



## APPLICATION

All applications will be reviewed by the Course Director. The Department of Hyperbaric Medicine reserves the right to choose applicants whom we feel would benefit the most from this course.

**Please print legibly. Fax or mail application and course fee to address on the back panel. Make checks payable to: Long Beach Memorial Center for Health Education. You may also pay by credit card.**

CC# \_\_\_\_\_  
exp. date: \_\_\_\_\_

Questions? [SHart@memorialcare.org](mailto:SHart@memorialcare.org)

Phone: 562-933-6950

Fax: 562-933-6060

MD (\$850) \_\_\_\_\_

RN/RT/Allied Health (\$750) \_\_\_\_\_

Name: \_\_\_\_\_

Address: \_\_\_\_\_

City: \_\_\_\_\_ State/Zip: \_\_\_\_\_

Department: \_\_\_\_\_

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

e-mail: \_\_\_\_\_

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

What hyperbaric medicine experience do you have? \_\_\_\_\_

How do you intend to use your training? \_\_\_\_\_

\_\_\_\_\_

DEPARTMENT OF HYPERBARIC MEDICINE  
LONG BEACH MEMORIAL MEDICAL CENTER  
2801 ATLANTIC AVE  
LONG BEACH, CA 90806

 **MEMORIALCARE®**  
LONG BEACH MEMORIAL MEDICAL CENTER



## INTRODUCTION TO HYPERBARIC MEDICINE AND WOUND CARE



LONG BEACH, CA

**MAY 4-8, 2009**

**NOVEMBER 2-6, 2009**

## Goals and Objectives

This week-long, 40-hour Introductory Course in Hyperbaric Medicine and Wound Care will provide participants with an overview of the field of hyperbaric medicine and wound care.

At the completion of this course, participants should be able to discuss the scientific and medical rationales governing the use of hyperbaric oxygen in the treatment of various medical conditions.

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 Long Beach Memorial Medical Center (LBMMC). The UHMS is accredited by the ACCME to provide continuing medical education for physicians.

The UHMS designates this educational activity for a maximum of 40 AMA PRA Category I Credits™. Physicians should only claim credit commensurate with the extent of their participation in the activity.

The California Board of Registered Nursing recognizes Category I courses approved for credit by the American Medical Association toward meeting the continuing education requirements for license renewal.

## Faculty

Stuart Miller, MD – Course Director  
Michael Strauss, MD – Medical Director  
George Hart, MD – Emeritus Director  
Thomas Ascuito, MD  
Patricia Chase, RN  
Eknath Deo, MD  
Alan Lewis, MD  
Valerie Messina, RN  
Rebecca Albert, RD

All faculty members and planners participating in continuing medical education activities sponsored by UHMS and LBMMC 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 and planners relationships will be made at the activity.

## Curriculum

### Historical Considerations

- Historical perspective of hyperbaric medicine
- Evolution of UHMS guidelines for using HBO<sub>2</sub>
- Other standards and guidelines

### Physics of Hyperbaric Exposure

- Physical laws applicable to barotrauma and hyperoxygenation
- Mechanisms of hyperbaric oxygen
- Oxygen physiology, pharmacology, and biochemistry

### Air Decompression Procedures

- Decompression theory
- Air Decompression tables

### UHMS Accepted Indications: Their Scientific Basis and Treatment Protocols

- Decompression sickness
- Air or gas embolism
- Carbon monoxide poisoning and smoke inhalation
- Gas gangrene (Clostridial myonecrosis)
- Crush injury, compartment syndrome, and other acute traumatic ischemias
- Enhancement of healing in selected problem wounds
- Exceptional blood loss (anemia)
- Necrotizing soft tissue infections
- Osteomyelitis, refractory
- Radiation tissue damage
- Skin grafts and flaps (compromised)
- Thermal burns
- Intra-cranial abscess
- Other uses of HBO<sub>2</sub>

### Side Effects and Contraindications

- Oxygen toxicity
- Other risk factors
- Contraindications
- Management of complications

### Patient Assessment and Management

- Tissue oxygen assessment
- Patient evaluation and selection for HBO<sub>2</sub> treatment
- Plan of treatment (assessment of treatment and endpoints)
- Wound care
- Care of diabetics during HBO<sub>2</sub>
- Management of the critical care patient during HBO<sub>2</sub>
- Infection control
- Documentation (e.g., record keeping, medical photography)
- Quality assurance

### Hyperbaric Chamber Systems

- Operating procedures
- Breathing gas systems
- Ancillary support equipment
- Environmental systems and their operations

### Hyperbaric Safety and Emergency Procedures

- Safety codes and standards
- Operational, electrical, and fire safety
- Emergency procedures

### Administrative/ Management Issues

- Reimbursement information
- Management responsibilities
- Professional societies and resources

### Clinical and Technical Practicum Practical experience and observations in:

- Patient assessment and management
- Hyperbaric chamber operations
- Ancillary hyperbaric equipment

### Evaluation

- Final examination
- Course critique