



**REGISTER
TODAY!**

2019 SYMPOSIUM ON WOUND CARE AND HYPERBARIC MEDICINE

March 30-31, 2019

Hyatt Regency Baltimore Inner Harbor

300 Light Street
Baltimore, MD 21202
410.528.1234

Course Director:

Ziad K. Mirza, MD
HyperHeal Hyperbarics
Chief Medical Officer

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2019 COURSE DESCRIPTION

This course offers a comprehensive update, review and future practice of hyperbaric medicine and wound care. This includes oxygen physiology, and the physics, mechanisms-of-action for hyperbaric oxygen therapy (HBOT), and etiology and management of wounds. Lectures include a review of the primary clinical indications for treatment, management of the patient undergoing hyperbaric therapy, and the future of HBOT. While focused on the basics of HBOT and wound care, this course is also an excellent educational opportunity for all health care professionals who want to expand their knowledge of HBOT and wound care.

There will be a continental breakfast, coffee, tea and water will be available all day, and a buffet lunch and snacks for the afternoon break. Please refer questions to Mike Gendreau, mgendreau@hyperhealhyperbarics.com

TARGET AUDIENCE:

This course has been designed to meet the educational needs of physicians, PA's, NP's, RN's, podiatrists, and hyperbaric technicians and other health care professionals involved in treating patients where hyperbaric medicine is recommended. This includes all health professionals that are involved in wound care.

LEARNING OBJECTIVES:

This course will provide a comprehensive review and update of the major clinical and operational aspects related to the practice of hyperbaric medicine and wound care. It will also cover the most relevant topics and our speaker's thoughts on the future of HBOT and wound care.

CREDIT

"This activity has been planned and implemented in accordance with the Essential Areas and policies of the Accreditation Council for Continuing Medical Education through the joint providership of the Center for Emergency Medical Education and HyperHeal Hyperbarics"

"The Center for Emergency Medical Education is accredited by the Accreditation Council for Continuing Medical Education to provide continuing medical education for physicians."

The Center for Emergency Medical Education designates this live activity for a maximum of 12 *AMA PRA Category 1 Credits™*. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

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AT THE CONCLUSION OF THIS EDUCATIONAL ACTIVITY, PARTICIPANTS SHOULD BE ABLE TO:

- Explain the physiology and mechanisms of action of hyperbaric oxygen therapy (HBOT)
- Determine the primary clinical indications for hyperbaric oxygen
- Assess the risks, benefits, and contraindications for HBOT
- List the mechanism of acute and chronic radiation tissue injury
- List the most commonly involved tissues that manifest radiation injury
- Discuss the work up needed prior to starting adjunctive hyperbaric oxygen therapy for patients with radiation tissue injury
- List the common causes of gas embolism
- Describe the most common signs and symptoms of a gas embolism
- List the appropriate treatment of a gas embolism
- Discuss the Sherpa physiology, adaptation to altitude exposure and its relation to critical care
- Discuss the usage of the GAMOW bag soft hyperbaric chamber and the potential for life saving in extreme altitudes
- List why infected tissues becomes hypoxic
- Understand why infected hypoxic ischemic tissues causes acute life and limb threatening infections or severe chronic / refractory infections
- Understand the anti-inflammatory, anti-infective potentials of HBOT and list a number of reasons why treatment with HBOT can be of value in infective hypoxic disorders
- List the most common “flesh eating bacteria” associated with Necrotizing Soft Tissue Infection (NSTI) and the pathophysiology of its necrotizing character
- Describe the most common signs and symptoms of NSTI
- List the appropriate treatment of NSTI
- Have better knowledge of the current state of the art for hyperbaric medicine and how it benefits many wound care patients
- Discuss the treatment guidelines of wound care and hyperbarics
- Evaluate patients and conduct treatment to the approved clinical indications



AT THE CONCLUSION OF THIS EDUCATIONAL ACTIVITY, PARTICIPANTS SHOULD BE ABLE TO (CONT.):

- Discuss with their clinical colleagues the appropriate approach to patient care in hyperbaric and wound care situations
- Use a multi-disciplinary approach to hyperbaric and wound care
- Demonstrate knowledge and competence in the clinical setting
- Discuss new indications for hyperbaric medicine and implement them in their clinical practices
- Understand the etiology and physiology of wounds
- Identify different wound types including pressure ulcers, arterial ulcers, venous ulcers, diabetic foot ulcers, lymphoedema, burns, and surgical ulcers
- Improve on the knowledge of advanced healing modalities including bioengineered skin products
- Integration of wound care into different specialty practice settings
- Appropriate use of DME in wound care delivery
- Discuss difficult to heal wounds and best approach to care delivery
- Discuss avoiding harassment and discrimination in the work place
- Open Panel discussion surrounding safety, side-effects, clinical practice guidelines, and outcome measurement in wound care and hyperbarics

VENUE INFORMATION:

Hyatt Regency Baltimore
Inner Harbor
300 Light Street
Baltimore, Maryland, 21202

Tel: 410.528.1234

[Click for reservations](#)

Discounted parking just for the day: self parking \$15/Valet \$35 (Overnight parking charges are \$30 for self-parking and \$42 for valet parking.)

AUDIO VISUAL:

Any AV required can be provided through the Hyatt AV Team. Their AV Team will ensure all your requirements are set and ready to operate upon your arrival to the meeting room. Please contact me Jesse Birndorf at jbirndorf@hyperhealhyperbarics.com for details.

There will be a continental breakfast, coffee tea and water all day, buffet lunch and snacks for the afternoon break.

Any special accommodations or dietary restrictions contact jbirndorf@hyperhealhyperbarics.com

2019 SYMPOSIUM ON WOUND CARE AND HYPERBARIC MEDICINE AGENDA

Time	Lecture	Minutes	Speaker
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DAY 1

7:30-8:00am	Registration/Breakfast		
8:00-8:15am	Opening Remarks	15	Mirza
8:15 - 9:00am	Basic MOA of HBOT and its future	45	Thom
9:00- 9:45am	Traumatic brain injury and HBOT	45	R. Rosenthal
9:45 - 10:00am	Break	15	Vendors
10:00 - 10:45am	Carbon Monoxide Poisoning	45	Johnson-Arbor
10:45 - 11:30am	Diving	45	Allinson HH
11:30 - 11:45pm	Break	15	Vendors
11:45 - 12:30pm	Working Lunch - Avoiding Harrassment in the Workplace	45	Steve Kauffman
12:30-12:45pm	Break	15	Vendors
12:45-1:45pm	Difficult to heal wounds+B12	60	Mirza
1:45-2:45pm	Infections/A patient's story	60	Gilbert
2:45 - 3:00 pm	Break	15	Vendors
3:00 - 3:45 pm	CRAO/Arterial insufficiency	45	Sethuraman
3:45 -- 4:30 p.m.	Non-diving Gas Embolism including hypobaric conditions	45	Sward
4:30 - 5:30 p.m.	Panel Discusion	60	Panel
5:30 - 5:40 p.m.	Closing Remarks	10	Mirza

DAY 2

7:30-8:00am	Registration/Breakfast		
8:00 - 8:05am	Opening Remarks	5	Mirza
8:05 - 8:50am	Diabetic foot ulcers	30	Adam
8:50-9:35am	Vascular Ulcers	60	Coll/Buchbinder
9:35-9:50am	Break	15	Vendors
9:50 - 10:35pm	Pressure Ulcers	45	Del Corral
10:35-11:20am	Atypical Wounds	30	Kulkarni
11:20 - 11:35am	Break	15	Vendors
11:35-12:05pm	Burns	30	Price
12:05 - 12:35am	Lymphedema	30	Cooper/Girdhar
12:35 - 12:40 p.m.	Closing Remarks	5	Mirza

**720 MINUTES
12.0 HOURS OF CME**

COURSE DIRECTOR

Ziad Mirza, MD - is board certified in both hyperbaric medicine and internal medicine. He has been rated a Top Doc in hyperbaric medicine since 2014 and previously served as the Medical Director of one of the areas busiest wound care and hyperbaric hospital units. Dr. Mirza remains a Medical Director of several nursing homes. With over 16 years of experience in the specialty area of hyperbaric medicine and a passion for growing and educating the community about the benefits of HBOT, Dr. Mirza serves as the Chief Medical Officer of HyperHeal Wound Care & Hyperbarics.

FACULTY

Stephen Thom, MD, PhD - Director of Research, Emergency Medicine at University of Maryland Medical Center, board certified in emergency medicine and undersea & hyperbaric medicine.

Douglas Sward MD, FACEP, FAWM - Clinical Associate Professor of Emergency Medicine, University of Maryland School of Medicine, Director of Dive Medicine, Center for Hyperbaric and Dive Medicine, R. Adams Cowley Shock Trauma Center.

David Coll, MD - Board-Certified General and Vascular Surgery, Fellowship-Trained: Vascular Surgery, Hahnemann University, Philadelphia, Pennsylvania. Residency: General Surgery, Union Memorial Hospital, Baltimore, Maryland, University of Maryland at Baltimore, Baltimore, Maryland.

Robert E Rosenthal, MD - Professor of Emergency Medicine, University of Maryland School of Medicine, Section Chief - Center for Hyperbaric and Dive Medicine, R. Adams Cowley Shock Trauma Center.

Gabriel Del Corral, MD - Fellowship-trained plastic and reconstructive surgeon at Franklin Memorial Square Medical Center, Board certified by the American Board of Surgery and the American Board of Plastic Surgery, Dr. Del Corral has a specific interest in working with complex reconstructive microsurgery and lymphedema surgery.

Raymond Cooper, OT - Certified Lymphedema Therapist with 25 years' experience managing lymphedema. He was certified for Post Breast Cancer Rehabilitation and lymphedema management through Recovery in Motion in 1996 and the Academy of Lymphatic Studies in 2006. He was the Director of Outpatient

REGISTRATION FEE:

\$350 physicians

Early bird pricing \$300,
register by February 15, 2019

**\$175 PAs, NPs, RNs,
Medical Students**

Early bird pricing \$150,
register by February 15, 2019

CANCELLATION POLICY:

Cancellations must be made in writing to CEME at ceme@ceme.org. Refunds, less a \$50 processing fee, are provided if cancellation occurs prior to March 2, 2019. There will be no refunds for vendors &/or sponsors.

For more information on all CEME Courses, call toll-free: (800) 651-CEME (2363)

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FACULTY

Rehabilitation and developed the Lymphedema program during his tenure at Mercy Medical Center from 1993 through 2002. He established the Chesapeake Lymphedema Center in 2006.

Thomas J Gilbert, III, DO, FACEP, FAPWCA, FACHM - Medical Director of HyperHeal Hyperbarics, Inc. former medical director of hyperbarics at Meritus Health in Hagerstown, MD

Kelly Johnson-Arbor, MD, FACEP, FUHM, FACMT - Medical Director, Hyperbaric Medicine Center for Wound Healing and Hyperbaric Medicine MedStar Georgetown University Hospital Washington DC

Narayan Kulkarni, DO, UHM, FAACWS is medical director of the multidisciplinary FMH Center for Advanced Wound Care and Hyperbaric Medicine, in Frederick, MD. He is ABMS board certified in Hyperbaric Medicine and Family Medicine, and ABWM board certified as a Certified Wound Specialist. He also serves as an assistant clinical professor at WVSOM Medical School in Lewisburg, West Virginia. Dr. Kulkarni has been in practice for 17 years and has a special interest in atypical, vascular and diabetic foot ulcers.

Leigh Ann Price, MD serves as Medical Director of the National Burn Reconstruction Center at MedStar Good Samaritan Hospital. She is board certified in Plastic Surgery and specializes in wound care, cosmetic and plastic surgery, as well as acute and reconstructive surgery for the treatment of burns.

Kinjal Sethuraman, MD is the Associate Director of Hyperbaric Medicine at R Adams Cowley Shock Trauma Center. Her research interest includes hyperbaric oxygen as treatment for carbon monoxide toxicity, radiation injury, decompression illness, ophthalmic conditions and necrotizing soft tissue infections. She engages in basic science research related to hyperbaric medicine.

Stephen Kaufman, Esq. - Mr. Kaufman focuses his practice on providing full service legal representation to individuals and businesses, with an emphasis on helping those in the healthcare, insurance and hospitality industries. He is a former member of the Publisher's Advisory Board for Doctor of Dentistry magazine. He also acted as an adjunct professor of law at Stevenson University in Baltimore, Maryland, teaching constitutional law, advanced civil procedure and legal research.

Adam Silverman, DPM is a board-certified podiatrist and medical director of wound care at HyperHeal. He is a member of the American Podiatric Medical Association and the Maryland Podiatric Medical Association.

Peter Allinson, MD is Medical Director, Hyperbarics at HyperHeal, Rosedale. He has 37 years of experience. His specialties include Hyperbaric Oxygen Therapy, Anesthesiology and Critical Care Medicine. Director of Hyperbaric Medicine, Co-Director Wound Care @ Medstar Good Samaritan Hospital. U.S.N./ N.O.A.A./ U.H.M.S. Certified Diving Medical Officer.

Dale Buchbinder, MD Dr. Dale Buchbinder is a vascular surgeon with Maryland Vascular Specialists and is affiliated with multiple hospitals in the area, including Greater Baltimore Medical Center and MedStar Good Samaritan Hospital. He received his medical degree from Chicago Medical School at Rosalind Franklin University and has been in practice for more than 20 years.

Sarva Girdhar, MD is a general surgeon in Westminster, Maryland and is affiliated with Carroll Hospital Center. He received his medical degree from Guwahati Medical College and has been in practice for more than 20 years.

REGISTRATION FORM

The 2019 Symposium on Hyperbaric Medicine

March 30-31, 2019 • Hyatt Regency Baltimore Inner Harbor

Mail form and payment to:

HyperHeal Hyperbarics
7600 Osler Drive, Suite 305
Towson, MD 21204

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CONTACT INFORMATION

Name of Registrant - <i>first name, middle name or initial, and last name</i>		Degree - <i>select all that apply</i> <input type="checkbox"/> MD <input type="checkbox"/> PhD <input type="checkbox"/> DO <input type="checkbox"/> PA <input type="checkbox"/> NP <input type="checkbox"/> RN <input type="checkbox"/> Other - <i>specify</i>	
Name of Institution - <i>Business</i>		Medical Specialty	
Preferred Mailing Address - <i>select one</i> <input type="checkbox"/> Work/Business <input type="checkbox"/> Home			
Work/Business Address - <i>street address</i>		Work Phone	
City	State or Province	ZIP or Postal Code	
Home Address - <i>street address</i>		Home Phone	
City	State or Province	ZIP or Postal Code	
Primary E-mail Address		Fax	Fax location - <i>select one</i> <input type="checkbox"/> Work/Business <input type="checkbox"/> Home
<div>SPECIAL NEEDS If you have special assistance needs or dietary restrictions, describe here:</div>			

REGISTRATION

Registration Fee:	
\$350 physicians - early bird pricing \$300, register by February 15, 2019	\$ _____
\$175 PAs, NPs, RNs, Medical Students - early bird pricing \$150, register by February 15, 2019	\$ _____
Total Payment Enclosed	\$ _____

PAYMENT INFORMATION

<input type="checkbox"/> Check is enclosed in the amount shown at right - <i>make checks payable to Mayo Clinic</i>			Payment Total
Credit Card - <i>select one</i> <input type="checkbox"/> Discover <input type="checkbox"/> MasterCard <input type="checkbox"/> Visa	Account Number	Exp Date - <i>mm/yy</i>	
Name of Cardholder - <i>as it appears on the card</i>			Signature of Cardholder - <i>required</i>



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