME activity web page is:

<http://www.hopkinscme.edu/>

GENERAL INFORMATION

REGISTRATION

PRE-CONFERENCE Thursday, November 3, 2016 – 7:00 a.m.

MAIN CONFERENCE Friday, November 4, 2016 – 7:30 a.m.

LOCATION

Thomas B. Turner Building

Johns Hopkins University School of Medicine
720 Rutland Avenue
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 and travel section at www.HopkinsCME.edu. Handicapped parking is available in the nearby Rutland Garage. *Johns Hopkins is smoke-free.*

FEES

Please register early, space is limited.

REGISTRATION CUT-OFF DATE - OCTOBER 28, 2016

Methods of Payment: Payment by check or credit card must accompany the registration form prior to the activity. On-site payments by credit card only. Foreign payments must be by credit card or with a U.S. Dollar World Money Order. The registration fee includes instructional materials, continental breakfast(s), refreshment breaks and lunches.

| | Allied Health PA, NP, PT, OT, SLP, Nurses *Residents/*Fellow Physicians | | Attending Physicians | |
|--|--|-----------------|----------------------|-----------------|
| | Early Bird Pricing | Regular Pricing | Early Bird Pricing | Regular Pricing |
| Pre-Conference November 3 AM ONLY | \$110 | \$140 | \$145 | \$180 |
| Pre-Conference November 3 PM ONLY | \$110 | \$140 | \$145 | \$180 |
| Main Conference November 4-5 | \$385 | \$480 | \$520 | \$650 |
| Main Conference & 1 Pre-Conference | \$470 | \$590 | \$630 | \$790 |
| Full Conference November 3-5 | \$545 | \$680 | \$720 | \$900 |

* with verification of status

You will receive a confirmation by e-mail if you have provided your e-mail address. Otherwise confirmation will be sent by mail. If you have not received it by October 28, 2016, call (410) 502-9636 to confirm that you are registered. A certificate of attendance will be sent by December 20, 2016 to the e-mail address you provide on the registration form.

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.

LATE FEE AND REFUND POLICY

A \$50 late fee applies to registrations received after 5:00 p.m. ET on October 28, 2016. A handling fee of \$50 will be deducted for cancellation. An additional fee may apply for cancellation of other events, including workshops and social activities. Refund requests must be received by fax or mail by October 28, 2016. No refunds will be made thereafter. Transfer of registration to another Johns Hopkins conference in lieu of cancellation is not possible.

SYLLABUS

All registrants will receive a booklet with general information. In an effort to remain environmentally conscious, printed syllabi will not be available this year. A link to the e-syllabus will be made available to all registrants prior to the conference.

HOTEL AND TRAVEL INFORMATION

LORD BALTIMORE HOTEL

20 West Baltimore Street
Baltimore, Maryland 21201
Web Site: www.lordbaltimorehotel.com

(855) 539-1928
(410) 539-8400

HOTEL RESERVATION CUT-OFF DATE: OCTOBER 3, 2016

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

The Lord Baltimore Hotel, a newly renovated historic hotel in the heart of Baltimore's business district, is connected to the Inner Harbor and Convention Center via skywalks, just two blocks from Oriole Park at Camden Yards. Make your reservation online at www.lordbaltimorehotel.com and use group code 1611CRCARE 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 \$119, single or double, plus tax. Overnight hotel guest parking is included in the room rate. The daily self-parking rate for guests not staying overnight is \$15 at 213 West Fayette Street. *Check-in time is 3:00 p.m. Check-out time is 12:00 noon.*

HILTON GARDEN INN BALTIMORE

Harbor East
625 South President Street
Baltimore, Maryland 21202
Web Site: www.baltimoreinnerharbor.stayhgi.com

(888) 429-7482
(410) 234-0065
FAX: (410) 234-0299

HOTEL RESERVATION CUT-OFF DATE: OCTOBER 3, 2016

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

The Hilton Garden Inn Baltimore Inner Harbor, pleasantly situated in Harbor East, blends well with its fashionable surroundings and offers excellent accommodations within walking distance of downtown Baltimore. Make your reservation online at www.baltimoreinnerharbor.stayhgi.com and use group code CCR 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 \$154, single or double, plus tax. On-site parking is available at an additional charge. *Check-in time is 3:00 p.m. Check-out time is 12:00 noon.*

SHERATON INNER HARBOR HOTEL

300 South Charles Street
Baltimore, Maryland 21201
Web Site: www.sheraton.com/innerharbor

(888) 962-8300
(410) 962-8300
FAX: (410) 962-8211

HOTEL RESERVATION CUT-OFF DATE: OCTOBER 3, 2016

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

The Sheraton Inner Harbor Hotel is centrally located in the heart of Baltimore's Inner Harbor. The official hotel of the Baltimore Orioles is just one block from the Convention Center, Harborplace and sport complexes. Make your reservation online at www.sheraton.com/innerharbor 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 \$169, single or double, plus tax. On-site parking is available at an additional charge. *Check-in time is 3:00 p.m. Check out time is 12:00 noon.*

BALTIMORE MARRIOTT WATERFRONT

700 Aliceanna Street
Baltimore, Maryland 21202
Web Site: www.baltimoremarriottwaterfront.com

(800) 228-9290
(410) 385-3000
FAX: (410) 385-0330

HOTEL RESERVATION CUT-OFF DATE: OCTOBER 3, 2016

A limited block of sleeping rooms has been reserved for your convenience and will be available on a first come, first served basis.

The Baltimore Marriott Waterfront Hotel is Baltimore's only waterfront hotel. This full-service 32-story landmark is located near all the Inner Harbor attractions. Make your reservation online at www.baltimoremarriottwaterfront.com 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 \$179, single or double, plus tax. On-site parking is available at an additional charge. *Check-in time is 4:00 p.m. Check-out time is 12:00 noon.*

TRANSPORTATION

Registrants are responsible to arrange their own transportation to and from the conference venue.

THURSDAY, NOVEMBER 3, 2016

7:00 - 7:55 Registration for Pre-Conference and Continental Breakfast

Simultaneous morning tracks. Pick one.

MORNING TRACK 1

The Basics: Creating and Sustaining an Early Rehabilitation Program

7:55 - 8:00 Welcome and Opening Remarks
Jennifer Zanni, PT, DScPT, CCS

SESSION 1

Rationale and Evidence for Early Rehabilitation

8:00 - 8:20 ICU Acquired Weakness, and Long Term Patient Outcomes
Ann Parker, MD, PhD

8:20 - 8:40 The Evidence for Early Rehabilitation in the ICU
Jennifer Zanni, PT, DScPT, CCS

8:40 - 9:00 Culture Change to Promote Early Rehabilitation in the ICU
Jennifer Zanni, PT, DScPT, CCS

9:00 - 9:15 Role of Nursing
Sam Young, MS, RN

9:15 - 9:35 Overview of Sedation and Delirium Issues
Karin Neufeld, MD, MPH

9:35 - 9:55 Questions and Answers

9:55 - 10:25 Coffee Break

SESSION 2

Implementing and Sustaining an ICU Rehabilitation Program

10:25 - 10:45 Role of Physical Therapy
Jennifer Zanni, PT, DScPT, CCS

10:45 - 11:05 Role of Occupational Therapy
Kelly Casey, OTD, OTR/L, ATP

11:05 - 11:25 Role of Speech-Language Pathology
Therese Kling-Cole, MA, CCC-SLP

11:25 - 11:45 Role of Respiratory Therapy
Heather O'Donnell, RRT

11:45 - 12:05 Questions and Answers

12:05 - 1:35 Lunch Break and Networking (Boxed Lunch Provided)

MORNING TRACK 2

Quality Improvement for Early Rehabilitation

7:55 - 8:00 Welcome and Opening Remarks
Dale Needham, MD, PhD

SESSION 1

Tenets of Quality Improvement

8:00 - 8:20 The Value Equation, An Essential Consideration for Rehabilitation Quality Improvement (QI)
Michael Friedman, PT, MBA

8:20 - 8:40 General Background on QI and Knowledge Translation (KT): A Model for QI/KT Research
Dale Needham, MD, PhD

8:40 - 9:00 Choosing a QI Topic - Choosing Your Question
Quincy Samus, PhD, MS

9:00 - 9:10 How to Review a Report of a QI/KT Project
Dale Needham, MD, PhD

9:10 - 9:25 Case Studies in QI/KT
Dale Needham, MD, PhD

9:25 - 9:40 Questions and Answers

9:40 - 10:10 Coffee Break

SESSION 2

Methods of Quality Improvement

10:10 - 10:25 Identifying Barriers and Facilitators to QI Interventions
Lisa Lubomski, PhD

10:25 - 10:40 Designing a QI Intervention
Quincy Samus, PhD, MS

10:40 - 11:05 Measurement and Data Quality in QI
Dale Needham, MD, PhD

11:05 - 11:25 Qualitative and Mixed-Methods Approaches for QI
Michelle Eakin, PhD

11:25 - 11:50 Culture Change for the Implementation of QI
Melinda Sawyer, MSN, RN, CNS-BC

11:50 - 12:05 Questions and Answers

12:05 - 1:35 Lunch Break and Networking (Boxed Lunch Provided)

Simultaneous afternoon tracks. Pick one.

AFTERNOON TRACK 1

Management of the Patient with Critical Illness: An Introduction for Rehabilitation Professionals

SESSION 1

ICU Equipment and Strategies

1:35 - 2:00 Overview of the Evidence for Early Rehabilitation
Jennifer Zanni, PT, DScPT, CCS

2:00 - 2:25 Lines, Tubes, Drains and ICU Monitoring Systems
Amy Toonstra, PT, DPT

2:25 - 2:55 Understanding Mechanical Ventilation
Heather O'Donnell, RRT

2:55 - 3:20 Functional Assessment Measures
Paul Ricard, PT, DPT, CCS

3:20 - 3:40 Questions and Answers

3:40 - 4:10 Coffee Break

SESSION 2

Medications, Cognition and Measures

4:10 - 4:35 Critical Care Medications
Amy Toonstra, PT, DPT

4:35 - 5:00 Communication, Cognition and Delirium Assessment
Kelly Casey, OTD, OTR/L, ATP and Therese Cole, MA, CCC-SLP

5:00 - 5:25 Progression of Mobility and Activity for the ICU Patient
Jennifer Zanni, PT, DScPT, CCS

5:25 - 5:40 Questions and Answers

5:40 - 5:50 Day 1 Wrap-Up
Jennifer Zanni, PT, DScPT, CCS

AFTERNOON TRACK 2

Achieving a Culture of Mobility Through Activity and Mobility Promotion Across the Hospital

SESSION 1

The Evidence and Environment to Support Activity and Mobility Promotion in the Acute Hospital

Michael Friedman, PT, MBA; Erik Hoyer, MD; Annette Lavezza, OTR/L

1:35 - 1:45 Introduction to the Johns Hopkins Activity and Mobility Promotion Hospital Bundle

1:45 - 2:00 The Evidence for Activity and Mobility Promotion in the Hospital

2:00 - 2:15 Integrating the Value of Activity and Mobility Promotion Into Existing Hospital Initiatives

2:15 - 2:30 Systematic Data Collection and Leveraging the Electronic Medical Record

2:30 - 2:40 Questions and Answers

SESSION 2

Barriers to and Measurement of Function for Activity and Mobility Promotion

Michael Friedman, PT, MBA; Erik Hoyer, MD; Annette Lavezza, OTR/L

2:40 - 3:00 Methods to Assess Barriers to Activity and Mobility Promotion Implementation

3:00 - 3:15 Interdisciplinary Functional Assessments for Activity and Mobility Promotion

3:15 - 3:30 Measurement Tools for Functional Assessments

3:30 - 3:40 Questions and Answers

3:40 - 4:10 Coffee Break

SESSION 3

4Es for the Implementation of the Activity and Mobility Promotion Toolkit

Michael Friedman, PT, MBA; Erik Hoyer, MD; Annette Lavezza, OTR/L

4:10 - 4:25 Education and Involving Family and Caregivers in Activity and Mobility Promotion

4:25 - 4:45 Developing Multi-Disciplinary Education for Activity and Mobility Promotion

4:45 - 5:00 The Role of the Physical and Occupational Therapists as Consultants

5:00 - 5:20 Evaluate and Engage - Reinforcing Culture Through Data

5:20 - 5:30 Future Directions and Closing Remarks

5:30 - 5:40 Questions and Answers

5:40 - 5:50 Day 1 Wrap-up
Michael Friedman, PT, MBA

FRIDAY, NOVEMBER 4, 2016

- 7:30 - 8:30 Registration for Main Conference, Continental Breakfast and Poster Viewing
- 8:30 - 8:45 Welcome and Opening Remarks
Dale Needham, MD, PhD
- 8:45 - 9:00 Primer on Social Media

PATIENT AND FAMILY INTERVIEW

SESSION I

A Patient and Family Perspective on Multidisciplinary ICU Rehabilitation

- 9:00 - 9:25 Patient and Family Interview – Adolescent Patient
Moderator: Sapna Kudchadkar, MD
- 9:25 - 9:40 Questions and Answers
- 9:40 - 10:20 Coffee Break and Poster Viewing

Simultaneous tracks. Pick one.

ADULT ICU CONTENT

SESSION 2

Recent Advances in Research and Practice

- 10:20 - 10:45 Long-Term Physical Outcomes for ICU Survivors
Dale Needham, MD, PhD
- 10:45 - 11:05 PT Interventions in the ICU
Jennifer Zanni, PT, DScPT, CCS
- 11:05 - 11:25 SLP Interventions in the ICU
Therese Kling-Cole, MA, CCC-SLP
- 11:25 - 11:45 OT Cognitive Interventions in the ICU
Kelly Casey, OTD, OTR/L, ATP
- 11:45 - 12:00 Questions and Answers
- 12:00 - 1:30 Poster Viewing and Networking (Boxed Lunch Provided)

SESSION 3

Recent Advances in Research and Practice II

- 1:30 - 1:50 Respiratory Therapy for Early Rehabilitation and Case Studies
Heather O'Donnell, RRT
- 1:50 - 2:10 Nursing Protocols for Early ICU Mobility
Cindy Dwyer, RN, BSN
- 2:10 - 2:30 Clinical Decision Making for Mobilizing the Critically Ill Patients
Jennifer Zanni, PT, DScPT, CCS
- 2:30 - 2:45 Questions and Answers

SESSION 4

Psychological Considerations for ICU Rehabilitation

- 2:45 - 3:10 Recent Advances in Sedation and Delirium
Dale Needham, MD, PhD
- 3:10 - 3:30 Rehabilitation Psychology: Case Studies in Delirium and Anxiety Management
Megan Hosey, PhD
- 3:30 - 3:45 Questions and Answers
- 3:45 - 4:25 Coffee Break and Poster Viewing

SESSION 5

ABSTRACT PRESENTATIONS, PART I

- 4:25 - 6:10 Abstract Presentations and Question and Answer
- 6:10 - 6:20 Day 2 Wrap-up
Dale Needham, MD, PhD
- 6:30 - 8:30 Social and Networking Event

PEDIATRIC ICU CONTENT

SESSION 2

Pediatric ICU Rehab: Using The Evidence Base to Get Started

- 10:20 - 10:40 Pediatric ICU Rehab: Where We've Come and Where We're Headed
Sapna Kudchadkar, MD
- 10:40 - 10:55 Changing PICU Culture: The Multidisciplinary Pediatric ICU Rehab Team
Judy Ascenzi, DNP, RN
- 10:55 - 11:10 Overview of Pediatric Sedation, Sleep and Delirium Issues
Sean Barnes, MD, MBA
- 11:10 - 11:25 Implementing a Pediatric ICU Rehab Initiative
Beth Wieczorek, DNP, CRNP
- 11:25 - 11:40 Transitioning from Acute Rehabilitation to Long-term Rehabilitation after Pediatric Critical Illness
Frank Pidcock, MD
- 11:40 - 12:00 Questions and Answers
- 12:00 - 1:30 Poster Viewing and Networking (Boxed Lunch Provided)

SESSION 3

Therapy Champions: The Key to Success in Rehab for Critically Ill Children

- 1:30 - 1:45 Physical Therapy and Pediatric ICU Rehabilitation
Hallie Lenker, PT, DPT, STAR/C
- 1:45 - 2:00 Occupational Therapy and Pediatric ICU Rehabilitation
Yun Kim, MS, OTR/L
- 2:00 - 2:15 SLP Interventions in the Pediatric ICU
Jeannine Hoch, MA, CCC-SLP
- 2:15 - 2:30 Questions and Answers

SESSION 4

The Pediatric ICU Team: Translating Mobility Programs into Practice

- 2:30 - 2:45 Pediatric ICU Nurses as Early Rehabilitation Champions
Emily Warren, BSN, RN
- 2:45 - 3:00 Pediatric ICU Rehabilitation: The Role of Child Life Specialists
Caroline Potter, MS, CCLS, CIMI
- 3:00 - 3:15 Respiratory Therapy and Pediatric Mobility Programs
Krista Hajnik, BHSc, RRT
- 3:15 - 3:35 Pediatric Case Studies
Sapna Kudchadkar, MD
- 3:35 - 3:45 Questions and Answers
- 3:45 - 4:25 Coffee Break and Poster Viewing

SESSION 5

- 4:25 - 4:50 Assessment and Treatment of the Pediatric Traumatic Brain Injury in the PICU
Meghan Moore PT, DPT, STAR/C and Emily Rogers, PT, DPT, STAR/C
- 4:50 - 5:15 Promoting Mobility for the Pediatric Patient with Significantly Compromised Cardiac and Pulmonary Systems
Holly Loosen PT, STAR/C and Christy McKinney PT, DPT
- 5:15 - 5:40 Therapeutic Strategies to Promote Functional Mobility for the Burn Patient in the PICU
Joan Jung-D'Amico OTR/L, CIMI, CPST and Kerry Vela, PT, DPT, PCS, CIMI, STAR/C
- 5:40 - 6:05 An Evidence-Based Approach to OT and PT Provision in the NICU
Kerry Vela, PT, DPT, PCS, CIMI, STAR/C and Megan Hauer, STAR/C, CPST, CIMI
- 6:05 - 6:20 Questions and Answers
- 6:30 - 8:30 Social and Networking Event



SATURDAY, NOVEMBER 5, 2016

- 7:30 - 8:25 Continental Breakfast and Poster Viewing
 8:25 - 8:30 Welcome and Opening Remarks
Dale Needham, MD, PhD

SESSION I

A Patient and Family Perspective on Post-ICU Impairment and Recovery

- 8:30 - 9:00 Patient Interview
Moderator: Dale Needham, MD, PhD
 9:00 - 9:15 Questions and Answers

SESSION 2

Practical Advice On Quality Improvement For Early Rehabilitation

- 9:15 - 9:40 Designing, Conducting and Sustaining an ICU Rehabilitation Program
Dale Needham, MD, PhD
 9:40 - 10:00 Implementing the QI Project
Michael Friedman, PT, MBA
 10:00 - 10:15 Questions and Answers
 10:15 - 11:00 Coffee Break and Poster Viewing

SESSION 3

ABSTRACT PRESENTATIONS, PART 2

- 11:00 - 12:30 Abstract Presentations and Question and Answer
 12:30 - 2:00 Poster Viewing and Networking (Boxed Lunch Provided)

SESSION 4

Workshops with Multi-disciplinary ICU Rehabilitation Experts

- 2:00 - 3:30 Workshop 1
 Culture Change to Advance Sedation, Delirium and Mobility Practice
Facilitator: Dale Needham, MD, PhD
 Workshop 2
 Hospital-Wide Activity and Mobility Promotion
Facilitator: Michael Friedman, PT, MBA
 Workshop 3
 Neuropsychiatric Issues in the ICU and Beyond
Facilitator: Megan Hosey, MPH, PhD
 Workshop 4
 Rehabilitation Issues in an Adult Medical ICU
Facilitator: Jennifer Zanni, PT, DScPT, CCS
 Workshop 5
 Rehabilitation Issues in Adult Surgical & Cardiac ICUs
Facilitator: Paul Ricard PT, DPT, CCS
 Workshop 6
 Rehabilitation Issues in the PICU
Facilitators: Sapna Kudchadkar, MD and Julie Quinn, PT, MSED, PCS
 Workshop 7
 Rehabilitation Issues in the Neuro ICU
Facilitator: Sowmya Kumble PT, NCS
 3:30 - 4:00 Break
 4:00 - 4:15 Conference Wrap-Up
Dale Needham, MD PhD

The Johns Hopkins University 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, 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 University School of Medicine

PLANNING COMMITTEE

Michael Friedman, PT, MBA

Director of Rehabilitation
 Therapy Services
 The Johns Hopkins Hospital

Sapna Kudchadkar, MD

Assistant Professor
 Division of Pediatrics, Anesthesiology
 and Critical Care Medicine
 Director, PICU Clinical
 Research Program
 Johns Hopkins University
 School of Medicine

Julie Quinn, PT, MSED, PCS

Physical Therapist, Pediatric
 Rehabilitation Team Leader,
 Johns Hopkins Hospital

Jennifer Zanni, PT, DScPT, CCS

Physical Therapist
 The Johns Hopkins Hospital

JOHNS HOPKINS SPEAKERS

Judith Ascenzi, DNP, RN

Nurse Manager

Sean Barnes, MD, MBA

Clinical Fellow

Kelly Casey, OTD, OTR/L, ATP

Clinical Specialist

Therese Cole, MA, CCC-SLP

Speech Language Pathologist

Cindy Dwyer, RN, BSN

Nurse Clinician

Michelle Eakin, PhD

Assistant Professor

Krista Hajnik, BHSc, RRT

Respiratory Care Practitioner

Megan Hauer, STAR/C, CPST, CIMI

Occupational Therapist

Jeannine Hoch, MA, CCC-SLP

Speech Language Pathologist

Megan Hosey, MPH, PhD

Assistant Professor

Erik Hoyer, MD

Assistant Professor
 Physical Medicine and Rehabilitation
 Johns Hopkins University School of
 Medicine

Joan Jung-D'Amico, OTR/L, CIMI, CPST

Occupational Therapist

Yun Kim, MS, OTR/L, STAR/C, CPST

Occupational Therapist

Sowmya Kumble PT, NCS

Clinical Specialist

Annette Lavezza, OTR/L

Inpatient Rehabilitation Supervisor

Hallie Lenker, PT, DPT, STAR/C

Pediatric Rehabilitation
 Team Coordinator

Holly Loosen, PT, STAR/C

Physical Therapist

Lisa Lubomski, PhD

Assistant Professor

Christy McKinney, PT, DPT

Physical Therapist

Meghan Moore, PT, DPT, STAR/C

Physical Therapist

Karin Neufeld, MD, MPH

Associate Professor

Heather O'Donnell, RRT

Adult Respiratory Care Therapist

Ann Parker, MD, PhD

Clinical Fellow

Frank Pidcock, MD

Associate Professor of Physical
 Medicine and Rehabilitation
 Vice President, Rehabilitation, KKI

Caroline Potter, MS, CCLS, CIMI

Child Life Specialist

Paul Ricard, PT, DPT, CCS

Rehabilitation Team Coordinator

Emily Rogers, PT, DPT, STAR/C

Physical Therapist

Quincy Samus, PhD, MS

Associate Professor

Melinda Sawyer, MSN, RN, CNS-BC

Senior Clinical Quality and
 Innovation Coach

Amy Toonstra, PT, DPT

Physical Therapist

Kerry Vela, PT, DPT, PCS, CIMI, STAR/C

Physical Therapist

Emily Warren, BSN, RN, CCRN

Nurse Clinician

Beth Wiczorek, DNP, CRNP

Nurse Practitioner Manager

Sam Young, MS, RN

Clinical Nurse Specialist

FIFTH ANNUAL JOHNS HOPKINS CRITICAL CARE REHABILITATION CONFERENCE

November 3-5, 2016

To Register: Online (credit card and eCheck): www.HopkinsCME.edu **By fax:** (866) 510-7088 **By phone** (credit card only): (410) 502-9636

Or mail this form to the Johns Hopkins University, Office of Continuing Medical Education, P.O. Box 64128, Baltimore, Maryland 21264-4128.

Include check payable to **HOPKINS/80039445**, or include credit card information below

PAYMENT MUST ACCOMPANY FORM TO CONFIRM YOUR REGISTRATION.

I am a Johns Hopkins speaker for this activity.

Primary Specialty:

- Nurse Physical Therapy Psychology Speech Language Pathology
 Occupational Therapy Physician Respiratory Therapy Other: (Please Specify) _____

Please type or print clearly:

| | | | | |
|---------------------|-------|-----------------|--|---------|
| last name | | first name | | m.i. |
| highest degree | | | Hopkins Faculty/Staff Only/JHED ID Number: | |
| For Physicians Only | NPI # | State License # | State of License: | |
| mailing address | | | | |
| city | | state | ZIP + 4 code | country |
| daytime telephone | | fax number | | |
| e-mail _____ | | | | |

You will receive a confirmation notice and your attendance certificate by e-mail if you provide your e-mail address.

Check here if you wish to receive e-mail notices about upcoming CME activities.

What do you hope to learn by attending this activity? _____

Please notify us if you have any special needs. _____

I plan to attend the Social and Networking event on Friday, November 4, 2016

On Thursday, there will be two different morning tracks and two different afternoon tracks.

Please select one track for the morning and one track for the afternoon:

- Morning Track 1 Afternoon Track 1
 Morning Track 2 Afternoon Track 2

On Friday there will be two different tracks of content.

Please select one track from the list below:

- Adult ICU Content Pediatric ICU Content

Please circle one registration option.

| | Allied Health PA, NP, PT, OT, SLP, Nurses *Residents/*Fellow Physicians | | Attending Physicians | |
|--|--|-----------------|----------------------|-----------------|
| | Early Bird Pricing | Regular Pricing | Early Bird Pricing | Regular Pricing |
| Pre-Conference November 3 AM ONLY | \$110 | \$140 | \$145 | \$180 |
| Pre-Conference November 3 PM ONLY | \$110 | \$140 | \$145 | \$180 |
| Main Conference November 4-5 | \$385 | \$480 | \$520 | \$650 |
| Main Conference & 1 Pre-Conference | \$470 | \$590 | \$630 | \$790 |
| Full Conference November 3-5 | \$545 | \$680 | \$720 | \$900 |

* with verification of status

The registration fee includes instructional materials and food and beverage. For registrations received after **5:00 p.m. ET on October 28, 2016**, include a \$50 late fee. On-site registrations are payable only by credit card.

On Saturday afternoon there will be seven different workshops.

Please select one workshop from the list below:

- Workshop 1 - Culture Change to Advance Sedation, Delirium and Mobility Practice
 Workshop 2 - Hospital-Wide Activity and Mobility Promotion
 Workshop 3 - Neuropsychiatric Issues in the ICU and Beyond
 Workshop 4 - Rehabilitation Issues in an Adult Medical ICU
 Workshop 5 - Rehabilitation Issues in Adult Surgical & Cardiac ICUs
 Workshop 6 - Rehabilitation Issues in the PICU
 Workshop 7 - Rehabilitation Issues in the Neuro ICU

Total amount enclosed \$ _____.

Payment Type:

JHU Faculty/Staff Only: If you are using your Tuition Remission Benefit or an ION budget, please complete this registration form and return with appropriate payment processing form to OCME, Turner 20. Forms can be found on-line at: <http://www.hopkinscme.edu/Resources/resources.aspx>.

- Check** (See instructions on top of form.)
 Credit Card: VISA MASTERCARD DISCOVER AMEX

Card # _____ - _____ - _____ - _____

Exp. Date _____

Name on Card _____

Signature and Date _____