INTRODUCTION TO HYPERBARIC MEDICINE

Physician Hyperbaric Training and Certification
Approved for:
42 AMA, PRA CATEGORY 1 CME™ Credit Hours
for Physicians

Nurse / Technician Hyperbaric Training
(CEUs issued through National Diving Board – see below)

CME Disclosure

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 Undersea and Hyperbaric Medical Society designates this live activity for a maximum of 42 AMA PRA Category 1 Credits™. Physicians should claim only the credit commensurate with the extent of their participation in the activity.

Full Disclosure Statement

All faculty members and planners participating in continuing medical education activities sponsored by the Life Support Technologies group are expected to disclose to the participants any relevant financial relationships with commercial interests. Full disclosure of faculty and planner relevant financial relationships will be made at the activity.

CEU Disclosure

THIS COURSE HAS BEEN REVIEWED AND APPROVED BY THE NATIONAL BOARD OF DIVING & HYPERBARIC MEDICAL TECHNOLOGY AS AN INTRODUCTORY COURSE IN HYPERBARIC MEDICINE
Winthrop University Medical Center  
Mineola (Long Island), New York  

Saturday October 6, 2012 thru Wednesday October 10, 2012  
** Course Dates Subject to Change **  
8 AM to 5 PM  

Presented By:  
Scott Gorenstein, MD  
Board Certified – Hyperbaric Medicine - Emergency Medicine  

Edward Golembie, MD  
Board Certified in Hyperbaric Medicine – Plastic Surgery  

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  
Author – “The Last Dive”  

LOCAL LODGING AVAILABLE  

Registration Fee  
(includes course materials)  

MD, DO, DPM  
$ 975.00  

RN, LPN, RT, PARAMEDIC, EMT  
$ 775.00  

FOR FURTHER INFORMATION  
CONTACT: MS. PATRICIA ROONEY - (914) 333–8412  
Visit: www.LifeSupport-USA.com or Email: LSTcourses@aol.com  

The Hudson Valley Regional Wound and Hyperbaric Center at the Westchester Medical Center  
The Regional Wound Care and Hyperbaric Medicine Center  

The Wound Healing and Hyperbaric Center at Virtua Berlin Hospital  
Winthrop University Hospital  

The Central Jersey Wound Treatment Center at CentraState Medical Center  
The Wound Care Center and Hyperbaric Medicine Program at Winthrop University Hospital  

The Institute for Wound Care and Hyperbaric Medicine at Hudson Valley Hospital  
The Wound and Hyperbaric Institute at Good Samaritan Hospital  

Center for Advanced Healing and Hyperbaric Medicine at St. Francis Hospital and Medical Center  
The Kingston Wound Healing and Hyperbaric Center at Kingston Hospital  

Diver’s Alert Network  
New York Medical College  
A Member of the State University System
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. See “GOALS”, below, for specifics on how this course bridges Hyperbaric Medicine Professional Practice Gaps.

Class Schedule

Actual Class Schedule May Change

<table>
<thead>
<tr>
<th>Day 1 – Introduction and History of HBO₂</th>
<th>Day 2 – Patient Evaluation and Selection for HBO₂</th>
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<tbody>
<tr>
<td>Saturday, October 6, 2012</td>
<td>Sunday, October 7, 2012</td>
</tr>
<tr>
<td>⬤ Course Overview and Introductions</td>
<td>⬤ Infections and Hyperbaric Oxygen Therapy</td>
</tr>
<tr>
<td>⬤ Historical Perspective of Hyperbaric Medicine</td>
<td>⬤ Contraindications and Complications</td>
</tr>
<tr>
<td>⬤ Basic Physics of Hyperbaric Treatment</td>
<td>⬤ Patient Evaluation &amp; Selection for HBO₂ Treatment</td>
</tr>
<tr>
<td>⬤ Mechanisms of Hyperbaric Oxygen</td>
<td>⬤ Trauma, Crush Injury, Compartment Syndrome</td>
</tr>
<tr>
<td>⬤ Mechanisms of Wound Healing</td>
<td>⬤ Reperfusion Injury</td>
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<tr>
<td>⬤ Management of Chronic Wounds</td>
<td>⬤ Exceptional Blood Loss Anemia</td>
</tr>
<tr>
<td>⬤ UHMS Accepted Indications</td>
<td>⬤ Introduction to Transcutaneous Oxygen Monitoring</td>
</tr>
<tr>
<td>⬤ Radionecrosis and Late Effects of Radiation</td>
<td>⬤ Hands-on Hyperbaric Chamber Operation</td>
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<tr>
<th>Day 3 – Side Effects of HBO₂</th>
<th>Day 4 – HBO₂ Departmental Considerations</th>
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<tr>
<td>Monday, October 8, 2012</td>
<td>Tuesday, October 9, 2012</td>
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<tr>
<td>⬤ Thermal Burns</td>
<td>⬤ Insurance and Reimbursement Considerations</td>
</tr>
<tr>
<td>⬤ Introduction to Medical Aspects of Diving</td>
<td>⬤ Nursing Considerations</td>
</tr>
<tr>
<td>⬤ Myringotomy</td>
<td>⬤ Technician Considerations</td>
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<tr>
<td>⬤ Using Hyperbaric Oxygen to Overcome Poisoning</td>
<td>⬤ Risks of Hyperbaric Oxygen</td>
</tr>
<tr>
<td>⬤ Side Effects of Hyperbaric Oxygen</td>
<td>⬤ Decompression Illness, Treatment, and Oxygen Tolerance</td>
</tr>
<tr>
<td>⬤ Simulated Emergencies</td>
<td>⬤ Use of Decompression Tables, Parts I and II</td>
</tr>
<tr>
<td>⬤ Critical Care in a Monoplace Chamber</td>
<td></td>
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<tr>
<td>⬤ Barotrauma and Gas Embolism</td>
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| Day 5 – Economics of Chamber Operations | |
| Wednesday, October 10, 2012 | |
| ⬤ Economics of Chamber Operations | |
| ⬤ Research Areas                | |
| ⬤ FINAL Exam                    | |
| ⬤ Correction and Discussion of Final Exam | |
| ⬤ Course Critique and Conclusion | |
| ⬤ TCpO2 Meter – Hands-on       | |
INTRODUCTION TO HYPERBARIC MEDICINE

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

GOALS: This course will bridge Hyperbaric Medicine Professional Practice Gaps as follows:

- Instill Hyperbaric Medical knowledge (as demonstrated through practical exercises and by a final written examination) among physicians and allied health professionals.
- Provide physicians with a recognized professional education course that may help them become hospital credentialed to supervise hyperbaric medical activities that take place in their institution(s).
- Empower physicians with knowledge regarding which patients will be good candidates for hyperbaric treatment based on CMS and UHMS guidelines.
  - Provide improved clinical outcomes to hyperbaric-appropriate patients through the use of Hyperbaric Medicine.
- Give physicians and allied health professionals information and guidelines about procedures for treating hyperbaric patients, from initial consultation through intake, testing, and actual treatment protocols.
- Provide physicians and allied health professionals a list of contra-indications for Hyperbaric Medicine.
- Identify the economics of hyperbaric medicine and how practitioners may avoid payment pitfalls.

Registration Details

The Registration fee for this program is:

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

Please Fax Completed Form to
(914) 333-8418

Please Mail Payment (Check or Money Order Only) to:

Life Support Technologies Group
580 White Plains Road – Suite 110
Tarrytown, NY 10591

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 please call:
(914) 333-8412 or
Visit Our Web Site: www.LifeSupport-USA.com
E-mail: LSTcourses@AOL.COM
# Registration Form

## Clinical Hyperbaric Medicine

Winthrop University Medical Center  
Mineola (Long Island), New York  

October 6\(^{th}\) thru October 10\(^{th}\), 2012

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

**Print Name:**

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<tr>
<th>First</th>
<th>Middle</th>
<th>Last</th>
<th>Degree(s)</th>
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**Mailing Address:**

_________________________________________________________________________________  ____________________________

_______________________________________________________________________________________________________________

**Phone #:**

_____________________________________________________________________________________________________

**E-Mail Address:**

_____________________________________________________________________________________________________

**Hospital Affiliation:**

_____________________________________________________________________________________________________

**Specialty:**

_____________________________________________________________________________________________________

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___ Clinical Hyperbaric Medicine MD, DO, DPM ($975.00)  

___ Clinical Hyperbaric Medicine Nurses and Techs ($775.00)  

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