2018 CRITICAL CARE SYMPOSIUM

Monday-Wednesday
March 26-28, 2018
Memorial Sloan Kettering Cancer Center

www.mskcc.org/CriticalCare
This symposium is designed to provide a general overview of various critical care topics and will include optional simulation based training days using bedside ultrasonography. Lecture Sessions will be held at Zuckerman Research Center on Tuesday, March 27th. Attendees interested in the hands-on workshop will have the option to register for either Monday, March 26th, or Wednesday, March 28th (select one). Both workshop sessions will be held at Rockefeller Research Laboratories.

**Monday, March 26:** Ultrasound Workshop*
**Tuesday, March 27:** Lecture Sessions
**Wednesday, March 28:** Ultrasound Workshop*

*Space is limited for each workshop session - please register early.

**TARGET AUDIENCE**
This course is intended for nurse practitioners, physician assistants, nurses, physicians and other health care professionals interested in critical care.

**ULTRASOUND WORKSHOP**
Point of care ultrasound is now an indispensable tool for emergency and critical care providers. Our workshop is aimed at helping providers gain a foundational understanding of point of care ultrasonography and basic skills to acquire and interpret ultrasound images. We will do so through didactics, guided image interpretation and supervised hands-on image acquisition on live models. Students should feel confident after the workshop that they gained the foundation and is equipped for further skill advancements through education and practice in the future.

**Course Faculty**

**MSK COURSE DIRECTORS**
- **Rhonda L. D’Agostino,** ACNP-BC, CCRN, FCCM
  Associate Director, Critical Care Center

- **Neil A. Halpern,** MD, MCCM, FCCP, FACP
  Director, Critical Care Center
  Chief, Critical Care Medicine Service
  Medical Director, Respiratory Therapy

- **Leon Chen,** DNP, AGACNP-BC, CCRN, CEN
  Clinical Program Manager, Research and Simulated Learning

**PLANNING COMMITTEE**

- **Ann Landrove,** ACNP-BC, CCRN

- **Christine Ammirati,** PA-C
  APP Specialist, Education

**MSK FACULTY**
- **Vikram Dhawan,** MD
- **Elena Mead,** MD

- **Yulia Kit,** PA-C
- **Jibran Majeed,** ACNP-BC, CCRN

- **Leon Chen,** DNP, AGACNP-BC, CCRN, CEN
  Clinical Program Manager, Research and Simulated Learning

- **Peter Mead,** MD
- **Eunhye Newman,** MS, ACNP-BC

- **Richard Weiner,** ANP-C
- **Joanna Yohannes-Tomicich,** MS,ACNP-BC

**INVITED FACULTY**

- **Jonathan De Olano,** MD
  Bellevue Hospital Center

- **Keith Forlenza,** PA-C
  Winthrop University Hospital

- **Felipe Teran,** MD
  Hospital of the University of Pennsylvania

- **Heath Walden,** MD
  Maimonides Medical Center
Ultrasound Workshop

Available Dates (select one):
Monday, March 26, 2018
Wednesday, March 28, 2018

Workshop Location:
Rockefeller Research Laboratories
430 East 67th Street, New York, NY 10065

<table>
<thead>
<tr>
<th>Time</th>
<th>Activity</th>
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<tbody>
<tr>
<td>7:30 AM</td>
<td>Registration &amp; Breakfast</td>
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<tr>
<td>8:00 AM</td>
<td>Opening Remarks</td>
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<tr>
<td>8:05 AM</td>
<td>Knobology/Physics</td>
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<td></td>
<td>Elena Mead, MD</td>
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<tr>
<td>8:45 AM</td>
<td>Vascular Ultrasound</td>
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<td></td>
<td>Joanna Yohannes-Tomicich, MS,ACNP-BC</td>
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<tr>
<td>9:25 AM</td>
<td>GROUP A: Image Review</td>
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<td></td>
<td>Yulia Kit, PA-C</td>
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<td></td>
<td>GROUP B: Hands-On Session</td>
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<tr>
<td>9:50 AM</td>
<td>GROUP B: Image Review</td>
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<td></td>
<td>Yulia Kit, PA-C</td>
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<td></td>
<td>GROUP A: Hands-On Session</td>
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<tr>
<td>10:15 AM</td>
<td>Break</td>
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<tr>
<td>10:25 AM</td>
<td>Thoracic Ultrasound</td>
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<td></td>
<td>Elena Mead, MD</td>
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<tr>
<td>11:00 AM</td>
<td>GROUP A: Image Review</td>
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<td></td>
<td>Eunhye Newman, MS, ACNP-BC</td>
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<td></td>
<td>GROUP B: Hands-On Session</td>
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<tr>
<td>11:40 AM</td>
<td>GROUP B: Image Review</td>
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<td></td>
<td>Eunhye Newman, MS, ACNP-BC</td>
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<td></td>
<td>GROUP A: Hands-On Session</td>
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<tr>
<td>12:20 PM</td>
<td>Lunch Break</td>
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<td>1:20 PM</td>
<td>Cardiac Ultrasound</td>
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<td></td>
<td>Leon Chen, NP</td>
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<tr>
<td>1:50 PM</td>
<td>GROUP A: Image Review</td>
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<td></td>
<td>Joanna Yohannes-Tomicich, MS,ACNP-BC</td>
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<td></td>
<td>GROUP B: Hands-On Session</td>
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<tr>
<td>2:40 PM</td>
<td>GROUP B: Image Review</td>
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<td></td>
<td>Joanna Yohannes-Tomicich, MS,ACNP-BC</td>
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<td></td>
<td>GROUP A: Hands-On Session</td>
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<tr>
<td>3:30 PM</td>
<td>Closing Remarks</td>
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<tr>
<td>3:35 PM</td>
<td>Adjourn</td>
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Workshop Objectives

- Understand the basic indications of point of care ultrasonography
- Understand the basic principles of vascular, thoracic and cardiac point of care ultrasonography
- Recognize gross ultrasonographic abnormalities of common pathologies
- Acquire basic hands-on ultrasound image acquisition skills

Attendees may register for either Monday, March 26th, or Wednesday, March 28th (please only select one).

Space is limited for both days - please be sure to register early.

Memorial Sloan Kettering Cancer Center
Lecture Sessions

Tuesday, March 27, 2018

Lecture Location:
Zuckerman Research Center
417 East 68th Street, New York, NY 10065

7:30 AM  REGISTRATION & BREAKFAST
8:00 AM  Welcome & Introduction
          Rhonda L. D'Agostino, ACNP-BC, CCRN, FCCM
          Neil A. Halpern, MD, MCCM, FCCP, FACP

Part I: Morning Session
MODERATOR: Ann Landrove, AGACNP-BC, CCRN

8:05 AM  CNS Infections
          Peter Mead, MD
8:45 AM  MRI Basics
          Vikram Dhawan, MD
9:25 AM  CAR T-Cells: A Driver’s Manual
          Elena Mead, MD
10:05 AM BREAK

10:15 AM  Stop the Bleeding: Reversal of New Anticoagulants
          Jonathan De Olano, MD
10:50 AM  EKG Axis Interpretation: Keeping Your Heart
          on the Straight and Narrow
          Richard Weiner, ANP-C
11:25 AM  ICU Metrics: The Good, the Bad and the Ugly
          Neil Halpern, MD, FCCP, MCCM
12:00 PM LUNCH BREAK

Part II: Afternoon Session
MODERATOR: Christine Ammirati, PA-C

1:00 PM  When the Pump Fails: The Use of Mechanical
          Assist Devices in the Management of Cardiogenic Shock
          Keith Forlenza, PA-C
1:40 PM  Massive Transfusion: Is There a Correct Ratio?
          Heath Walden, MD
2:20 PM  BREAK
2:35 PM  Strategies to Enhance Quality in CPR: Physiologic
          Monitoring and Goal-Directed Approaches
          Felipe Teran, MD
3:20 PM  Navigating the Physiologically Difficult Airway
          Leon Chen, DNP, AGACNP-BC, CCRN, CEN
4:05 PM  Medical Jeopardy
          Jibran Majeed, ACNP-BC, CCRN
          Rhonda D'Agostino, ACNP-BC, CCRN, FCCM
5:00 PM  Closing Remarks
5:30 PM  ADJOURN

Lecture Objectives

- Understand likely etiological organisms and therapeutic regimens for common CNS infections
- Decipher common abnormalities on Brain MRI images
- Describe the management of patients undergoing CAR-T Cell treatment, common complications, and management
- Discuss pharmacology and toxicology of new oral anticoagulants (NOAC) and antidotes
- Understand the physiology of the heart by using vector physics and electrical axis on EKGs
- Discuss how ICU metrics are utilized in delivering high-quality health care in ICUs
- Discuss mechanical assistive devices commonly used in cardiogenic shock
- Discuss the management of massive transfusion in surgical patients
- Describe current goal directed strategies to enhance quality of CPR
- Describe the approach and management to the difficult airway
## Registration

<table>
<thead>
<tr>
<th>Event</th>
<th>EARLY*</th>
<th>GENERAL</th>
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<tbody>
<tr>
<td>Lecture Sessions (NP, PA, MD, and Other Healthcare Providers)</td>
<td>$200</td>
<td>$250</td>
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<tr>
<td>Lecture Sessions (Students)</td>
<td>$100</td>
<td>$150</td>
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<tr>
<td>Lecture Sessions (Industry Professionals**)</td>
<td>$390</td>
<td>$440</td>
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<tr>
<td>Optional Ultrasound Workshop Add-on (Either March 26th or March 28th - select one)</td>
<td>$400</td>
<td>$400</td>
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*Early registration available until February 26, 2018

**Industry professionals may attend CME activities for their own education. Marketing, sales, and promotion of products and services is strictly prohibited at MSK CME activities.

**Register Online:**
[www.mskcc.org/CriticalCare](http://www.mskcc.org/CriticalCare)

Registration includes continental breakfast, lunch, and refreshment breaks. Please contact cme@mskcc.org at least one week prior to the course if you have any special dietary needs.

- 30% Discounted Rate for MSK Alumni and MSK Alliance Members: MSK offers a 30% discounted rate to all MSK Alumni and MSK Alliance members to attend a CME course. Please contact cme@mskcc.org for information.
- MSK Staff Registration: Registration is complimentary for MSK staff. However, you must register online: [www.mskcc.org/CriticalCare](http://www.mskcc.org/CriticalCare)

### ACCOMMODATIONS

MSK has negotiated special rates and amenities at select hotels in Manhattan. For information on hotels in the area of MSK with discounted rates, please visit: [www.mskcc.org/cme](http://www.mskcc.org/cme).

### SYMPOSIUM LOCATION

Lecture sessions on Tuesday, March 27, 2018, will be held at:

**Zuckerman Research Center**
417 East 68th Street
New York, NY 10065

The Ultrasound Workshop on Monday, March 26, 2018, and Wednesday, March 28, 2018, will be held at:

**Rockefeller Research Laboratories**
430 East 67th Street
New York, NY 10065

### CONTACT

For more information, including all upcoming MSK CME courses, visit our website at [www.mskcc.org/cme](http://www.mskcc.org/cme). To contact us directly, email cme@mskcc.org.

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### Accreditation

**ACCREDITATION STATEMENT**

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

**AMA CREDIT DESIGNATION STATEMENT**

MSK designates this live activity for a maximum of 13.75 AMA PRA Category 1 Credit(s)™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**CONTINUING EDUCATION CREDIT**

Memorial Sloan Kettering Cancer Center - Nursing Professional Development/Continuing Education is accredited with distinction as a provider of continuing nursing education by the American Nurses Credentialing Center’s Commission on Accreditation.

8.0 contact hours will be awarded to participants who attend the program in its entirety and complete a program evaluation. Partial credit not awarded.

**FACULTY DISCLOSURE**

It is the policy of MSK to make every effort to insure balance, independence, objectivity, and scientific rigor in all continuing medical education activities which it provides as an ACCME accredited provider. In accordance with ACCME guidelines and standards, all faculty participating in an activity provided by MSK are expected to disclose any significant financial interest or other relationship with the manufacturer(s) of any commercial product(s) and/or provider(s) of commercial services which are discussed by the faculty members in an educational presentation. As required by the ACCME, when an unlabeled use of a commercial product or an investigational use not yet approved for any purpose is discussed during an educational activity, MSK requires the speaker to disclose that the product is not labeled for the use under discussion or that the product is still investigational.