

Hyperbaric Oxygen Treatments for Compartment Syndrome/Traumatic Ischemia – Right Hand



Figure 1: Initial Visit

Figure 2: Treatment #10 – (2nd Fasciotomy)Figure 3: Treatment #14 – (#4 Post 1st Op)Figure 4: Treatment #24 – (#14 Post 1st Op)Figure 5: Follow-Up Visit – (Post 2nd Op)

Figure 6: Final Visit

This 34-year-old male was referred to HyOx Medical Treatment Center with compartment syndrome and traumatic ischemia of the right index finger and hand. While inspecting a pinhole leak in a hydraulic-oil line, oil was injected into his finger. The patient underwent an initial fasciotomy within 24 hours and received 10 hyperbaric oxygen treatments. A second fasciotomy was performed followed by a full thickness skin graft and 14 additional hyperbaric oxygen treatments. After the graft healed, the fingers were separated followed by two final hyperbaric treatments.

Result: A partial amputation of distal tip of phalanx index finger with nail bed salvage. Patient returned to work with full sensation and function of his right hand and index finger.