

WG 7 (Naval and Undersea Medicine)

## **HBOT as an Adjunctive Treatment for Severe Infections**

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Severe infections usually require a multimodal treatment, typically consisting of a pharmacological and surgical approach. Hyperbaric Oxygen has an important role as an adjuvant treatment in cases of severe infections. It is well established that HBOT not only saturates tissues in oxygen enabling better recovery in cases of ischemia, edema and hypoxia, but also represses the proliferation of pathogens such as bacteria and fungi. We will cover the literature regarding indications for HBOT in severe infections, the mechanism by which HBOT helps combat these infections and the benefits and limitations of this approach.

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## **Combat Casualty Care and Evacuation of Wounded in Littoral Seas**

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Casualty care events are not very common in the navy, but when they do occur, their severity is considerable due to the kinetics and the mechanism of the injury. During Iron Swords War we experienced a few serious events, and many practical lessons were learned and have since been implemented in our medical teams and among the naval warriors.

From our experience, in addition to the trauma protocol, we learned to pay attention to other areas that are less intuitive. These areas include the location of the medical equipment on vessels, the location of stretchers, the route of evacuation, the appropriate medical staff needed for missions we have not experienced before, and issues of command and control.