



UNDERSEA & HYPERBARIC MEDICAL SOCIETY

Raising the quality of practice one member at a time

UHMS President's Address

James R. Holm, MD, FACP, FACEP, FUHM

President UHMS

Virginia Mason Medical Center

Seattle, WA, USA

2015 UHMS ASM

Montreal, Canada

June 18th, 2015

UHMS Update

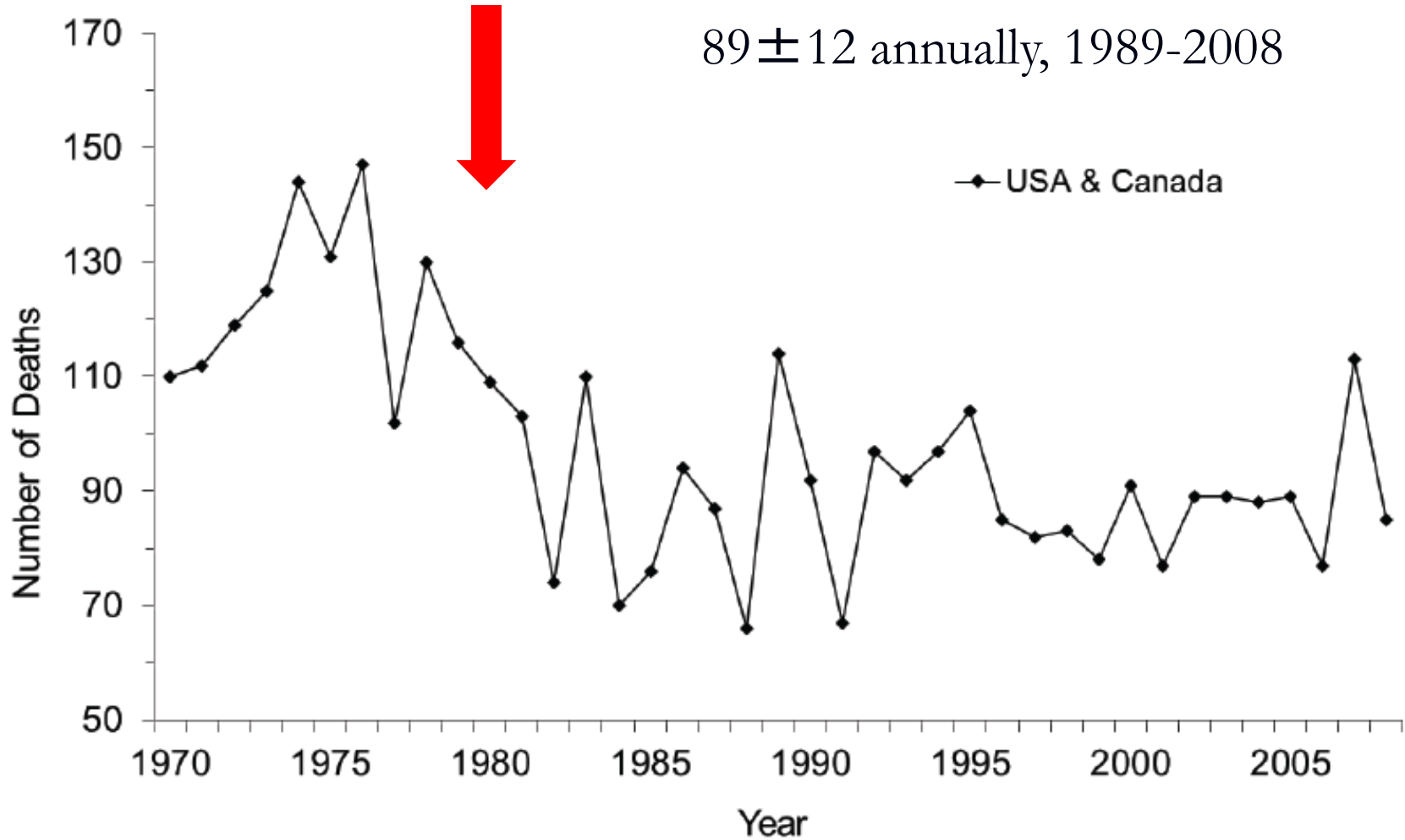
- 2015 ASM Preview
- UHMS Overview
- UHMS Leadership
 - Executive Office and Staff
 - Board of Directors
 - Chapters and Affiliates
- UHMS Update
 - Publications
 - Projects and Educational Offerings
- Future Meetings

Virginia Mason Medical Center (Seattle)

Center for Hyperbaric Medicine



Diving Fatalities Per Year



1980

UNDERWATER

INSTRUCTOR



The instructor identified on the reverse side is authorized to conduct classes in the designated specialty as sanctioned by the Professional Association of Diving Instructors.

Ralph Erickson
PRESIDENT

EXPIRES:
DEC 31, 1980

PADI

INTERNATIONAL

PROFESSIONAL ASSOCIATION OF DIVING INSTRUCTORS

NAME JAMES R. HOLM



11879

NUMBER

8/29/56

BIRTH DATE

5'11"

HEIGHT

175

WEIGHT

Blue

EYES

Blond

HAIR

INSTRUCTOR

PADI

2064 North Bush St.
Santa Ana, CA 92706

2015 Annual Scientific Meeting

UNDERSEA & HYPERBARIC
MEDICAL SOCIETY

ANNUAL SCIENTIFIC MEETING

HOTEL BONAVENTURE
MONTRÉAL

MONTRÉAL CANADA



JUNE 18-20
2015

PRE-COURSES: JUNE 17TH



Precourses

June 17th, 2015

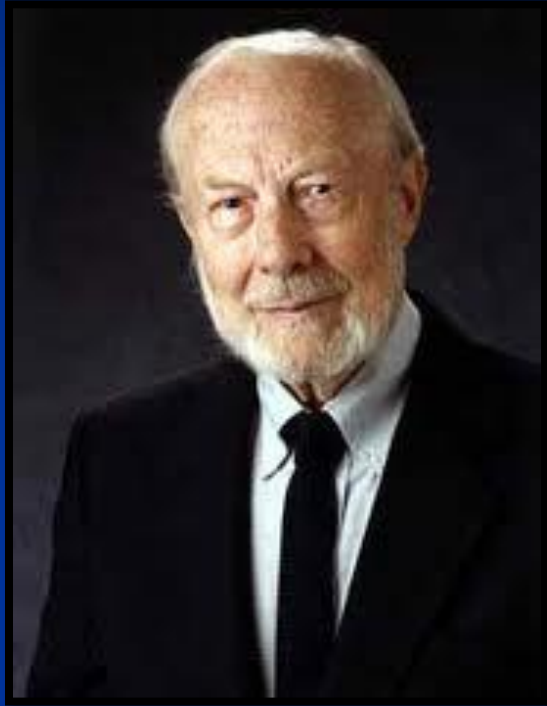
- Patent Foramen Ovale & Fitness to Dive Consensus Workshop
 - Course Directors: Petar Denoble, Alfred Bove, Richard Moon
 - Recorded, Proceedings (DAN/UHMS) and UHM Article

- Hyperbaric Oxygen Safety: Clinical and Technical Issues
 - Course Director: Jim Bell
 - Recorded

- How to Prepare for Accreditation
 - Course Director: Tom Workman

Keynote Presentations

UHM Legacy Lecture Series



Christian J. Lambertsen, MD

“Founding President of UMS”

Diving Medicine Related Topic



Eric P. Kindwall, MD

“Father of Hyperbaric Medicine”

Hyperbaric Medicine Related Topic

The Lambertsen Lecture



Alfred A. Bove, MD, PhD

“Lung Injury with Diving: Beyond Boyle’s Law”

Thursday, June 18th, 1:15pm to 2:15pm

The Kindwall Lecture



Paul J. Sheffield, PhD, CAsP, CHT

“Hyperbaric Safety: A Half-Century Commitment”

Friday, June 19th, 11:30am to 12:30pm

ASM Plenary Sessions

■ Thursday

- Neal Pollock: “Managing Decompression Stress: Beyond the Algorithm”
- William Li: “Angiogenesis and Hyperbaric Medicine”

■ Friday

- John Feldmeier: “Hyperbaric Oxygen and The Cancer Patient: Are You Concerned?”
- Optional Noon Plenary: Fife/Gelly/Gesell: “Hyperbaric Medicine in a Value Based Payment System: What Will it Take to Survive and Thrive”
- UHM Fellows: Gerald Godfrey, Charlotte Sadler: “New Pearls of Wisdom in the Diving and Hyperbaric Medicine Literature”

■ Saturday

- Folke Lind (moderator), Nicklas Oscarsson, Ian Millar: “International Perspectives: Update on Clinical Research Projects in Hyperbaric Oxygen Therapy”
- Neil Hampson: “My Secrets for Effective Practice-Based Clinical Research”
- Brett Hart: “Troubles with Bubbles: Lessons in Altitude Decompression Sickness”

Scientific Sessions

■ Thursday

- Session A: Diving/Decompression Illness: Theory & Mechanisms
- Session B: HBO₂ Therapy Mechanisms
- Associates Break Out Session

■ Friday

- Session C: Clinical HBO₂ Therapy
- Session D: Diving and Decompression Illness

■ Saturday

- Session E: HBO₂ Therapy, Chambers, and Equipment
- Session F: Clinical and Diving Related HBO₂ Therapy

■ 42 Oral Presentations (10 + 2 minutes): 113 Posters

Meetings and Social Events

■ Thursday

- 5:45pm to 6:45pm: Meet the Exhibitors (wine and cheese reception)

■ Friday

- 5:00pm to 6:00pm: UHMS Annual Business Meeting

■ Saturday

- 7:00pm to 7:30pm: Awards Banquet Reception
- 7:30pm to 10:00pm: Awards Banquet
- 10:00pm to 1:00am: After Party with DJ



UHMS Overview





Undersea and Hyperbaric Medical Society

- Founded in 1967 as UMS by 6 Navy diving officers
- Initially UHM was reluctant to include those in clinical hyperbaric medicine
- In 1986 the name was changed to UHMS
- The major scientific and professional society of diving and hyperbaric medicine in the world
- Over 2,200 members from 50 countries
- Not for profit 501(c)3

The UHMS Mission



■ Provide Forum

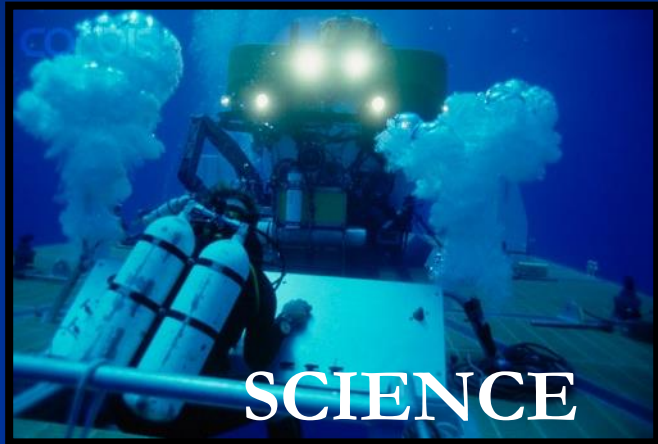
- Scientific Communication
- Applied Research
- Patient Treatment



■ Promote Exchange

- Life Sciences ↔ Others
- Undersea Medicine
- Hyperbaric Oxygen Therapy

The UHMS Mission



- Improve Knowledge
 - Educational Activities
 - Symposia / Workshops
 - Regional Chapter Meetings

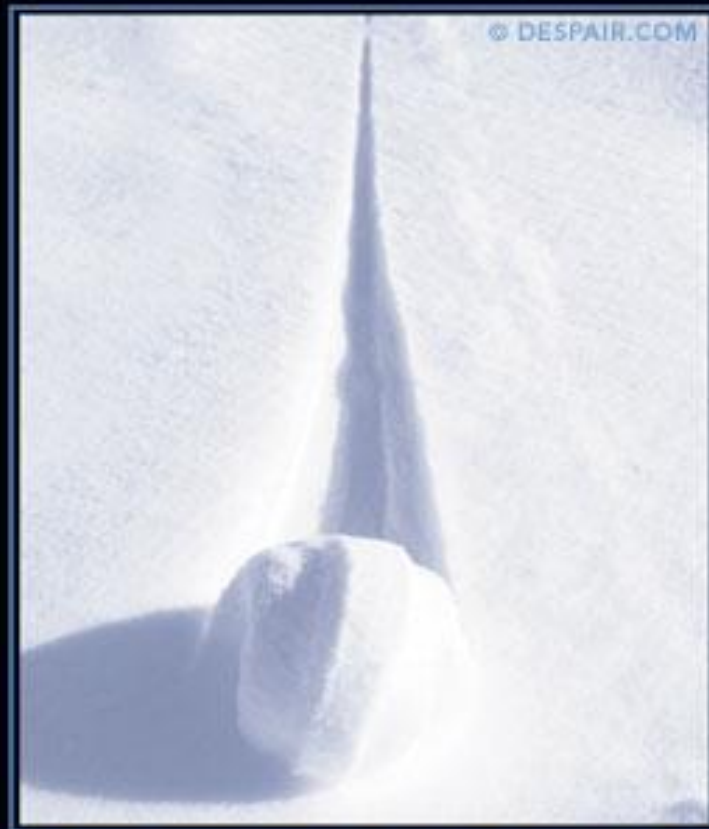


- Provide Information
 - Basic Sciences / Research
 - Clinical HBO₂ Practice
 - Legislative, Legal, Regulatory

“Team UHMS”

- UHMS Members
- Executive Director and Staff
- Board of Directors
- Committees
- Chapters
- Affiliates





TEAMWORK

A FEW HARMLESS FLAKES WORKING TOGETHER CAN
UNLEASH AN AVALANCHE OF DESTRUCTION.

Changes in UHMS

- New Leadership
- New Office
- New Website
 - Online Educational Offerings
 - MEDFAQs (old “Ask the Expert”)
- Updated Publications
 - UHM Journal and Pressure
- Improved Communication
 - Standard Committee/Chapter Reports
 - SBAR (Situation, Background, Assessment, Recommendation)

Changes in UHMS

- Adding Value for Members
 - Would Someone Pay for This?
- Eliminating Waste
- Building Relationship
 - Breaking Down Previous Barriers
 - Surveying Members & Non-members
 - Stakeholder Involvement & Feedback





Executive Director



Peter Bennett, PhD, DSc



John Peters, MBA, CHT

Undersea and Hyperbaric Medical Society Executive Office Staff



UHMS Offices



North Palm Beach, FL



San Antonio, TX

2014-2015 UHMS Board of Directors

President



James Holm

President Elect



Enoch Huang

Vice President



Folke Lind

Treasurer



Enrico Camporesi

Immediate Past
President



John Feldmeier

Past President



Brett Hart

MAL 2015



Tracy LeGros

MAL 2016



Nick Bird

MAL 2017



Jake Freiburger

Assoc. Nurse Rep



Valerie Short

Assoc. Tech Rep



Kip Posey

Exec. Director
(non-voting)



John Peters



LEADERSHIP

LEADERS ARE NOT BORN,
THEY ARE FORGED AT SEMINARS IN HOTELS BY THE AIRPORT.

2015-2016 Changes on the Board of Directors

Treasurer



Enrico Camporesi



Treasurer



Laurie Gesell

MAL 2015



Tracy LeGros

MAL 2018



Tracy LeGros



Assoc. Tech Rep



Kip Posey

Assoc. Tech Rep



Matt Schweyer



UHMS Committees

- ASM Program Committee
- Awards Committee
- Audit/Finance Committee
- Accreditation Council
- Associates Council
- Clinical Practice Guidelines Oversight Committee
- Decompression Illness Adjunctive Therapy Committee
- Diving Committee
- Education Committee
- FUHM Committee
- GME Committee
- Hyperbaric Oxygen Therapy Committee
- Library Liaison Committee
- Material Testing Advisory Committee (Ad Hoc)
- Membership Committee
- Nominations Committee
- Publications Committee
- Quality, Utilization, Authorization, and Reimbursement Committee (QUARC)
- Research Committee
- Safety Committee

© DESPAIR.COM



COMMITTEES

JUST LIKE TEAMWORK. ONLY WITHOUT THE WORK.

**“You’re either part of the solution or
you are part of the problem”**

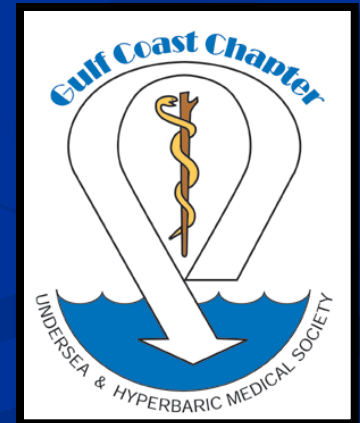
Eldridge Cleaver

**“Having no problems is the biggest
problem of all”**

Taiichi Ohno

UHMS U.S. Chapters

- UHMS President Elect (Enoch Huang) is the Representative on the Board for U.S. Chapters
- Now more standardized reporting and support
- “Chapter Handbook” soon to be released



International Affiliations

- UHMS Vice President (Folke Lind) is the Board Representative for International Affiliations

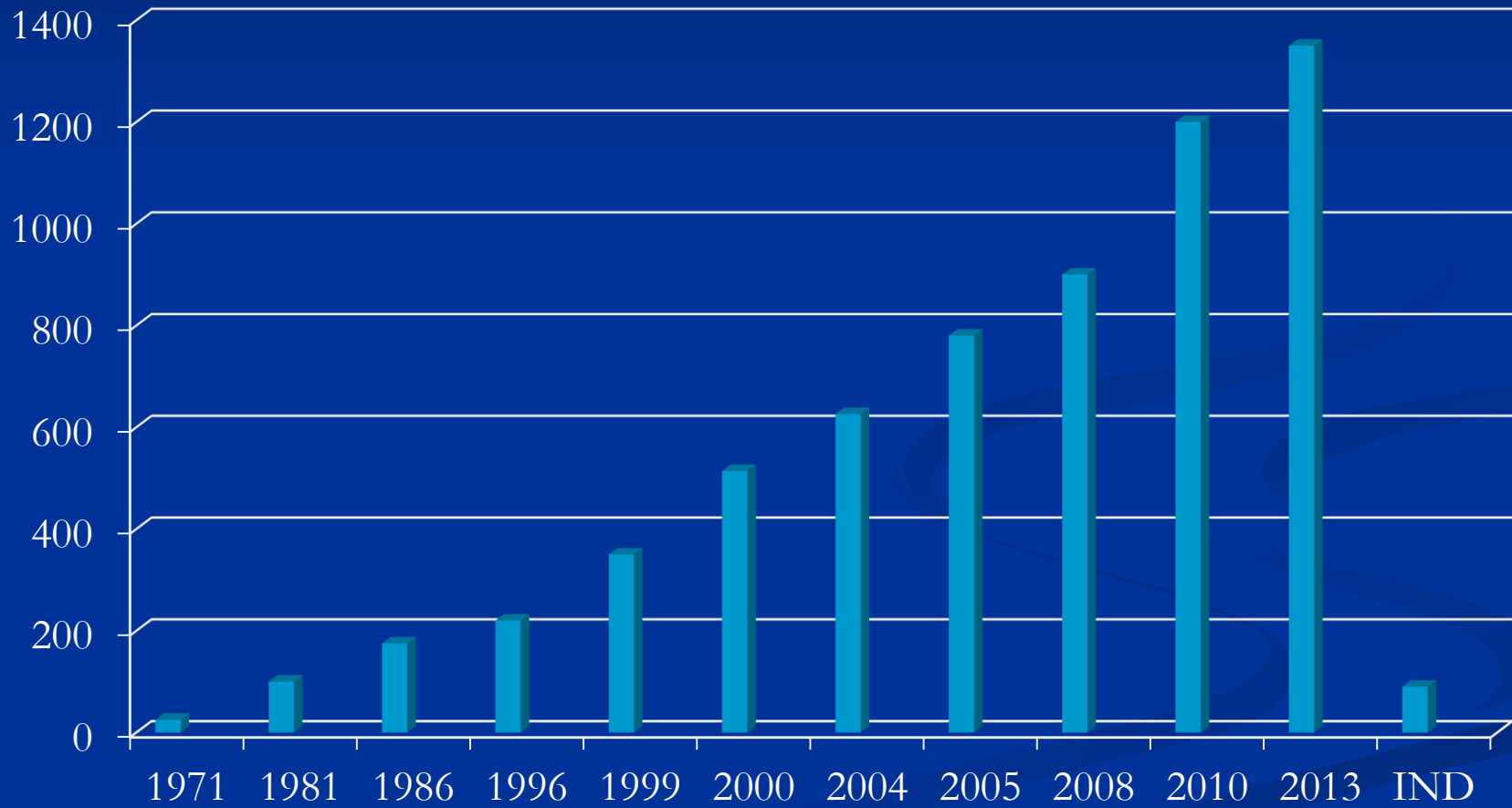


Proposed “Affiliate” Status

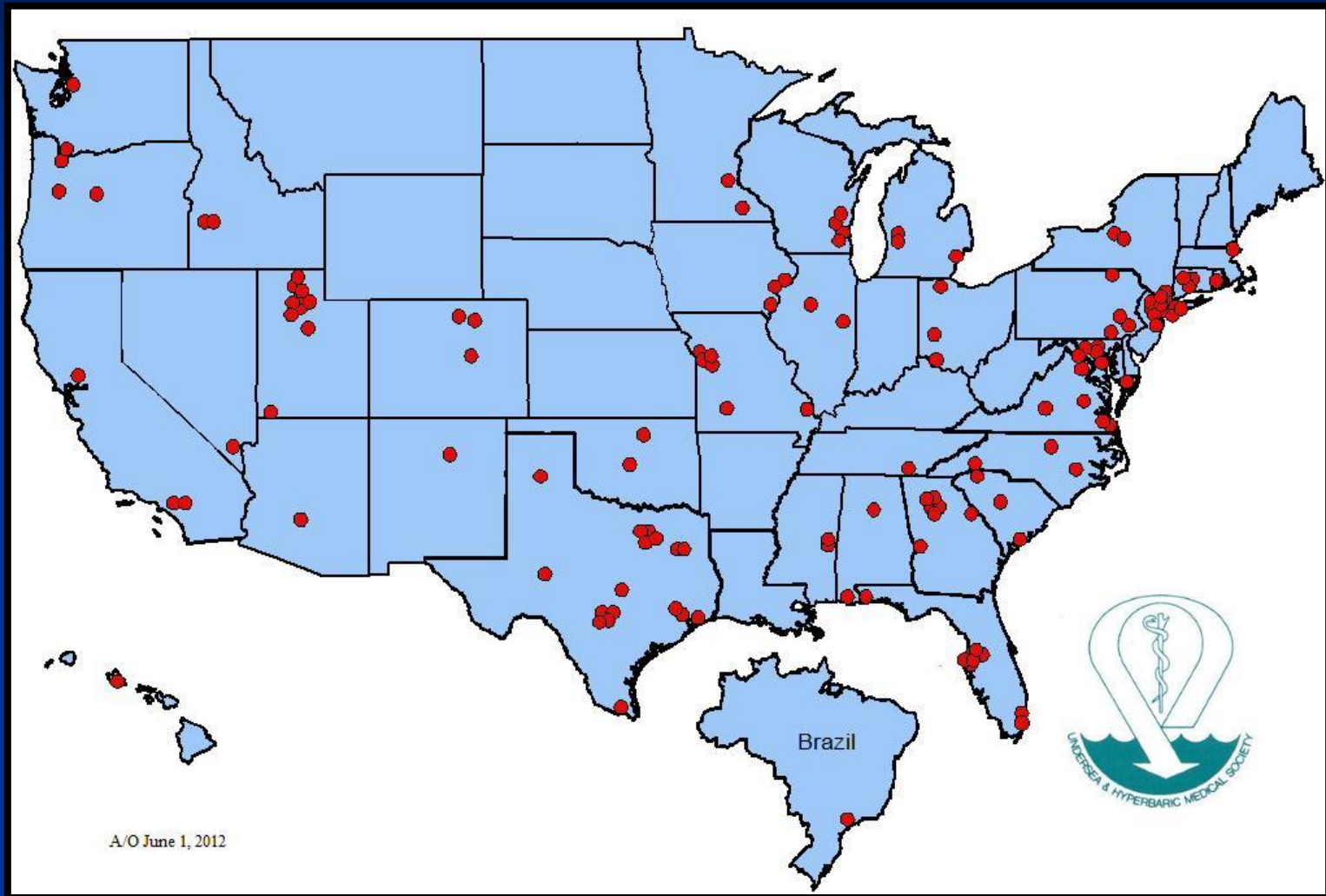
- Revised Definition of Affiliate Status
- New MOU
- Benefits to Affiliates
 - Discounted UHMS Dues
 - Full Membership Status
 - Combined Educational Activities
- Planning a GoToMeeting with Leadership

UHMS Facility Accreditation Program

Hyperbaric Medicine Facilities in the U.S.



UHMS Accredited Hyperbaric Facilities



214 Accredited Facilities, 40 “with distinction” (6/12/15)

UHMS Accreditation Program (QARA & AC)

- In March 2015, the accreditation program became ISO 9001-2008 certified



- International interest in UHMS accreditation continues
- Still working with Det Norske Veritas - Germanischer Lloyd (DNV-GL) to arrange for similar recognition to JC Complementary Accrediting Body
- Updating the software and probes
- Dr. Hart is taking over for Dr. Dear as AC Chair

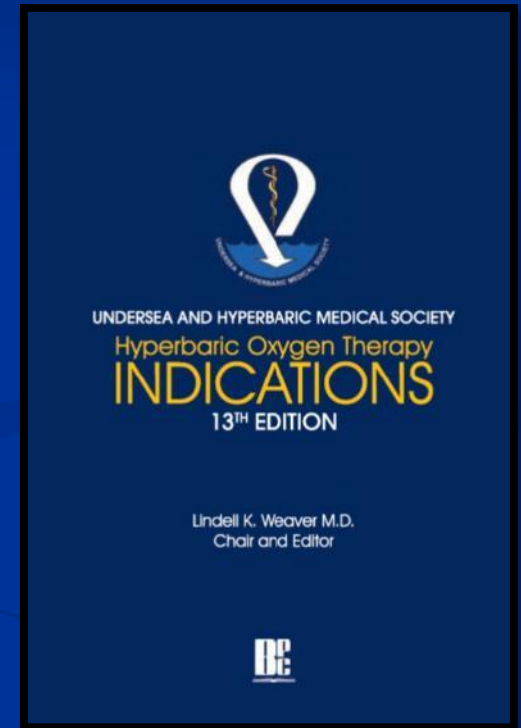
MTAC Project

- Material Testing Advisory Committee
 - Chairman: Richard Barry, CHT
 - Program to establish equipment and protocols to test product safety in a hyperbaric oxygen environment
 - Contracted with Wendell Hull and Associates



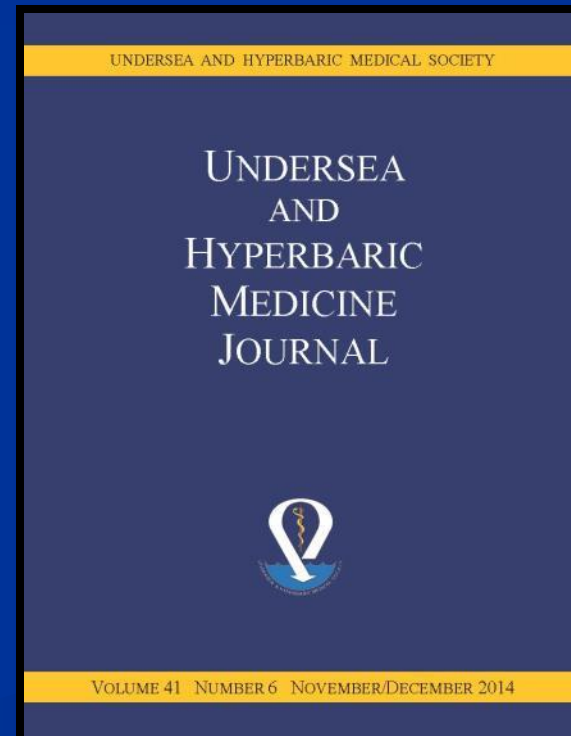
Publications

- **Hyperbaric Oxygen Therapy Committee**
 - New “Hyperbaric Oxygen Therapy Indications” (13th Edition)
 - Chair and Editor: Dr. Lin Weaver
 - Available in paper and eBook formats
 - Next Version’s Editor: Dr. Richard Moon



Publications

- Pressure
- Undersea and Hyperbaric Medicine Journal



Publications

- Clinical Practice Guidelines (CPGs)
- Comprehensive Textbook of Undersea and Hyperbaric Medicine
 - Editors: Tracy LeGros and Laurie Gesell
 - Over 50 Chapters and 30 Authors
- Hyperbaric “Journal Watch”

Fellowship Support



In the United States, Fellowship Training and UHM Board
Certification in Undersea and Hyperbaric Medicine
Remains the “Gold Standard”

Fellowship Support



The UCSD Undersea and Hyperbaric Medicine Fellowship is a one-year, ACGME accredited program, that is designed to provide physicians the opportunity to be educated and trained in the theory and practice of diving and hyperbaric medicine.

Fellows have the opportunity to train at the UCSD hyperbaric chamber, which is a multiplace chamber capable of treating the full range of conditions amenable to hyperbaric oxygen therapy.

LENGTH OF FELLOWSHIP - One Year

PREREQUISITES FOR APPLICATION

Residency from an ACGME accredited program

DUTIES OF FELLOW AT THIS FACILITY

Each fellow spends 6 months at UCSD Medical Center on the hyperbaric medicine service:

- 2 months at community based wound care centers
- 2 months dedicated research time
- 2 months of elective time. Fellows also spend 1-2 weeks at the Divers Alert Network.

TO APPLY:

Please contact the Fellowship Director:



Pete Witucki, M.D.
UCSD Medical Center
200 W. Arbor Dr. #8676
San Diego, CA 92103
(619) 543-6230
pwitucki@ucsd.edu

Program Coordinator:

Rosa Longacre
(619) 543-6213
rlongacre@ucsd.edu



COUNCIL OF FELLOWSHIP DIRECTORS
Undersea & Hyperbaric Medical Society



UC San Diego
HEALTH SYSTEM
UCSD Medical Center
200 W. Arbor Dr. #8676
San Diego, CA 92103
619.543.6230

Dr. Pete Witucki
pwitucki@ucsd.edu

<http://healthsciences.ucsd.edu/som/emergency-med/education/fellowships/hyperbaric/Pages/default.aspx>



UC San Diego
HEALTH SYSTEM



The program is designed to train 2 fellows annually. There are at least 5 hours per week of planned educational experiences and didactic teaching. Fellows also have the opportunity to lecture on undersea and hyperbaric medicine to medical students, residents, and community organizations.

BENEFITS OF OUR PROGRAM:

- 1) Broad exposure to all of the UHMS indications including diving injuries
- 2) Participation in diver death investigations through an organized committee
- 3) Research opportunities through both the UCSD Medical Center as well as the UCSD/Scripps Institute of Oceanography Diving Center of Excellence
- 4) On-call time as the Diving Medicine physician for the Divers Alert Network
- 5) Exposure to unique pathology given close proximity to US military facilities (i.e. Aviation OCS)

Fellowship training assures a comprehensive educational experience in Undersea/Hyperbaric Medicine. Through a developed curriculum, broad clinical exposure, research opportunities and periodic faculty evaluation fellowship training elevates physicians to the level of true experts in the field.



FACULTY AT OUR FELLOWSHIP PROGRAM

Ian Grover, MD
Karen Van Hoesen MD
Pete Witucki, MD
Marc Hare, MD
Steve Hayden, MD
Jake Jacoby, MD
Emi Latham, MD
Jim Killeen, MD
Anthony Medak, MD
Tom Neuman, MD
Davut Savaser, MD
Brian Snyder, MD
Chris Tomaszewski, MD
Cesar Anderson, MD



THE SPECIALTY

Undersea and Hyperbaric Medicine (UHM) is defined by the ACCME as "a discipline that deals with the prevention of injury and illness due to exposure to environments in which the ambient pressure is increased" and "the therapeutic use of high environmental pressure and the delivery of oxygen under high pressure to treat disease." However, there is much more. A UHM specialist not only treats diving emergencies, but radiation injuries, deadly infections, compromised and devascularized tissues, ocular emergencies, gas toxicities, and more. A UHM physician is a vital part of a cohesive plan of care for many interesting and complex groups of patients.

WHY SPECIALIZE IN UHM?

UHM is a diverse specialty that offers the opportunities to practice clinical, academic, research, and administrative aspects of hyperbaric and diving medicine. Medical patients are referred from critical care, surgery, plastics, medicine, OMFS, orthopedics, ophthalmology, podiatry, and emergency medicine. Diving patients hail from recreational, commercial, research, scientific, military, and technical diving backgrounds. Moreover, the current research being conducted in the areas of medical resuscitation, traumatic brain injury, trauma, sepsis, and vasculopathies will continue to open new opportunities for UHM physicians.

FUHM Recognition

- Fellow of Undersea and Hyperbaric Medicine
 - Highest Level Award in UHM
 - For Clinicians and Scientists
 - Awarded at the ASM each year
 - Deadline for application: January 1 each year



Physician Education



- UHMS/Stellenbosch University Program
 - Online programs with proctoring and exams
- Certificate of Added Qualification (CAQ)
- Now Oversight by the GME Committee

New UHMS Website



UNDERSEA & HYPERBARIC MEDICAL SOCIETY

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UNDERSEA & HYPERBARIC MEDICAL SOCIETY

2017 Annual Scientific Meeting

Join us in Celebrating our 50th Anniversary in the SUN & FUN!

SAVE THE DATE **JUNE 22-24**
Pre-courses: June 21

Wyndham Grand Rio Mar Beach Resort & Spa, Puerto Rico

↓ FIND IT FAST ↓

[Attend the 2015 UHMS Scientific Meeting](#)[Tell a Colleague About UHMS](#)[News & Announcements](#)[Pay Dues](#)

Welcome!

The Undersea and Hyperbaric Medical Society (UHMS) is an international non-profit organization serving more than 2,400 members from more than 50 countries. The UHMS is the primary source of scientific information for diving and hyperbaric medicine physiology worldwide.

Quality Assurance & Regulatory Affairs Assistant

UHMS SEEKING APPLICANTS FOR:

POSITION: Quality Assurance & Regulatory Affairs Assistant

JOB REQUIREMENTS: A preferred candidate will be an energetic, self-motivated, creative problem-solver willing to grow with the Society.

[Continue Reading](#)

UHMS Annual Scientific Meeting Registration Now Open

The UHMS Annual Scientific Meeting's primary goal is to provide a forum for professional scientific growth and development of the participants to improve knowledge and competence in order to further patient outcome. The meeting provides a basis for exchange of ideas, both scientific and practical, among physicians, researchers, and other health professionals.

[Register Now](#)

Clinical Practice Guidelines Committee at Work

The UHMS CPG Oversight Committee, chaired by Dr. Enoch Huang, has completed work on the first clinical practice guideline for the UHMS: 'A clinical practice guideline for the use of hyperbaric oxygen therapy in the treatment of diabetic foot ulcers.' The paper is available here: <https://www.uhms.org/cpg>.

[Continue Reading](#)

MEDFAQs Program



UNDERSEA & HYPERBARIC MEDICAL SOCIETY

Raising the quality of practice one member at a time

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MEDFAQs

Welcome to MEDFAQs the UHMS Frequently Asked Questions (FAQ) system.

This system is a benefit of UHMS membership. Non-members can see the categories of questions we have, plus a few sample questions. Members will be able to see all of the questions, as well submit new questions. **Members will need to log into the website to access all the questions or submit new ones.**

Please Note - Submitted questions are not answered in real-time. Answers may be edited for generality and content. Not all questions may generate a specific answer.

Choose a category below to read FAQs within that category. You can use the search box to the right to search for a topic. If you don't find a FAQ that answers your question, you can use the New Question button on the right to ask your question. **Please search for a topic first to see if it has been already answered.** Submitted questions will not be answered for 48 to 72 hours.



Safety/Technical

Questions pertaining to safety and technical information.



Reimbursement/Payment/Utilization

Questions pertaining to Reimbursement, Payment, & Utilization



Credentialing

Questions pertaining to credentialing



Quality Assurance & Accreditation

Questions pertaining to quality assurance and accreditation



Membership

Questions pertaining to membership



Education

Questions pertaining to education



Publications

Questions pertaining to publications



Medical/Patient Care

Questions pertaining to medical or patient care



General

General questions that don't fit in one of the other topics

Online Continuing Education Portal

Welcome to the **New**
UHMS Online Continuing Education Portal



Accredited Courses
On-Demand Learning
Cost Effective



Divers Alert Network
and the
Undersea and Hyperbaric Medical Society

DIVING AND HYPERBARIC MEDICINE

April 19 – 24, 2015

SunBreeze Resort
Ambergris Caye, Belize

Faculty

Neal W. Pollock, PhD, Course Director
Research Director, Divers Alert Network, Durham, NC

James R. Holm, MD, Course Co-Director
Medical Director, Center for Hyperbaric Medicine, Virginia Mason Medical Center, Seattle, WA

Simon J. Mitchell, MB ChB PhD
Head, Department of Anesthesiology, University of Auckland, Auckland, New Zealand

Klaus D. ~~Torp~~, MD
Associate Medical Director for Simulation, Mayo Clinic Florida, Jacksonville, FL

Program Support

Cindi Easterling; Education Coordinator, Undersea and Hyperbaric Medical Society, Durham, NC

UHMS MEDICAL EXAMINER OF DIVERS COURSE 2015

SEPTEMBER 17-20

Hyatt French Quarter Hotel
New Orleans, Louisiana

- ♦ *AMA PRA Category 1 Credits™*
- ♦ DMAC/EDTCmed approved – Level 1
Medical Examiner of Divers
 - ♦ MOC credits



UHMS / NOAA PHYSICIANS TRAINING IN DIVING MEDICINE COURSE 2015

OCTOBER 5-16

Marriott Courtyard Seattle
Downtown/Lake Union Seattle, Washington

- ♦ *AMA PRA Category 1 Credits™*
- ♦ DMAC/EDTCmed approved – Level 2D
Diving Medical Physician
 - ♦ MOC credits



UNDERSEA & HYPERBARIC MEDICAL SOCIETY

WINTER SYMPOSIUM ON HYPERBARIC MEDICINE & WOUND CARE



https://www.uhms.org/index.php?option=com_civicrm&task=civicrm/event/info&reset=1&id=51

FEBRUARY 20-23, 2016



JOIN
US
AT

snowbird
ski and summer resort
SALT LAKE CITY, UTAH



CHAPTER MEETINGS

CANADIAN CHAPTER 2015

Dates: October 23-25, 2015

Where: Toronto, Canada

<https://www.uhms.org/about/chapters/canadian-chapter.html>

MID-WEST CHAPTER 2015 & 2016

Dates: April 17-19, 2015 **CONCLUDED**

Hilton at St. Louis Ballpark • St. Louis, Missouri

April 1-3, 2016

Intercontinental Hotel • Milwaukee, Wisconsin

NORTHEAST CHAPTER

Dates: October 23-25, 2015;

Where: Stamford Marriott, Stamford, Connecticut

<https://www.uhms.org/about/chapters/northeast-chapter.html>

GULF COAST CHAPTER

Dates: August 27-29, 2015

Where: Hilton Palacio Del Rio, San Antonio, Texas

<https://www.uhms.org/about/chapters/gulf-coast-chapter.html>

PACIFIC CHAPTER

Dates: November 13-14, 2015

Where: Crowne Plaza, Ventura Beach, California

<https://www.uhms.org/about/chapters/pacific-chapter.html>

BRAZILIAN CHAPTER – TBA

Upcoming ASMs 2016 & 2017



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SAVE THE DATE
JUNE 9-11
LAS VEGAS

UNDERSEA & HYPERBARIC MEDICAL SOCIETY

2017 Annual Scientific Meeting

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JUNE 22-24

Pre-courses: June 21

Wyndham Grand Rio Mar Beach Resort & Spa, Puerto Rico



Welcome to the 41st Congress of the
European Underwater & Baromedical
Society in Amsterdam

19-22 August, 2015



**SPUMS 2016: NOW May 15
-21st at Fiji's
Intercontinental Golf resort
and Spa**
Health/Medical/Pharmaceuticals

The main image is a wide shot of a tropical beach with white sand, turquoise water, and a line of palm trees and other vegetation in the background under a clear blue sky. In the bottom left corner, there is a smaller inset image showing a resort building at night with warm interior lighting visible through large windows and a large swimming pool in the foreground reflecting the lights.

UHMS

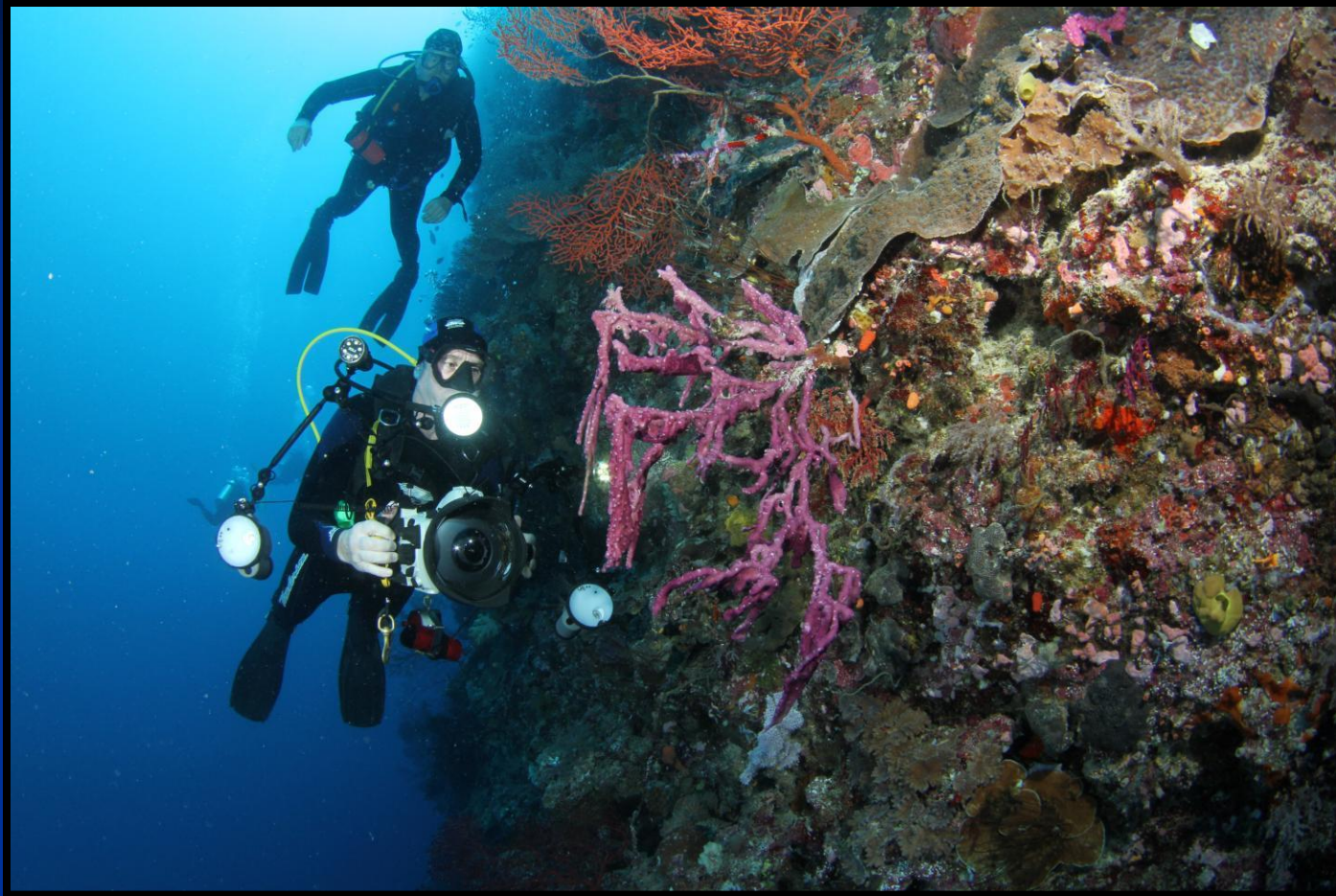


Get Involved!





Thank You!



James R. Holm, MD

james.holm@vmmc.org

hbodoctor@yahoo.com