

SIXTH ANNUAL INTERNATIONAL SYMPOSIUM

# RAPID RESPONSE SYSTEMS AND MEDICAL EMERGENCY TEAMS

*Monday and Tuesday  
May 10-11 2010  
Pittsburgh Marriott City Center  
Pittsburgh, Pennsylvania, USA*



**JOINTLY SPONSORED BY**

*International Meeting for Rapid Response Systems*

**AND**

*Allegheny General Hospital*

*West Penn Allegheny Health Systems*

*Pittsburgh, Pennsylvania, USA*



**ALLEGHENY  
GENERAL HOSPITAL**  
WEST PENN ALLEGHENY HEALTH SYSTEM

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Pittsburgh, Pennsylvania, USA

## CONFERENCE CO-DIRECTORS

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## CONFERENCE FACULTY (continued)

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### JAMES TIBBALLS, ASSOCIATE PROFESSOR BMEDSC, MBBS, MED, MBA, MD, MHLTH&MEDLAW, GDIPARTS(FR), PGDIPARTS(FR), FANZCA, FJFICM, FACLM

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### JOHN R. WELCH, RH, BSC (HONS) PSYCH, MSC NURS

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## PLANNING COMMITTEE

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### ANDREAS HVARFNER, MD, PHD

Lund, Sweden

### JOHN OVRETVEIT, PHD, CPSYCHOL, MIHM, C.SCI

Director of Research  
Professor of Health Innovation Implementation and Evaluation  
Medical Management Centre  
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### NICOLETTE MININNI, RN, M ED, CCRN

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## ABSTRACT COMMITTEE

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### BABAK SARANI, MD

Assistant Professor of Surgery  
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### WILLIAM SCHWEICKERT, MD

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### PROFESSOR GARY B. SMITH, FRCA, FRCP

Consultant in Critical Care Medicine and Medical Lead for Patient Safety  
Portsmouth Hospitals NHS Trust and University of Bournemouth  
Portsmouth, United Kingdom

## CONFERENCE OVERVIEW AND INTENDED AUDIENCE

This annual symposium is the largest conference in this field, and is attended by more than 300 delegates from all over the world. The program consists of a mixture of plenary and panel discussions, keynote lectures, poster presentations and round table discussions. The content of the presentations will be divided into several tracks, each covering specific themes such as patient safety and quality, novice, education, nursing, research, technology and monitoring, pediatric and social science perspective.

This educational activity is intended for critical care physicians, emergency physicians, patient safety officers, hospitalists, hospital-based physicians, critical care and general ward nursing staff, hospital administrators, nursing directors, respiratory care directors, resuscitation and clinical outcomes researchers and other health care professionals involved or interested in rapid response systems and medical emergency teams.

## CONFERENCE OBJECTIVES

At the conclusion of this conference, participants should be able to:

- describe the purpose of the Rapid Response System (RRS)
- describe the components of the RRS
- create or improve a RRS at their hospital
- discuss the recently published literature on RRS
- carry on an evidence-based discussion about RRS benefits and shortfalls
- describe the impact of an RRS on the nursing workload
- describe the impact of an RRS on patient families

## ACCREDITATION

Allegheny General Hospital is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians.

Allegheny General Hospital designates this educational activity for a maximum of 16 *AMA PRA Category 1 Credits*<sup>™</sup>. Physicians should only claim credit commensurate with the extent of their participation in the activity.

## DISCLOSURE OF SIGNIFICANT RELATIONSHIPS WITH RELEVANT COMMERCIAL COMPANIES

In accordance with the Accreditation Council for Continuing Medical Education (ACCME) and the policy of Allegheny General Hospital, presenters must disclose all relevant financial relationships, which in the context of their presentation(s), could be perceived as a real or apparent conflict of interest, (e.g., ownership of stock, honoraria or consulting fees). Any identifiable conflicts will be resolved prior to the activity. Any such relationships will be disclosed to the learner prior to the presentation(s).

## ACCOMMODATIONS

A block of rooms has been reserved for registrants and guests at the Marriott Pittsburgh City Center.

Reservations can be made by calling toll free at (888) 456-6600, or the hotel directly at 1(412)471-4000 or online at <http://www.marriott.com/hotels/travel/pitdt?groupCode=upmupma&app=resvlink&fromDate=5/8/10&toDate=5/14/10>.

Please be sure to identify yourself as a *Allegheny General Hospital Rapid Response Systems Conference* registrant to be eligible for the group rate.

**SINGLE/DOUBLE OCCUPANCY ROOM RATE:** \$159 + tax

**DEADLINE FOR RESERVATIONS:** May 1, 2010  
(Reservations made after the deadline will be accepted on a space available basis only.) \* **Reserve your room early!**

## ACTIVITIES

### PITTSBURGH PIRATES BASEBALL GAME

- Monday, May 10, 2010 • 7:05 p.m.  
*Pittsburgh Pirates vs. Cincinnati Reds*

A limited block of tickets have been reserved for Monday's game. The cost of the tickets are \$40.00 and includes transportation to the game, dinner and Pirate T-shirt. Refer to the registration form if you are interested in reserving tickets and contact Todd Cochran, the ticket coordinator by telephone at (412) 359-4952 or by e-mail at [tcochran@wpahs.org](mailto:tcochran@wpahs.org).

## CALL FOR ABSTRACTS

For information on abstract submission, please go to [www.rapidresponsesystems.org](http://www.rapidresponsesystems.org). Abstracts may be submitted December 1, 2009 through March 15, 2010.

## ADDITIONAL INFORMATION

For additional information concerning the conference, please contact the seminar coordinator by telephone at (412) 359-4952, by fax at (412) 359-8218, by e-mail at [sjohnsto@wpahs.org](mailto:sjohnsto@wpahs.org) or visit our Web site at [www.aghcme.org](http://www.aghcme.org) or the International Meeting for Rapid Response Systems Web site at [www.rapidresponsesystems.org](http://www.rapidresponsesystems.org).

## CONFERENCE SCHEDULE

MONDAY, MAY 10, 2010

6:45 a.m.	Registration and Continental Breakfast ( <i>Visit Exhibits</i> )	
7:45 a.m.	Welcome and Opening Comments	Michael DeVita, MD
8:00 a.m.	<b>General Session</b> Leadership and Culture Change: Essential Elements	Jeffrey Braithwaite, PhD
9:00 a.m.	<b>Concurrent Workshops (Choose one)</b>	
	TRACK I The Patient Experience	Anna Johansson, PhD-Moderator Helen Haskell, MA Anne Lippert, MD
	TRACK II An International Update of Pediatric Response Systems	Richard Brill, MD-Moderator Afrothite Kotsakis, MD James Tibballs, MD
	TRACK III Implementing RRTs and METs — The Journeys of Two Hospitals: Liverpool Hospital, England and University of Pittsburgh Medical Center, Pittsburgh, Pennsylvania, USA	John Ovreteit, PhD-Moderator Jeffrey Braithwaite, PhD Ken Hillman, MD Dan Shearn, RN
10:00 a.m.	<b>B R E A K</b> ( <i>Visit Exhibits</i> )	
10:15 a.m.	<b>Concurrent Workshops (Choose one)</b>	
	TRACK I <ul style="list-style-type: none"><li>• The Efferent Arm: Function and Various Types of Teams</li><li>• Medical and Obstetric Crisis Teams for Obstetris Patients</li><li>• Types of Teams and Purpose at UPMC</li><li>• A Novel Team for Staff Crises</li></ul>	Michael DeVita, MD Marie Baldisseri, MD Dan Shearn, RN Susan Scott, RN
	TRACK II Pediatric Track: Advances in a System to Identify the Deteriorating Child on the General Wards <i>A discussion of barriers and quality of track and trigger systems for children.</i>	Richard Brill, MD-Moderator Christopher Parsburam, MD
	TRACK III Novice Workshop: Starting from Scratch: Creating a Successful RRS <i>Topics include Ramp Up/Down, Emergency Situations, Social and Cultural Dimensions of RRS operation. This is an interactive workshop, so please bring your problems for discussion.</i>	Geoffrey Lighthall, MD Kathy Duncan, RN
11:15 a.m.	<b>Concurrent Workshops (Choose one)</b>	
	TRACK I <ul style="list-style-type: none"><li>• The Afferent Limb: How to Ensure a Crisis Patient is Recognized and a Response Triggered</li><li>• Monitoring with Embedded EWS Devices</li></ul>	Michael DeVita, MD-Moderator Prof. Gary Smith Christian Subbe, DM Edgar Jiminez, MD
	TRACK II Pediatric Family Activation of Rapid Response Teams: How to “Just Do It”	Elizabeth Hunt, MD-Moderator Tina Schade Willis, MD
	TRACK III RRS and Resident Education: Does the Rapid Response System Improve or Hurt Education?	Babak Sarani, MD-Moderator Daryl Jones, MBBS William Schweickert, MD
12:15 p.m.	<b>L U N C H</b>	
1:15 p.m.	<b>Concurrent Workshops (Choose one)</b>	
	TRACK I RRS and DNR Issues	Robert Arnold, MD-Moderator Ken Hillman, MD Anna Johansson, MD
	TRACK II Nursing: Clinical Barriers to Failure to Rescue	M. Hravnak, RN, PhD-Moderator Sean P. Clark, RN, PhD Andrea Mazzoccoli, RN, PhD
	TRACK III Poster Presentations: Professor’s Rounds	Babak Sarani, MD William Schweickert, MD Prof. Gary Smith

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## CONFERENCE SCHEDULE

MONDAY, MAY 10, 2010 (continued)

- 2:15 p.m. **Concurrent Workshops (Choose one)**
- TRACK I**
- What Were the Interventions at a Team Response? What Made Outcome Improve?
  - Human Factors Which Mitigate Against an Effective RRS
- TRACK II** Nursing: The Administrative Arm — Nursing Governance and the RRS
- TRACK III** Novice Track: Responding to Cardiovascular Crises — What to Do and What Protocols to Use
- 3:10 p.m. **B R E A K (Visit Exhibits)**
- 3:30 p.m. **Concurrent Workshops (Choose one)**
- TRACK I** Pro/Con Debate: Ramp Up/Ramp Down
- TRACK II** Nursing: Comprehensive Approach to the Evaluative Arm of the RRS
- TRACK III** Novice Track: Responding to Neurological Crises — What to Do and What Protocols to Use
- 4:30 p.m. **Concurrent Workshops (Choose one)**
- TRACK I** Pro/Con Debate: Continuous Monitoring is Required for All
- TRACK II** AHA Report: Do Response Teams Reduce CardioRespiratory Arrests in the Hospital?
- TRACK III** A Research Agenda for RRS
- 5:30 p.m. **A D J O U R N M E N T**
- 7:05 p.m. Pittsburgh Pirates vs. Cincinnati Reds  
(Tickets must be purchased separately and in advance.)

TUESDAY, MAY 11, 2010

- 6:00 a.m. Registration and Continental Breakfast (Visit Exhibits)
- 7:00 a.m. **Sunrise Session (Additional fee required for attendance)**
- SUNRISE SESSION I** Learn the IHI Care Map
- SUNRISE SESSION II** The Importance of Bedside Sonograms: Tips for Interpretation During a Rapid Response Call
- 8:00 a.m. **General Session**  
Patient Safety: The BIG Picture
- 9:00 a.m. **Concurrent Workshops (Choose one)**
- TRACK I** Social Science in RRS's
- TRACK II** Nursing: RRS's Are Effective to Reduce Ward Work

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## CONFERENCE SCHEDULE

TUESDAY, MAY 11, 2010 (continued)

	TRACK III	Novice Track: Case-Based Discussions: What Actually Happens When the RRS is Triggered? — Sepsis, Mental Status Change, Hypoxemia	Geoffrey Lighthall, MD Stuart Reynolds, MD Michael Howell, MD Kathy Duncan, RN
10:00 a.m.	B R E A K (Visit Exhibits)		
10:15 a.m.	<i>Concurrent Workshops (Choose one)</i>		
	TRACK I	The Administrative Limb: Care and Feeding of the RRS Data Education Allocation	Michael DeVita, MD Randy Wax, MD Andrea Schmid-Mazzocoli, RN, PhD
	TRACK II	Research Track: Scientific Theory and History of RRS — What is Wrong with Prior Studies? Is a RRS RCT Possible?	Bradford Winters, MD James Tibballs, MD
	TRACK III	Novice Track: Case-Based Discussions — What Actually Happens When the RRS is Triggered? Difficulty Breathing and Hypoxemia	Geoffrey Lighthall, MD Stuart Reynolds, MD
11:15 a.m.	<i>Concurrent Workshops (Choose one)</i>		
	TRACK I	AHA/IMRRS Consensus Conference Reports: The Afferent Limb triggering Criteria — What Does the Data Show?	Erga Cerchiarì, MD Prof. Gary Smith
	TRACK II	An Inventory of RRS <ul style="list-style-type: none"> <li>• Progress with IHI RRT Initiative</li> <li>• Preconference RRS Survey Results</li> </ul>	Francesca Rubulotta, MD-Moderator Kathy Duncan, RN Bernard Fikkers, MD
	TRACK III	<ul style="list-style-type: none"> <li>• The QI Arm of the RRS: How to Do Post-hoc Response Reviews</li> <li>• Linking RRS with Hospital Safety Processes</li> <li>• Reviewing Patient Events to Improve Crisis Identification and Response: A Novel Algorithm</li> </ul>	Michael DeVita, MD Ken Hillman, MD Sean Clarke, RN, PhD Edgar Jiminez, MD
12:15 p.m.	L U N C H		
1:30 p.m.	<i>Concurrent Workshops (Choose one)</i>		
	TRACK I	<ul style="list-style-type: none"> <li>• Research Submissions: Award Winning Abstract Oral Presentations</li> </ul>	Babak Sarani, MD William Schweickert, MD Prof. Gary Smith
	TRACK II	Crisis Team Training: Tips for Training Responders (and Callers!) (2.25 Hours) <i>Immersive workshop, so please bring your problems and be prepared to “play” if you want.</i>	Geoffrey Lighthall, MD Elizabeth Hunt, MD Randy Wax, MD
	TRACK III	METs and Hospital Culture	John Opretveit, PhD-Moderator Ken Hillman, MD Jeffrey Braithwaite, PhD
2:30 p.m.	TRACK I	RRS: A Year in Review — A Journal Club	Francesca Rubulotta, MD Christopher Parshurham
	TRACK III	Biostatistics and Data Collection: Problems Created by Assessing a System of Care	Anna Johansson, MD Daryl Jones, PhD
3:45 a.m.	B R E A K (Visit Exhibits)		
4:00 p.m.	<i>Concurrent Workshops (Choose one)</i>		
	TRACK I	Advanced RRS Issues: <ul style="list-style-type: none"> <li>• Peds Patients in Non-Peds Hospitals: How to Design and Staff a RRS</li> <li>• RRS’s for Outpatients and Visitors</li> <li>• RRS’s Role in Disaster Response</li> </ul>	Elizabeth Hunt, MD Randy S. Wax, MD Babak Sarani, MD Randy S. Wax, MD
	TRACK II	Pro/Con Debates — Patients and Families Should be Allowed to Trigger RRS	William Schweickert, MD-Moderator Helen Haskell, MA-Pro Michael D. Howell, MD-Con
	TRACK III	Critical Care Outreach — Designing, Staffing and Implementing a CCO Program	Kathy Duncan, RN John Welch, RN
5:00 p.m.	A D J O U R N M E N T		
5:00 p.m.	Post Conference Debriefing ( <i>All are invited.</i> )		

The registration fees include course materials, continental breakfast, refreshment breaks, lunch and Continuing Education Credits. Registrations will be accepted in the order received. *(Registrations will be taken after the deadline date on a space-available basis.)*

**TO REGISTER:** Complete the registration form and return it with the registration fee or fax to:  
 Continuing Medical Education, Allegheny General Hospital  
 320 East North Avenue, Pittsburgh, Pennsylvania 15212-4772  
 Fax (412) 359-8218

Register online by going to [aghcme.org](http://aghcme.org), available soon.

The preferred method of payment is by VISA, MasterCard, American Express or Discover; however, checks will be accepted made payable to **Allegheny General Hospital**. *All payments must be made in U.S. Dollars.*

**Please register me for the following:**

**Early Registration Deadline: March 15, 2010**

- Physicians .....\$450
- Nurses, Residents, Allied Health Professionals .....\$250

**After March 15, 2010:**

- Physicians .....\$550
- Nurses, Residents, Allied Health Professionals .....\$350
- Sunrise Session I .....\$50
- Sunrise Session II .....\$50

**Please indicate:**

- Monday Boxed Lunch .....\$25
- Tuesday Boxed Lunch .....\$25

I would prefer a vegetarian lunch.  YES  NO

**Pirate Baseball Tickets:**

I would like to reserve \_\_\_\_\_ tickets @ \$40.00 for the Monday night baseball game. (Includes transportation, dinner and T-shirt.)

**TOTAL:** \$ \_\_\_\_\_

**REFUND POLICY**

A refund of the registration fee, less \$50.00, will be made when a written request or a telephone request (followed by a written confirmation) is received prior to **May 1, 2010**. After this date, refunds cannot be made. Fees will not be refunded for failure to attend. Substitutes are welcome.

Allegheny General Hospital reserves the right to cancel or postpone any course because of unforeseen circumstances. In the event of such cancellation, full tuition will be refunded

NAME \_\_\_\_\_  
(print name and degree, if applicable, as you wish it to appear on badge)

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(for accreditation purposes)

SPECIALTY \_\_\_\_\_

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(where you prefer mail to be sent)

HOME OR  BUSINESS ADDRESS (INCLUDING DEPARTMENT) \_\_\_\_\_

CITY \_\_\_\_\_ STATE \_\_\_\_\_ ZIP \_\_\_\_\_

DAY TELEPHONE ( \_\_\_\_\_ ) \_\_\_\_\_

FAX# ( \_\_\_\_\_ ) \_\_\_\_\_

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**METHOD OF PAYMENT:**  Credit Card  Check

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*By signing this form, I authorize Allegheny General Hospital to charge my credit card for the above amount. My signature also indicates that I will not dispute this charge in the future through my credit card company.*

If you require assistance with hearing, vision or mobility to make this conference accessible to you, please check this box and contact the CME office at (412) 359-4952 two weeks prior to the date of the conference.