

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,

Consultant in Emergency and Hyperbaric Medicine King Edward VII Memorial Hospital



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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#### **Accommodations & Diving Package**

Medical Seminars, Inc. has arranged an accommodations and diving package for Medicine of Diving participants at the Divi Flaming Beach Resort in Bonaire, Dutch Caribbean. Medicine of Diving academic program will be held on property at the Divi Flamingo Beach Resort. 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/

#### **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.

#### **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.

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

For more information please contact:



Medical Seminars, Inc.

Phone: 210-690-1005 / Email: info@medsem.com



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Pri	ice	Inc	lud	es:

- Room for seven nights (January 23-30, 2017)
- Seven breakfasts
- Six lunches
- One group dinners
- Service charges and taxes
- Safety deposit box
- Roundtrip transfers airport to hotel
- Welcome Reception
- **Farewell Reception**
- Gratuities to porters

#### **Diver Price Includes:**

- Diving
- Unlimited shore dives day and night
- Nitrox 32% (for certified Nitrox divers)
- Tanks, weights, & belts
- Bonaire Marine Park tax
- Government tax
- Gratuities to dive guides

#### Price <u>DOES NOT</u> include:

Airfare, five dinners, boat night dives or bar bill.

#### **Additional Nights:**

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.

#### Staying Off Property?

If you are staying at another property but would like to take part in any group meals or diving, please contact us for pricing.

Room Type		
Standard	Double Occupancy	Single Occupancy
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
Deluxe	Double Occupancy	Single Occupancy
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
Studio	Double Occupancy	Single Occupancy
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
Diving Only		
Diver (6 dives)	\$572.00	
Diver (11 dives)	\$611.00	
Shore dives for the week (Air)	\$157.00	
Seminar Fee		
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	<b>Departure Time</b>	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	<b>Departure Time</b>	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.

<sup>\*</sup> 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.



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#### **Brochure & Registration Form**

	TRAVEL DAY							TRAVEL	DAYS
Time	Saturday	Sunday	Monday	Tuesday	Wednesday	Thursday	Friday	Saturday	Sunday
<b>6:00</b> :15									
:30									
:45									
7:00		The Calabas	The Calabas	The Calabas	The Calabas	The Calabas	The Calabas	The Calabas	
:15		for Breakfast	for Breakfast	for Breakfast	for Breakfast	for Breakfast	for Breakfast	for Breakfast	
:30		7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00	7:00-11:00	<b>≯</b> UA 1401
:45									
8:00		Introduction	Dive Computers and the Magic Bracelet Syndrome	Medical Assessment of Divers and Dive Instructors	Can You Handle the Pressure: Basic	Treatment of DCI at Remote Locations (T			
:15		(P Sheffield, PhD)  Marine Injuries	(G Toups)	(E Worth)	Decompression Theory	Bozzuto)	Dive Boat Departure		
:45		(D Wakely)			(R Sanders)		Dive Boat Departure		
9:00			Altitude Related DCS in	Fitness to Dive: Cases and	Rationale for Hyperbaric	A Tale of Two Deaths:			
:15		Treatment of Seasickness	Military and Civilian	Questions (D Wakely)	Oxygen Therapy for	Recent Activity in the Dive			
:30		(T Bozzuto)	Settings (G Toups)		Treatment of Problem Wounds (P Sheffield)	Industry (R Sanders)			
:45									
10:00			Emergency Medicine is Out	Differential Diagnosis of	Patient Evaluation &	Assessing the Safety of	1-Tank Boat Dives		
:15		Women's Health Issues	There: Hyperbaric Medical Support at NASA	the Dizzy Diver (T Bozzuto)	Selection for HBO2 (T Bozzuto)	Diver Recompression Chamber Facilities			
:30		and Scuba Diving (E Worth)	(R Sanders)		,,	(F Burman,)			
:45 <b>11:00</b>			Diving in Space: Medical	ADCI New Diving Medical	Side Effects and	Nitrox has Limits: Oxygen			
:15		Practical Diving Safety (P	Concerns of the Astronaut	Standards	Contraindications of HBO2	Toxicity is Closer Than You			
:30		Sheffield)	"Diving" in Space	(R Sanders)	(T Bozzuto)	Think (R Sanders)			
:45			(R Sanders)						
12:00									
:15		Lunch	Lunch	Lunch	Lunch	Lunch	Lunch		
:30		Calabas	Calabas	Calabas	Calabas	Calabas	Calabas		
:45									
1:00 :15		Dive Boat Departure	Dive Boat Departure	Dive Boat Departure	Dive Boat Departure	Dive Boat Departure			
:30									
:45		<b>6</b> .	<b>6</b> .	6	<b>~</b> .	<b>.</b>			
2:00							Final Examination		
:15							(P Sheffield, PhD)		
:30	🥦 UA 1422	2-Tank Boat Dives	2-Tank Boat Dives	2-Tank Boat Dives	2-Tank Boat Dives	2-Tank Boat Dives			
:45	≯ DELTA 380								
3:00							Exam Review/ Critique		
:15							(Faculty)	4 LLA 4420	
:30								>≯ UA 1420 >≯ DELTA 672	
4:00								y DECINO/2	
:15									
:30									
:45									
5:00			Dinner on your own	Dinner on your own	Dinner on your own	Dinner on your own			
:15									
:30									
		Welcome Cocktails					Farewell Cocktails		
<b>6:00</b>		Welcome Cocktails					Farewell Cocktails		
:30									
:45									
7:00							Farewell Dinner		
:15									
:30									
:45	→ UA 1402								
8:00									



Signature:

### **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

Room In	formation
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Room Occupancy		Room Type		ation	Duration of Stay at the Divi		
Single Occupancy	/	Standard Room	Ups	tairs	Arrival: Departure:		
Double Occupan	CY	Deluxe Room	Dow	nstairs	Book me for an extra NIGHT at the Divi		
Single interested		Studio Room	No r	reference	Book me for an extra <u>WEEK</u> at the Divi		
Preferred room num	•	Stadio Noom			get your room of choice)		
			( 000 00	ao our best to b	set your room of thotely		
<b>Participant Info</b>	rmation						
Course Registrants - P	lease complete <u>a</u>	<u>II</u> information below	Gue	sts - Please	complete items indicated with an "*"		
			No		Yes No		
Occupant 1		Course Attendee?		Occupant :	Course Attendee?		
Full Name:				T			
Credentials:				*			
Nick Name:							
Address:							
City/State/7in							
City/State/Zip: Home Phone:			-				
Work Phone:			<del></del>				
Email:			<del></del>	*			
Medical Specialty:							
MD License #:			<del></del>				
AAFP Member #:					_		
ACEP Member #:							
Passport #:		Exp:			Exp:		
		r					
<b>Dive Informatio</b>	n						
Specify: Non-D	ver 6-dives	11-dives Will dive w	ith NITROX	Non-D	Diver 6-dives 11-dives Will dive with NITROX		
SCUBA Certifying A	Vaeuch.	#		Certifying	Agency: #		
NITROX Certifying A				Certifying			
	- <u> </u>				· · ———		
Airline							
	_						
United Houstor		Delta: Other: Atlanta/BON Airline/Flight #	Гіте	United: BON/Houston	United: Delta: Other: BON/Newark BON/Atlanta Airline/Flight # Time		
	A1402 UA142		Time	UA1402			
Departure UA	\1401* UA142	0 DL672		UA1401			
,	*UA1401 Depar	ts Bonaire on Sunday, rather than	Saturday.	Guests will need	d an extra night stay in Bonaire.		
<b>Payment Inform</b>	nation						
Method of Payment:	Check (Paya	ble to Medical Seminars, Inc.)		Ame	x MC VISA Discover		
Credit Card #:				Please ch	arge my deposit:		
Expiration Date:		-		(Deposit	- \$750 per person)		
Name on Card:					e with your balance will be emailed to you		
Billing Street Address:	-				s due by December 1, 2016		
City, State, Zip, Country:				<b>——</b>	se use this payment method for balance use different payment method for balance		
				I will	use unterent payment method for balance		