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Title: Hyperbaric oxygenation in acute peripheral posttraumatic ischemia.

Authors: Shupak, A  
Gozal, D  
Ariel, A  
Melamed, Y  
Katz, A

Keywords: Hyperbaric Oxygenation  
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Abstract: Hyperbaric oxygen (HBO) was administered to 13 patients suffering from acute posttraumatic ischemia of the lower extremities. Most of the cases presented had an association of open fracture with injury to major blood vessels and significant soft tissue damage. The average delay from the moment of injury to definitive surgical treatment was 11.53 h. HBO was indicated where aggravation of peripheral ischemia was noted despite maximal surgical treatment. Complete limb salvage was accomplished in 8 cases (61.5%). In 4 cases (30.7%), lowering of ischemia level distally was observed. One case (7.7%) showed no improvement. Our report stresses the role of adjuvant HBO as an important component in the combined treatment of acute ischemia complicating the severely injured limb.

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