

# Critical Care Update

THURSDAY, JUNE 15, 2023

8:00 AM – 5:00 PM

REGISTRATION OPENS AT 7:30 AM

## Utah Valley Hospital Education Center

Ashton Auditorium

395 W. Cougar Blvd, Provo, UT 84604

*\*In-person and virtual viewing options will be available*



**REGISTER TODAY!**

### PURPOSE STATEMENT:

This conference is designed to educate clinical caregivers on disease processes commonly seen in the critical care environment and discuss current clinical treatment strategies for this patient population.

### TARGET AUDIENCE:

Advanced Practice Providers, Nurses, Physicians, Pharmacists, Respiratory Therapists, and all other caregivers working in critical care.

### PLANNING COMMITTEE:

Colin K. Grissom, MD (Course Director)

Christopher Jones, MHA, BSN, RN (Nurse Planner)

Gabriel V. Fontaine, PharmD, MBA, BCPS, BCCCP (Pharmacy Planner)

Carrie M. Winberg, MSHA, BSRT, RRT

### REGISTRATION:

To register please visit us at:

<https://intermountain.cloud-cme.com/CriticalCare2023> or scan QR code.

If registration assistance is needed, please email [ipce@mail.org](mailto:ipce@mail.org) or call IPCE at 801-507-8470 or toll-free 800-910-7262

**Physicians: \$250**

**Advanced Practice Providers/Pharmacists: \$150**

**All other healthcare personnel: \$20**

Registration is required. In-person and virtual viewing options will be available. Please indicate which way you will be attending during your registration.

**Method of Payment:** credit card or journal entries

### AGENDA

TIME	TITLE AND SPEAKER
7:30 – 8:00 AM	Registration and Breakfast
8:00 – 8:45 AM	<b>Intermountain Canyons Pulmonary and Critical Care in 2023</b> <i>Colin K. Grissom, MD, Professor-Internal Medicine, University of Utah School of Medicine, Senior Medical Director, ICU Operations, Intermountain Healthcare</i> 1. Outline the organizational structure of pulmonary and critical care at Intermountain. 2. Evaluate the progress of integration of pulmonary and critical care across Intermountain. 3. Describe the goals of Intermountain Canyons Critical Care in 2023.
8:45 – 9:30 AM	<b>Pulmonary Hypertension</b> <i>Mark W. Dodson, MD, Adjunct Instructor - Internal Medicine, University of Utah, Pulmonary Disease, Intermountain Healthcare</i> 1. Define current hemodynamic definitions and clinical classification of pulmonary hypertension. 2. Compare treatment options available for patients with differing types of pulmonary hypertension. 3. Discuss management of critically ill patients with pulmonary hypertension.
9:30 – 10:15 AM	<b>Critical Care of the Patient with Interstitial Lung Disease</b> <i>Peter F. Crossno, MD, FACP, FCCP, Adjunct Assistant Professor – Internal Medicine, University of Utah School of Medicine, Pulmonary Disease, Critical Care, Intermountain Healthcare</i> 1. Classify the various interstitial lung diseases (ILDs). 2. Discriminate between acute exacerbations of interstitial lung disease (AE-ILD) from other causes of respiratory failure in the ILD population. 3. Summarize prognostic factors associated with short and long-term outcomes following AE-ILD. 4. Breakdown the indications and limitations of lung transplantation in the critically ill ILD patient population.
10:15 – 10:30 AM	Break and Vendor Hall
10:30 – 11:15 AM	<b>Pulmonary Embolism and PE Response Team (PERT)</b> <i>Jennifer H. Edwards, MD, Critical Care Medicine, Intermountain Healthcare</i> 1. Employ a treatment algorithm for PE according to risk stratification and available therapies. 2. Discriminate between therapies for acute high risk and intermediate-high risk pulmonary embolism (PE) based on the quality of evidence supporting their use. 3. Describe the function, operationalization, and aspirations of a PE Response Team. 4. Demonstrate use of the PE Response Team at Intermountain Health.
11:15 – 12:00 AM	<b>Intracranial Hemorrhage</b> <i>Kyle S. Hobbs, MD, Neurology, Intermountain Healthcare</i> 1. Classify the various types of intracranial hemorrhage (ICH) with a focus on compartment involved. 2. Discuss general emergent management of intracranial hemorrhage, with a focus on the first 6-12 hours. 3. Discriminate between surgical vs non-surgical cases of ICH. 4. Discuss prognostic factors related to ICH and their validity.
12:00 – 12:45 PM	Lunch and Vendor Hall
12:45 – 1:30 PM	<b>Pediatric Critical Care</b> <i>Jon S. Woods, MD, Associate Professor-Pediatric Critical Care, University of Utah School of Medicine, Associate Medical Director, Intermountain Critical Care, Associate Medical Director, Pediatric Intermountain Life Flight</i> 1. Discuss pediatric Critical Care approach to status asthmaticus. 2. Review the diagnostic criteria and clinical feature of status asthmaticus. 3. Compare and contrast treatment options and guidelines in pediatric vs adult patient.
1:30 – 2:15 PM	<b>Non-Invasive Ventilation in the ICU</b> <i>Lindsay M. Leither, DO, Adjunct Assistant Professor – Internal Medicine, University of Utah School of Medicine, Pulmonary Disease, Intermountain Healthcare</i> 1. Identify updates in the management of non-invasive ventilation (NIV) of the adult ICU patient. 2. Discuss the use of NIV for treatment of acute respiratory distress syndrome (ARDS)/acute hypoxic respiratory failure. 3. Review benefits and potential harms of maintaining spontaneous breathing with NIV.

2:15 – 3:00 PM	<b>Sedation and Ambulation in Mechanically Ventilated Patients</b> <i>Bryce L. Ferguson, MD, Pulmonary Disease, Critical Care Medicine, Intermountain Healthcare</i> 1. Summarize the long-term functional outcome of ICU survivors. 2. Analyze outcome data from studies in which critically ill patients are mobilized. 3. Describe the process of implementing an ICU Mobility Initiative in a hospital or ICU.
3:00 – 3:15 PM	Break and Vendor Hall
3:15 – 4:00 PM	<b>Weaning and Liberation from Mechanical Ventilation</b> <i>Michael J. Pearce, MD, FCCP, Adjunct Assistant Professor – Internal Medicine, University of Utah School of Medicine, Pulmonary Disease, Intermountain Healthcare</i> 1. Review the 2017 ATS/ACCP official statement regarding patient liberation from mechanical ventilation. 2. Discuss the use of protocolized spontaneous breathing trial (SBT) as part of the liberation process. 3. Discuss the use of a cuff leak test (CLT) in patient liberation from mechanical ventilation. 4. Discuss the use of non-invasive ventilation (NIV) and High Flow Oxygen as part of the liberation process.
4:00 – 4:45 PM	<b>Ventilator Management</b> <i>Ryoma Tanaka, MD, Critical Care Medicine, Pulmonary Disease, Intermountain Healthcare</i> 1. Recognize acute respiratory distress syndrome (ARDS) and improve compliance with low tidal volume ventilation for those patients. 2. Discuss the ventilatory management of the adult patient and waveform interpretation. 3. Discuss the management of troubles related to mechanical ventilation.
4:45 – 5:00 PM	<b>Future of Pulmonary and Critical Care at Intermountain</b> <i>Colin K. Grissom, MD, Senior Medical Director, ICU Operations, Intermountain Healthcare</i> 1. Formulate the plan for future integration of pulmonary and critical care at Intermountain in areas of education, clinical care, and research.

## ACCREDITATION



Intermountain Healthcare is accredited by the Accreditation Council for Continuing Medical Education (ACCME) to provide continuing medical education for physicians.

### AMA PRA Credit

Intermountain Healthcare designates this live activity for a maximum of 7.75\* AMA PRA Category 1 Credit(s)<sup>™</sup>. Physicians should claim only the credit commensurate with the extent of their participation in the activity.



### Nursing Contact Hours

Intermountain Healthcare is accredited as a provider of nursing continuing professional development by the American Nurses Credentialing Center's Commission on Accreditation.

This live activity offers a maximum of 7.75\* nursing contact hours. Successful completion is attending no less than 1 full session and claiming credit only for sessions attended.

\*Credit hours are subject to change and are based on actual learning hours and at the discretion of IPCE.



### Pharmacy Credit

Accreditation for this educational program is provided by Intermountain Healthcare. Intermountain Healthcare is accredited by the Accreditation Council for Pharmacy Education (ACPE) as a provider of continuing pharmacy education. To receive credit, attendees must complete the post-assessment quiz with a score of 75% or better. Participants must also complete an activity evaluation. All credit will be reported directly to CPE Monitor<sup>™</sup> with 60 days of claiming CPE. Intermountain is not responsible for credit report failure as a result of incorrect NABP or date of birth information. Please contact [ipce@imail.org](mailto:ipce@imail.org) or 801-507-8470 with questions.

Each of the following knowledge-based activities are approved for 0.75 hour (0.075 CEU) of ACPE credit unless otherwise noted:

- Intermountain Canyons Pulmonary and Critical Care in 2023 – *ACPE credit not available for this activity.*
- Pulmonary Hypertension, ACPE UAN 0582-0000-23-010-L01-P
- Care of the Patient with Interstitial Lung Disease, ACPE UAN 0582-0000-23-011-L01-P
- Pulmonary Embolism and PE Response Team (PERT), ACPE UAN 0582-0000-23-012-L01-P
- Intracranial Hemorrhage, ACPE UAN 0582-0000-23-013-L01-P
- Pediatric Critical Care, ACPE UAN 0582-0000-23-014-L01-P
- Non-Invasive Ventilation in the ICU, ACPE UAN 0582-0000-23-015-L01-P
- Sedation and Ambulation in Mechanically Ventilated Patients, ACPE UAN 0582-0000-23-016-L01-P
- Weaning and Liberation from Mechanical Ventilation, ACPE UAN 0582-0000-23-017-L01-P
- Ventilator Management, ACPE UAN 0582-0000-23-018-L01-P
- Future of Pulmonary and Critical Care at Intermountain – *ACPE credit not available for this session.*

## CANCELLATION AND REIMBURSEMENT POLICY

Cancellation and Reimbursement Policy: Full (100%) registration reimbursement for cancellation more than 14 days prior to the beginning of the activity. Half (50%) registration reimbursement for cancellation between four (4) and fourteen (14) days prior to the beginning of the activity. No reimbursement for cancellation three (3) days or less prior to the beginning of the activity.

## EXCEPTIONS

Exceptions may be allowed only under extenuating circumstances and with approval from the IPCE Director, IPCE Medical Director, and AVP for IPCE.

## CONTACT

For more information, email: [ipce@imail.org](mailto:ipce@imail.org) or call 1-801-507-8470; Toll-Free: 1-800-910-7262

Please note that many of our events are hybrid in nature - live and a virtual audience. As such photographs and footage will be taken throughout the event. If you do not want to be captured in these images which will only be used for accredited education to providers of the activity you have signed up for, please sit in the last two rows of the venue.