

**Beneath the Sea March 29<sup>th</sup> 2019**  
**Sign in 0830 to 0845**  
**Lectures begin at 0900**  
**Diving Sciences Symposium**

This year's Diving Sciences Symposium will present the most up-to-date information on Dive Medicine, Dive Safety and Dive Technology. Information is relevant to the entire Diving Community. All members of the Diving Community who attend will gain insight and the most up-to-date information on pertinent topics: Diving Leadership, Diving Safety Officers, Technical, Recreational, Public Safety Scientific, Commercial and Military Divers. Leaders in the field of Dive Medicine, Dive Safety and Dive Technology will lead the conversation. This program is designed and appropriate for both medical and nonmedical divers. The program is approved by the Undersea and Hyperbaric Medical Society for a maximum of 5.5 AMA PRA Category 1 Credits (CME)

Location: Meadowlands Expo Center Fee: \$85 Lunch will be included.

**David Charash DO, CWS,FACEP, FUHM**  
**"In Water Diving Emergencies"**

A review of common in-water emergencies both of descent and ascent will be reviewed. Recognition as well as treatment considerations will be discussed. Detailed discussion will include possible measures to reduce diving injury.

**Dan Orr**  
**"Risk Versus Reward".**

This presentation reviews the published diving accident and fatality data from the Divers Alert Network (DAN) Annual Diving Report along with other sources of data to identify risks in various types of recreational scuba diving. Problem issues derived from the analysis of actual diving accidents will be identified and discussed. These critical safety issues include triggering events that could initiate a cascade of actions leading to a diving accident. Analyzing these triggering events and other causative factors in diving accidents will lead to recommendations on how to identify and mitigate risks in order to maximize enjoyment.

**Carla Reynaldo DO**  
**"Medical Fitness For Technical /Cave Divers"**

Understanding medical fitness requirements are key to maintaining one's health as a technical and/or cave diver. A review of common medical conditions that can effect dive safety will be presented. A review of established accepted medical criteria will be discussed.

**Art Torre MD**

### **“Pulmonary Fitness And Diving”**

Understanding how Boyle’s Law relates to pulmonary fitness. Learn why asthma is a relative contraindication for scuba and which asthmatics can safely dive  
Pulmonary immersion edema: diagnosis, prognosis and treatment will also be covered.

**Bill Simpson DMT, CHT, EMT**

### **“Pre-Hospital Management Of Diving Injuries”**

Guidelines to managing recognized diving injuries will be discussed. Pre-hospital strategies will be reviewed and recommendations for appropriate first aid gear will be discussed.