



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 Hospital

Freehold, New Jersey

Friday October 15,  
thru Tuesday October 19, 2010  
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>®</sup>  
Celebrating 25 Years of Advanced Care



The Undersea & Hyperbaric  
Medical Society



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Advanced Wound Care and Hyperbaric Services  
www.LifeSupport-USA.com

### 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 – Diving Medicine

Friday October 15, 2010

- 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 October 17, 2010

- 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 October 16, 2010

- 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 October 18, 2010

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

#### Day 5 – Chamber Operations

Tuesday October 19, 2010

- 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 Hospital  
Freehold, New Jersey

October 15<sup>th</sup> thru October 19<sup>th</sup>  
2010



**\*\*\*\*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