



Life Support Technologies group  
Advanced Wound Care and Hyperbaric Services  
www.LifeSupport-USA.com

# INTRODUCTION TO HYPERBARIC MEDICINE

## Physician Hyperbaric Training and Certification

Approved for:

40 AMA, PRA CATEGORY 1 CME™ Credit Hours  
for Physicians

## Nurse / Technician Hyperbaric Training Pathway Course for CHT / CHRN Board Certification

### CentraState Medical Center

Freehold, New Jersey

COURSE DATES:

**Friday July 17**  
**thru Tuesday July 21, 2009**  
**8 AM to 5 PM**

Presented By:

#### **J.C. DiGiacomo, MD, FACS**

Board Certified - Hyperbaric Medicine - Trauma and Wound Care Specialist

#### **Edward Golembe, MD**

Board Certified - Hyperbaric Medicine - Plastic Surgery

#### **R.W. Bill Hamilton, Ph.D.**

Member - NFPA - 99 Hyperbaric Facilities Committee

#### **Glenn J. Butler, CHT**

Member of Undersea and Hyperbaric Medical Society Safety Committee

#### **Michael W. Allen**

Member - ASME Pressure Vessels for Human Occupancy Committee

#### **Bernie Chowdhury, CHT**

### **LOCAL LODGING AVAILABLE**

#### **Registration Fee** (includes course materials)

MD, DO, DPM	\$ 975.00
RN, LPN, RT, PARAMEDIC, EMT	\$ 775.00

FOR FURTHER INFORMATION AND COURSE REGISTRATION PACK

CONTACT: MS. PATRICIA ROONEY - (914) 361 - 6535

Visit: [www.LifeSupport-USA.com](http://www.LifeSupport-USA.com) or Email: LSTcourses@aol.com

for Registration Form and Course Outline



The Mount Vernon Hospital



New York Medical College



WESTCHESTER MEDICAL CENTER  
WORLD-CLASS MEDICINE THAT'S NOT A WORLD AWAY.<sup>SM</sup>  
Celebrating 25 Years of Advanced Care



The Undersea & Hyperbaric  
Medical Society



## Course Summary

The course covers indications and contraindications to hyperbaric oxygen treatment, hyperbaric treatment protocols, the economics of hyperbaric practice, management of emergencies, and instruction in the use of the monoplace chamber as well as ancillary equipment associated with hyperbaric oxygen treatment. The course provides the credentials recommended for Physician Hyperbaric Supervision and CHT certification by the National Board of Diving and Hyperbaric Medical Technology.

## Objectives

The terminal training objectives of this course are to provide participants enough information to initiate and provide safer hyperbaric oxygen treatment in their own institutions using a monoplace chamber. Additionally, participants will have enough information at hand, including information concerning multiplace operation, to prepare for the certification examination of the National Board of Diving and Hyperbaric Medical Technology.

## Class Schedule

**Actual Class Schedule May Change**

### Day 1 – Hyperbaric and Diving Medicine Friday July 17, 2009

- Course Overview and Introductions
- Historical Perspective of Hyperbaric Medicine
- UHMS Accepted Indications
- Mechanisms of Hyperbaric Oxygen
- Mechanisms of Wound Healing
- Patient Evaluation & Selection for HBO<sub>2</sub> Treatment
- Management of Chronic Wounds

### Day 3 - Mechanisms and Indications Sunday July 19, 2009

- Trauma, Crush Injury, Compartment Syndrome
- Reperfusion Injury
- Exceptional Blood Loss Anemia
- Using Hyperbaric Oxygen to Overcome Poisoning
- Research Areas
- Relative and Absolute Contraindications
- Risks and Side Effects of Hyperbaric Oxygen
- Myringotomy

### Day 2 – Introduction and History of HBO<sub>2</sub> Saturday July 18, 2009

- Introduction to Medical Aspects of Diving
- DCI and Development of Decompression Tables
- Barotrauma and Air Embolism
- Use of Decompression Tables
- Radionecrosis
- Infectious Disease, Osteomyelitis, Gas Gangrene
- Thermal Burns

### Day 4 – HBO<sub>2</sub> Mechanisms and Indications Monday July 20, 2009

- Insurance and Reimbursement Considerations
- Economics of Chamber Operations
- Nursing Considerations
- Hands-on Experience with the Hyperbaric Chamber
- Simulated Emergencies

### Day 5 – Chamber Operations Tuesday July 21, 2009

- Uses of the TCpO<sub>2</sub> Meter
- Hands on with the TCpO<sub>2</sub> Meter
- Technician Considerations
- Exam

# INTRODUCTION TO HYPERBARIC MEDICINE



**TARGET AUDIENCE:** M.D.s, D.P.M.s, D.O.s, R.N.s, R.T.s, EMTs, Paramedics and other health care professionals and administrators.

**EXPECTED RESULTS:** After completion of the Introduction to Hyperbaric Medicine course, participants should be able to:

- Discuss the scientific and medical rationale for using hyperbaric oxygen to treat patients
- Give a brief summary of the history of hyperbaric oxygen
- Describe the mechanisms of action triggered by hyperbaric oxygen
- List several hyperbaric oxygen case studies of successful treatments
- Name research areas of on-going hyperbaric study and areas where more research is warranted
- List treatment protocols, safety issues and contraindications for hyperbaric oxygen treatment
- Describe the affects of hyperbaric oxygen and drug interactions
- Give a brief outline of the economics of chamber operations and reimbursement for hyperbaric oxygen treatment

**ACCREDITATION STATEMENT:** This activity has been planned and implemented in accordance with the Essential Areas and Policies of the Accreditation Council for Continuing Medical Education (ACCME) through the joint sponsorship of the Undersea & Hyperbaric Medical Society (UHMS) and the Life Support Technologies group. The UHMS is accredited by the ACCME to provide continuing medical education for physicians.

**DESIGNATION STATEMENT:** The UHMS designates this educational activity for a maximum of 40 AMA PRA Category 1 Credit™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

**FULL DISCLOSURE STATEMENT:** All faculty/ planning members participating in continuing medical education activities sponsored by the Life Support Technologies group are expected to disclose to the participants any real or apparent conflict of interest related to the content of their presentation. Full disclosure of faculty relationships will be made at the activity.

## Registration Details

**The Registration fee for this program is:**

MD, DO, DPM.....\$975.00  
RN, LPN, RRT Paramedics, EMT, Technicians..... \$775.00

Please return registration form promptly with check payable to:

**Life Support Technologies, Inc.**

Mail to:

Life Support Technologies, Inc.  
The Mount Vernon Hospital  
12 North Seventh Ave.  
Mt. Vernon, NY 10550

Substitute attendees are permitted. In the unlikely event that this program must be cancelled, the entire submitted registration fee will be refunded without further liability on the part of the organizers.

*For further information and Directions call:*

*(914) 361- 6795 or 6535 Fax: (914) 664-0955*

*Or Visit Our Web Site: [www.LifeSupport-USA.com](http://www.LifeSupport-USA.com)*

*E-mail: [LSTcourses@AOL.COM](mailto:LSTcourses@AOL.COM)*

# Registration Form

## Clinical Hyperbaric Medicine

CentraState Medical Center  
Freehold, New Jersey

July 17<sup>th</sup> thru July 21<sup>st</sup>  
2009



**\*\*\*Print your Name and Degree as you would like them to appear on your Course Credit Certificate\*\*\***

Print Name:

\_\_\_\_\_  
First Middle Last Degree(s)

Mailing Address:

\_\_\_\_\_  
\_\_\_\_\_

Phone #: \_\_\_\_\_

E-Mail Address: \_\_\_\_\_

Hospital Affiliation: \_\_\_\_\_

Specialty: \_\_\_\_\_

\_\_\_ Clinical Hyperbaric Medicine  
MD, DO, DPM (\$975.00)

\_\_\_ Clinical Hyperbaric Medicine  
Nurses and Techs (\$775.00)

Please Make Checks Payable to:

Life Support Technologies, Inc.  
12 North 7<sup>th</sup> Ave, - 5 West  
Mount Vernon, NY 10550

# LST 40-hour UHMS Course, July 17<sup>th</sup> – 22<sup>nd</sup>, 2009

## Introduction to Hyperbaric Medicine

### About the area

The summer course is to be held at CentraState Medical Center which is located in the town of Freehold, New Jersey. The course will be held in the recently opened ultra-modern Star and Barry Tobias Ambulatory Care Center, which among other things is home to the Central Jersey Wound and Hyperbaric Treatment Center, Physical Therapy and Rehabilitation, and a fitness center. All of these facilities are state-of-the-art. Course attendees and their families will be offered free membership of the fitness center for the period of the course. To learn more about the hospital go to [www.centrastate.com](http://www.centrastate.com)

Freehold Township is conveniently located in central New Jersey halfway between New York City and Philadelphia. Close to two international airports, it is 50 minutes from Newark Liberty International and 80 minutes from Philadelphia International. Located less than 30 minutes from the beautiful Jersey shore and Six Flags Great Adventure theme park it is an ideal place to bring the family and make your learning experience a holiday experience for them. If you like harness racing the famous Freehold Raceway is the oldest and fastest half-mile track in the country. For shoppers the Raceway Mall boasts some 215 shops to suit all tastes. To learn more go to [www.freehold-nj.com](http://www.freehold-nj.com)

### Local Accommodations

This hotel is offering special room rates for course attendees:

#### **The Radisson Hotel Freehold**

50 Gibson Place, Freehold, NJ 07728. Tel: 732-780-3870

This newly renovated Radisson hotel (previously Freehold Gardens) is located just minutes from CentraState Medical Center. Parking at the hotel is complimentary. Transportation between the hotel and the hospital will be available for course attendees at the beginning and end of each day. The hotel offers luxurious accommodations and premier amenities including an outdoor pool. They offer discounted tickets for the Six Flags Great Adventure which is close-by and can provide information about other local and shore amenities. Discounted rates Standard Rooms are offered to course attendees at \$119.00 per night Sunday through Thursday, and \$159.00 per night Friday and Saturday. They will be available for check-in on Thursday 16<sup>th</sup> Jul, 2009. You can make your booking in two ways:

- Dial the Radisson Front Desk directly and ask for the **Life Support Technologies** rate
- Online at [www.radisson.com/freeholdnj](http://www.radisson.com/freeholdnj). Under “Check Rates and Availability” enter your arrival/departure dates. Hit “Go.” On the right under “Search for Special Rate” type **LIFEST** under “Promotional Code and the discounted rates will be accessed.

These rates will be available up to 30 days prior to the start of the course. Please book before June 16<sup>th</sup> 2009 to secure your discounted rate.

If the Radisson is not to your taste, there are many other hotels within easy travel distance of the hospital. These can be accessed from [www.freehold-nj.com](http://www.freehold-nj.com)