

**Conference Purpose** *This conference provides state of the art information on resuscitation science and the clinical application of critical interventions provided by renowned experts in a relaxed and interactive setting. The program is designed to meet educational needs of emergency medicine physicians.*

**Course objectives** *listed with every session. (see side two).*

**Conference Audience** *Each year RACI has provided content that has appealed to a wide spectrum of clinicians and providers. Reviews have been equally positive from paramedics, nurses, midlevel providers and physicians.*

#### CME is available

Alaska Regional Hospital designates this continuing medical education activity for up to **13.25** credit hours in Category 1 of the Physician's Recognition Award of the American Medical Association. Alaska Regional Hospital is accredited by Alaska State Medical Association CME Accreditation Committee to sponsor CME for physicians.

Physicians should claim only those hours which they attended at the conference.

Physician/ PA CME certificates will be **mailed after** the conference.

APNs, RNs, LPN's. Paramedics, EMTs and other will received CEU/CME certificates at the conference.



## The Loren Marshall Foundation Presents...

6th Annual:

# Resuscitation and Critical Interventions Conference (RACI)

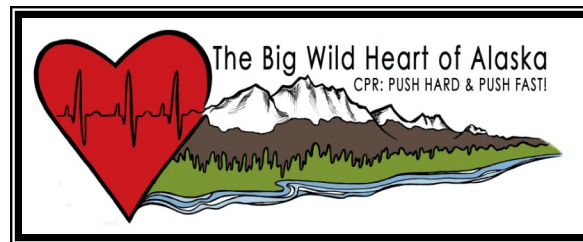
May 19-20, 2012

UW Medicine

HARBORVIEW  
MEDICAL CENTER

The **Trauma Tracks** are sponsored by **Harborview Medical Center**, the only designated Level I adult and pediatric trauma and burn center for the state of Washington and the regional trauma and burn referral center serving Washington, Alaska, Montana and Idaho.

*These multi-disciplinary tracks highlight current issues in trauma care throughout the continuum: pre-hospital, emergency, critical care and acute care.*



### Northwest EMS

#### Medical Directors Assembly

A gathering of EMS directors from the region with the aim of sharing, networking and informing. *All are invited.*

#### The Gathering of Ravens

May 18, 2012 12:00-5:00pm

#### The RACI Conference

May 19-20, 2012

At

The Hotel Captain Cook  
Anchorage Alaska

#### Registration Form:

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ St: \_\_\_\_\_ Zip: \_\_\_\_\_

Organization: \_\_\_\_\_

Contact Phone: \_\_\_\_\_

Your **RACI** Conference registration fee includes  
~ both days of conference  
~ a delicious lunch for 2 days  
~ CME/ CEU certificates of attendance  
~ all associated materials

#### RACI Conference Fees:

Students	\$10.00/ day
EMT & others	\$ 75.00
ANP, Paramedic, RN	\$ 150.00
Physician, PA	\$ 250.00

Please mail registration form to:

Cassandra Bush  
Attn: registration  
P.O. Box 190474  
Anchorage, AK 99519

Or  
register online

[www.LorenMarshallFoundation.org](http://www.LorenMarshallFoundation.org)

# 2012: Resuscitation and Critical Interventions Conference

Presenting International Speakers: **Dr. Hendrik Bonnemeier** and **Dr. Maaret Castren**

**Friday: May 18, 2012** 12:00 pm —5:00 pm  
*The Gathering of Ravens*

**UW Medicine**  
HARBORVIEW  
MEDICAL CENTER

The trauma tracks are sponsored by Harborview Medical Center, the designated Level I Adult and Pediatric Trauma and Burn Center for Washington State, as well as the trauma and burn referral center for Washington, Alaska, Montana, and Idaho (WAMI).

These multi-disciplinary tracks highlight current issues in trauma care throughout the continuum: pre-hospital, emergency, critical care and acute care.



**Saturday: May 19, 2012**

8:00 am—9:00 am:  
*Coffee with the Sponsors*

9:00 am -10:00 am (Trauma Track)

**Benjamin Starnes, M.D.**

Topic: Review of Aortic Pathology and Outcomes Associated with Ruptured Aneurysms, Dissections, and Trauma.

Objectives: *CME/CEU hours available*

1. Statistics on Prevalence and Incidence of Vascular Disease and Trauma.
2. Highlights of Endovascular Therapy Versus Open Surgery.
3. Data Comparing Patient Outcomes Based on Treatment Methods.

9:00 am -10:00 am (Resuscitation Track)

**Hendrik Bonnemeier, M.D.**

Topic: Advantages of Mechanical Chest Compressions During Emergency Cardiac Catherizations for Out-of-Hospital Cardiac Arrest.

Objectives: *CME hours available*

1. Initial Field Care in Patients with Acute Myocardial Infarctions and Out-of-Hospital Cardiac Arrest.
2. Transport of Acute Myocardial Infarction and Out-of-Hospital Cardiac Arrest.
3. Early Rescue PCI in Patients with Acute Myocardial Infarction and Out-of-Hospital Cardiac Arrest.

10:00 am -11:00 am (Trauma Track)

**Saman Arbabi, M.D., M.P.H.**

Topic: Chronic Medications of the Injured Patients.

Objectives: *CME/CEU hours available*

1. Understand the Effect of Chronic Medication in the Evaluation of Trauma Patients.
2. Understand the Effect of Chronic Medication on Trauma Outcomes.
3. When Should We Re-start Home Medication.

10:00 am—11:00 am (Resuscitation Track)

**Graham Nichols, M.D., M.P.H.**

Topic: *Climbing Pebbles, ROC's and Boulders*: Individual and Systems-Based Approaches to Improving Cardiac Resuscitations.

Objectives: *CME/CEU hours available*

1. Describe Recent and Ongoing Trials of Cardiac Resuscitations.
2. Describe the Rationale for Systems-Based Cardiac Resuscitation.
3. Describe Whether Survival After Cardiac Arrest is Improving Over Time.

11:00 am —12:00 pm (Trauma Track)

**Eileen Bulger, M.D.**

Topic: Optimizing Resuscitations After Hemorrhagic Shock.

Objectives: *CME/CEU hours available*

1. Review Current Literature to Discuss Optimal Fluid Resuscitation Strategies Including Choice of Fluid and Amount of Fluid.
2. Review Results of Recent Clinical Trials of Hypertonic Resuscitation.
3. Review Current Literature Regarding Optimal Resuscitation Strategies for Massive Transfusion Patients.

11:00 am —12:00 pm (Resuscitation Track)

**Daniel Spaite, M.D.**

Topic: *Dropping Dead in Arizona: Foiled Again*: Using Systems of Care for Better Outcomes.

Objectives: *CME/CEU hours available*

1. Learn the REAL Components of an Out-of-Hospital Cardiac Arrest System of Care.
2. Learn How to Relentlessly Pursue Out-of-Hospital Cardiac Arrest Survival.
3. Learn How to Utilize Real-Time Cardiopulmonary Resuscitation Feedback to Optimize Outcomes.

12:00 pm – 1:00 pm:

**LUNCH**

*Please join us for lunch in the commons area adjoining the general sessions.*

1:00 pm —2:00 pm (Trauma Track)

**M.L. "Chip" Rouff, Jr., M.D.**

Topic: Optimizing Care of Orthopedic Trauma Patients.

Objectives: *CME/CEU hours available*

1. Improve the Understanding of Pelvic Ring Injuries.
2. Improve Understanding of Acetabular Fractures.
3. Improve Understanding Hip Injury Surgical Emergencies.

1:00 pm —2:00 pm (Resuscitation Track)

**Daniel P. Davis, M.D.**

Topic: Advanced Resuscitation Training.

Objectives: *CME/CEU hours available*

1. What is the Current Resuscitation Training.
2. What is the ART Model of Resuscitation Training.
3. What is the Integration of Arrest, Critical Care, and Technical.

2:00 pm – 3:00 pm (Trauma Track)

**Saman Arbabi, M.D.**

Topic: Changing the Face of Trauma: New Challenges.

Objectives: *CME/CEU hours available*

1. Understand the Pattern of Change in the Trauma Patients in the Last Ten Years.
2. Understand the Changes in Age and Body Habitus of our Future Patients.
3. How to Improve Outcomes of Geriatric Trauma Patients.

2:00 pm —3:00 pm (Resuscitation Track)

**Maaret Castren, M.D.**

Topic: Intra-Arrest Hypothermia.

Objectives: *CME/CEU hours available*

1. Describe Controversy of When to Initiate Cooling.
2. Understand Differences in Outcome with time of Initiations of Cooling.
3. Describe Possible Negatives for Intra-arrest Cooling.

3:00 pm —3:20 pm: **BREAK**

3:20 pm —4:20 pm (Trauma Track)

**Eileen Bulger, M.D.**

Topic: Optimizing Initial Management of Severe Traumatic Brain Injury.

Objective: *CME/CEU hours available*

1. Review the Pros and Cons of Pre-hospital Intubation Following Suspected Traumatic Brain Injury.
2. Review the Current Literature Regarding Optimal Ventilation Strategies for Patients with Severe Traumatic Brain Injury.
3. Discuss Options for Management of Intracranial Hypertension.

3:20 pm —4:20 pm (Resuscitation Track)

**Mohamud Daya, M.D., M.S.**

Topic: Research Outcomes Consortium (ROC): How Does This Effect How We Care for Patients?

Objective: *CME/CEU hours available*

1. Understand Outcomes of Field Trauma Triage Guidelines.
2. Discuss the Important Role of Paramedic Discretion.
3. Discuss the Difficulties of Large Scale Studies.

4:20 pm —5:00 pm

**Panel Discussion:**

**Panel Moderator: Robert Niskanen**

Topic: Research Outcomes Consortium (ROC). *CME hours available*

(Panel Participants: Graham Nichols, M.D., Mohamud Daya, M.D., Michael Levy, MD., Tom Rea, M.D., Maaret Castren, M.D., Hendrik Bonnemeier, M.D., Michael Copass, M.D., Daniel Spaite, M.D.)

1. Understand the Implications from the Growing Body of Resuscitation Data from the ROC Study.
2. Understand the Options for Operationalizing the Data from the ROC Study into Evolving Best Practices.
3. Better Understand the Conflicting Aspects of the ROC Study Data.

**Sunday, May 20, 2012**

8:00 am—9:00 am:

*Coffee with the Sponsors*

9:00 am —10:00 am

**Maaret Castren, M.D.**

Topic: Topics in Post-Resuscitation Care.

Objectives: *CME/CEU hours available*

1. Identify Opportunities for Improving Post-Resuscitation Survival.
2. Discuss Ways to Improve Outcomes in Refractory Seizures Associated with Anoxic Brain Injury.
3. Contrast Methods Used in Europe to Those Common in the United States.

10:00 am —11:00 am

**Panel Discussion**

**Panel Moderator: Robert Niskanen, M.D.**

Topic: Mechanical CPR/ Revivant Device. *CME hours available*

(Panel Participants: Charles Lick, M.D., Mohamud Daya, M.D., Michael Levy, M.D., Paul Rostykus, M.D., Maaret Castren, M.D., Hendrik Bonnemeier, M.D., Michael Copass, M.D.)

Objectives:

1. Understand the Results of the CIRC Trial and it's Implications.
2. Knowledge of the Application of Mechanical CPR Devices in the Clinical Settings and the Result of Research Surrounding this use.

11:00 am —12:00 pm

**Hendrik Bonnemeier, M.D.**

Topic: Prolonged Resuscitation Events and High Quality CPR.

Objectives: *CME/CEU hours available*

1. Meeting the Challenges of Achieving High Quality CPR Delivery for a Prolonged Period of Time.
2. The Demonstrated Safety Advantage of Mechanical CPR versus Manual CPR in a Prolonged Resuscitation Effort.
3. How No-Flow Time (Pauses in Compression Delivery) is Measurably Decreased with a Properly Deployed Mechanical CPR Device.

12:00 pm – 1:00 pm:

**LUNCH**

*Please join us for lunch in the commons area adjoining the general sessions.*

1:00 pm —2:00 pm

**Daniel Spaite, M.D.**

Topic: Saving Brains in Arizona Through the EPIC Project: The Impact of EMS on Traumatic Brain Injury.

Objectives: *CME/CEU hours available*

1. Identify the Three "H-Bombs" of EMS in Traumatic Brain Injury Care.
2. Understand the Physiology and Research that Led to the Evidence-Based, National EMS Traumatic Brain Injury Guidelines.
3. Know How to Prevent and Manage the "H-Bombs" of Traumatic Brain Injury in the Field.

2:00 pm —3:00 pm

**Daniel P. Davis, M.D.**

Topic: Airway and Ventilation Management in the Field.

Objectives: *CME/CEU hours available*

1. Describe the Indications for Intubations.
2. Describe Alternative Airway Devices.
3. Describe How to Manage Hyperventilation.

3:00 pm —3:20 pm: **BREAK**

3:20 pm 3:20 pm—4:20 pm

**Charles Lick, M.D.**

Topic: How Long is *Long Enough?* Experience and Outcomes of Prolonged Resuscitations in a Large Minnesota System.

Objectives: *CME/CEU hours available*

1. Describe the "Take Heart America" Project.
2. Understand the Systems-Based Approach to Cardiac Arrest.
3. Describe the Ways to Implement in Your Community.