



# Medicine of Diving | 2017

Divi Flamingo Beach Resort · Bonaire, Dutch Caribbean  
Travel Dates: Jan 28-Feb 4, 2017 / Course Dates: Jan 29- Feb 3, 2017

## Course Description & Objectives

With the ever-increasing popularity of recreational diving, there are greater demands on the medical community to provide medical clearance to divers and to understand the needs of the injured diver.

Medical Seminars, Inc. developed *Medicine of Diving* to educate physicians who serve as medical consultants to divers in their local communities. This course is designed to empower physicians to make informed recommendations on fitness to dive and to recognize and manage diving injuries.

Upon completion of *Medicine of Diving*, participants should be able to:

- Make a medical assessment of fitness to dive;
- Discuss medical concerns for diving in special environments;
- Recognize & treat unique diving accidents in emergency situations;
- Manage diving injuries at remote locations; and
- Gain knowledge to serve as a medical consultant to local dive groups.

## Who Should Attend

This clinical course in diving medicine is designed for physicians of all specialties who have an interest in undersea medicine.

## Faculty



**Thomas M. Bozzuto, DO, UHM/ABEM, CWS**  
Medical Director  
Phoebe Wound Care & Hyperbaric Center  
Albany, Georgia



**Francois Burman, Pr. Eng, Int PE (SA), BSc (Eng), MSc (MedSc), MSAIME, FSAIW**  
CEO of DAN Southern Africa, Midrand, South Africa  
Director of Diving & Hyperbaric Safety at DAN America,  
Durham, NC



**Robert W. Sanders, MD**  
Crew Health and Safety Flight Surgeon  
Medical Director, NASA Neutral Buoyancy Laboratory  
Assistant Professor, UTMB Dept of Preventive Medicine and  
Community Health Houston, Texas.



**Paul J. Sheffield, PhD, CAsP, CHT**  
President and CME Program Director  
International ATMO, Inc  
San Antonio, Texas



**Gary N. Toups, MD, UHM(ABPM)**  
Fellow in Aerospace Medicine  
Mayo Clinic,  
Rochester, MN



**Dave Wakely, FCEM(UK), FRCS(Eng), MBBS, BSc, Dip IMC, EDTC-II**  
Consultant in Emergency and Hyperbaric Medicine  
King Edward VII Memorial Hospital  
Bermuda



**Eugene R. Worth, MD, M.Ed., UHM/ABPM, FABA**  
Medical Director, Hyperbaric Medicine  
Dixie Regional Medical Center  
St George, Utah

## Topics

### DAY 1 / Sunday, January 29, 2017

- Introduction (P Sheffield, PhD)
- Marine Injuries (D Wakely, MBBS)
- Treatment of Seasickness (T Bozzuto, DO)
- Women's Health Issues and Scuba Diving (E Worth, MD)
- Practical Diving Safety (P Sheffield, PhD)

### DAY 2 / Monday, January 30, 2017

- Dive Computers and the Magic Bracelet Syndrome (G Toups, MD)
- Altitude Related DCS in Military and Civilian Settings (G Toups, MD)
- Emergency Medicine is Out There: Hyperbaric Medical Support at NASA Neutral Buoyancy Lab (R Sanders, MD)
- Diving in Space: Medical Concerns of the Astronaut "Diving" in Space (R Sanders, MD)

### DAY 3 / Tuesday, January 31, 2017

- Medical Assessment of Divers and Dive Instructors (E Worth, MD)
- Fitness to Dive: Cases and Questions (D Wakely, MBBS)
- Differential Diagnosis of the Dizzy Diver (T Bozzuto, DO)
- ADCI New Diving Medical Standards (R Sanders, MD)

### DAY 4 / Wednesday, February 1, 2017

- Can You Handle the Pressure: Basic Decompression Theory (R Sanders, MD)
- Rationale for Hyperbaric Oxygen Therapy for Treatment of Problem Wounds (P Sheffield, PhD)
- Patient Evaluation & Selection for HBO2 (T Bozzuto, DO)
- Side Effects and Contraindications of HBO2 (T Bozzuto, DO)

### DAY 5 / Thursday, February 2, 2017

- Treatment of DCI at Remote Locations (T Bozzuto, DO)
- A Tale of Two Deaths: Recent Activity in the Dive Industry (R Sanders, MD)
- Assessing the Safety of Diver Recompression Chamber Facilities (F Burman, Pr. Eng.)
- Nitrox has Limits: Oxygen Toxicity is Closer Than You Think! (R Sanders, MD)

### DAY 6 / Friday, February 3, 2017

- Self Assessment Exam (P Sheffield, PhD)
- Exam Review/ Critique (Faculty)

## Continuing Medical Education

**Accreditation Statement:** This live 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 Medical Seminars, Inc. The UHMS is accredited by the ACCME to provide continuing medical education for physicians.

**Designation Statement:** The UHMS designates this live activity for a maximum of **22 AMA PRA Category 1 Credits™**. Physicians should only claim 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 Medical Seminars Inc. 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. This activity has no commercial support.

## UHMS Disclaimer

The information provided at this CME activity is for Continuing Medical Education purposes only. The lecture content, statements or opinions expressed however, do not necessarily represent those of the Undersea and Hyperbaric Medical Society (UHMS), its affiliates or its employees.



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**Brochure & Registration Form**

## Accommodations & Diving Package

Medical Seminars, Inc. has arranged an accommodations and diving package for Medicine of Diving participants at the Divi Flamingo Beach Resort in Bonaire, Dutch Caribbean. The Medicine of Diving academic program will be held on property at the Divi Flamingo Beach Resort. **The 7-night accommodations package is arranged for participants arriving Saturday January 28, and departing Saturday February 4, 2017. Due to some of the airline schedules you may be required to purchase an extra night at the hotel.**

The diving program is coordinated with our academic program. However, you DO NOT have to participate in the diving program to attend the academic program.

Divi Flamingo Beach Resort has spacious oceanfront and gardenview guestrooms and suites that are decorated in bright, tropical colors. Private balconies overlook the Caribbean Sea and invite guests to relax after a day of diving. Most of the rooms have 2 queen size beds in them. There are a couple of Deluxe rooms with a single King in them. The Studio rooms have 2 queens and a sofa sleeper.

Divi Flamingo Beach Resort and Casino  
J.A. Abraham Blvd 40, Kralendijk, Bonaire  
Phone 011(599) 717 8285 (inside the US)  
00(599) 717 8285 (outside the US)  
Fax 011(599) 717 8238  
Website: <http://www.diviresorts.com/diviflamingo/>

## Travel & Airlines

Participants are responsible for organizing their own travel and should plan on arriving in Bonaire Saturday, January 28 and departing Saturday, February 4, 2017

You may contact your travel agent or book online. THESE FLIGHTS SELL OUT QUICKLY. Please book as soon as possible.

## Scuba Diving at Bonaire

Bonaire is one of the world's top diving destinations. With over 80 dive sites, there is an abundance of sea life including more than 500 species of fish and 120 kinds of coral on some of the world's best preserved reefs.

Divi Flamingo Beach Resort offers guests an amazing underwater adventure with Divi Dive Bonaire- a PADI five-star dive resort located on the property. Dive Bonaire conveniently provides five custom dive boats, guest gear storage, fully equipped dive shop, and an experienced dive crew with over ten years experience diving in Bonaire.

Divi Dive Bonaire is the island's oldest and best-known dive operator, operating what many call the most convenient dive experience in Bonaire. With the Calabas Reef just 20 yards in front on the hotel and 24 hour access to tanks, diving with Divi is the easiest dive vacation you will ever take.

Diving conditions in Bonaire include no strong currents, no big seas and short boat rides- keeping your topside time comfortable- while good visibility, dense coral growth and a multitude of brightly colored reef fish allow you to enjoy our underwater wonderland.

## Lockers

Participants are issued a locker to store your dive gear. Lockers are issued to 2 divers per locker. You may purchase a lock in the dive shop or you may bring your own.

## Medical Seminar's SCUBA Diving Disclaimer

You are responsible for your own diving safety and you will be asked to sign a form stating you are medically and physically fit to dive. Medical Seminars, Inc. assumes no responsibility or liability for the diving activities.

**\*\*ALL TRAVELERS MUST HAVE A VALID PASSPORT\*\***

For more information please contact:



Medical Seminars, Inc.  
Phone: 210-690-1005 / Email: [info@medsem.com](mailto:info@medsem.com)



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<p><b>Price Includes:</b></p> <ul style="list-style-type: none"> <li>Room for seven nights (January 23-30, 2017)</li> <li>Seven breakfasts</li> <li>Six lunches</li> <li>One group dinners</li> <li>Service charges and taxes</li> <li>Safety deposit box</li> <li>Roundtrip transfers airport to hotel</li> <li>Welcome Reception</li> <li>Farewell Reception</li> <li>Gratuities to porters</li> </ul> <p><b>Diver Price Includes:</b></p> <ul style="list-style-type: none"> <li>Diving</li> <li>Unlimited shore dives - day and night</li> <li>Nitrox 32% (for certified Nitrox divers)</li> <li>Tanks, weights, &amp; belts</li> <li>Bonaire Marine Park tax</li> <li>Government tax</li> <li>Gratuities to dive guides</li> </ul> <p>Price <b>DOES NOT</b> include:          Airfare, five dinners, boat night dives or bar bill.</p> <p><b>Additional Nights:</b>          For those wanting to stay additional night at the Divi Flamingo, fees may be different than the fees posted on this brochure. Please contact Medical Seminars if you want to stay extra nights at the Divi Flamingo.</p> <p><b>Staying Off Property?</b>          If you are staying at another property but would like to take part in any group meals or diving, please contact us for pricing.</p>	<b>Room Type</b>		
	<b>Standard</b>	<b>Double Occupancy</b>	<b>Single Occupancy</b>
	Non-Diver	\$1,081.00 / per occupant	\$1,668.00
	Diver (6 dives)	\$1,440.00 / per occupant	\$2,009.00
	Diver (11 dives)	\$1,479.00 / per occupant	\$2,048.00
	One night (with breakfast)	\$141.00 / per occupant	\$224.00
	<b>Deluxe</b>	<b>Double Occupancy</b>	<b>Single Occupancy</b>
	Non-Diver	\$1,186.00 / per occupant	\$1,876.00
	Diver (6 dives)	\$1,540.00 / per occupant	\$2,213.00
	Diver (11 dives)	\$1,576.00 / per occupant	\$2,252.00
	One night (with breakfast)	\$154.00 / per occupant	\$253.00
	<b>Studio</b>	<b>Double Occupancy</b>	<b>Single Occupancy</b>
	Non-Diver	\$1,294.00 / per occupant	\$2,010.00
	Diver (6 dives)	\$1,602.00 / per occupant	\$2,344.00
	Diver (11 dives)	\$1,641.00 / per occupant	\$2,383.00
	One night (with breakfast)	\$163.00 / per occupant	\$272.00
	<b>Diving Only</b>		
	Diver (6 dives)	\$572.00	
	Diver (11 dives)	\$611.00	
	Shore dives for the week (Air)	\$157.00	
	<b>Seminar Fee</b>		
Per Person	\$700.00		

Participants are responsible for organizing their own travel. PLEASE MAKE NOTE: Due to airline schedules, you will probably be required to spend an extra night, either en route, or in Bonaire. Below are some flight options. (CAUTION: It is possible for these flights numbers and times to change throughout the year).

## Direct Flights To Bonaire

Airline	Flight #	Departure City	Date	Departure Time	Arrival Time
United	UA 1402	Houston – Bonaire	Sat 1/28/2017	1:00 p.m.	7:51 p.m.
United	UA 1422	Newark – Bonaire	Sat 1/28/2017	9:00 a.m.	2:37 p.m.
Delta	DL 380	Atlanta – Bonaire	Sat 1/28/2017	9:45 a.m.	2:45 p.m.

## Return Flights

Airline	Flight #	Departure City	Date	Departure Time	Arrival Time
United	UA 1401	Bonaire – Houston	Sun 1/5/2017*	7:30 a.m.	10:31 a.m.
United	UA 1420	Bonaire – Newark	Sat 1/4/2017	3:32 p.m.	7:27 p.m.
Delta	DL 672	Bonaire – Atlanta	Sat 1/4/2017	3:42 p.m.	7:05 p.m.

\* Please make note that United flight 1401 from Bonaire to Houston is a Sunday flight. This will require you to purchase an extra night stay in Bonaire.





# Medicine of Diving Registration

Travel Dates: January 28- February 4, 2017

Meeting Dates: January 29-February 3, 2017

Medical Seminars, Inc.  
405 N Saint Marys St., Suite 720 (NEW ADDRESS)  
San Antonio, Texas 78205  
Phone: 210-690-1005 / Fax: 210-223-4864  
Email: [info@medsem.com](mailto:info@medsem.com)

## Room Information

### Room Occupancy

- Single Occupancy
- Double Occupancy
- Single interested in sharing

Preferred room number: \_\_\_\_\_

### Room Type

- Standard Room
- Deluxe Room
- Studio Room

### Location

- Upstairs
- Downstairs
- No preference

### Duration of Stay at the Divi

Arrival: \_\_\_\_\_ Departure: \_\_\_\_\_

Book me for an extra NIGHT at the Divi

Book me for an extra WEEK at the Divi

**( We will do our best to get your room of choice )**

## Participant Information

**Course Registrants - Please complete all information below**

**Guests - Please complete items indicated with an "\*"**

### Occupant 1

Course Attendee?  Yes  No

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

Credentials: \_\_\_\_\_

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

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

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

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

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

Email: \_\_\_\_\_

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

MD License #: \_\_\_\_\_

AAFP Member #: \_\_\_\_\_

ACEP Member #: \_\_\_\_\_

Passport #: \_\_\_\_\_ Exp: \_\_\_\_\_

### Occupant 2

Course Attendee?  Yes  No

\* \_\_\_\_\_

\* \_\_\_\_\_

\* \_\_\_\_\_

Exp: \_\_\_\_\_

## Dive Information

Specify:  Non-Diver  6-dives  11-dives  Will dive with NITROX  Non-Diver  6-dives  11-dives  Will dive with NITROX

SCUBA Certifying Agency: \_\_\_\_\_ # \_\_\_\_\_

NITROX Certifying Agency: \_\_\_\_\_ # \_\_\_\_\_

Certifying Agency: \_\_\_\_\_ # \_\_\_\_\_

Certifying Agency: \_\_\_\_\_ # \_\_\_\_\_

## Airline

	United: Houston/BON	United: Newark/BON	Delta: Atlanta/BON	Other: Airline/Flight #	Time
Arrival	UA1402	UA1422	DL380		
Departure	UA1401*	UA1420	DL672		

	United: BON/Houston	United: BON/Newark	Delta: BON/Atlanta	Other: Airline/Flight #	Time
Arrival	UA1402	UA1422	DL380		
Departure	UA1401*	UA1420	DL672		

\*UA1401 Departs Bonaire on Sunday, rather than Saturday. Guests will need an extra night stay in Bonaire.

## Payment Information

Method of Payment:  Check (Payable to Medical Seminars, Inc.)

Credit Card #: \_\_\_\_\_

Expiration Date: \_\_\_\_\_

Name on Card: \_\_\_\_\_

Billing Street Address: \_\_\_\_\_

City, State, Zip, Country: \_\_\_\_\_

Signature: \_\_\_\_\_

Amex  MC  VISA  Discover

Please charge my deposit: \_\_\_\_\_

**(Deposit - \$750 per person)**

**An invoice with your balance will be emailed to you**

**Balance is due by December 1, 2016**

Please use this payment method for balance

I will use different payment method for balance

**Refunds for Tuition:** Full refund for tuition is made for cancellations received in writing before December 1, 2016, less a \$100 per person administrative fee; after December 1, 2016, there is a \$150 per person fee. There is no refund on the tuition after January 1, 2017. **Refunds for Hotel and Diving:** Refunds for the hotel and diving will be based on the hotel and diving operation policy.