

Rational of HBO

Acute thermal burns	<ul style="list-style-type: none">•Reduced edema•Infection control•Increased epithelialization and graft take
Clostridial myositis & myonecrosis	<ul style="list-style-type: none">•Suppression of toxin production•Enhanced PMN function•Antibiotic potentiation
Necrotizing soft-tissue infection	<ul style="list-style-type: none">•Enhanced PMN function•Antibiotic potentiation
Intracranial Abscess	<ul style="list-style-type: none">•Enhanced PMN function•Antibiotic potentiation
Compromised skin grafts	<ul style="list-style-type: none">•Increased neovascularization•Reduced edema
Compromised skin flaps	<ul style="list-style-type: none">•Amelioration of I/R injury•Reduced edema

Rational HBO (cont.)

Crush injury, compartment syndrome	<ul style="list-style-type: none">•Ameriolation of I/R injury•Reduced edema
Bony & soft tissue radionecrosis	<ul style="list-style-type: none">•Increased neovascularization
Refractory osteomyelitis	<ul style="list-style-type: none">•Enhanced PMN function•Antibiotic potentiation•Increased osteogenesis
Problem wounds	<ul style="list-style-type: none">•Increased neovascularization•Increased collagen deposition•Increased epithelialization•Reduced edema•Reduced inflammation•Enhanced PMN function
Diabetic foot ulcers (Wagner gr 3+)	<ul style="list-style-type: none">•Increased granulation•Enhanced PMN function•Reduced edema

Currently Accepted Indications

- Primary Treatment
 - Arterial gas embolism (AGE)
 - Decompression sickness (DCS)
 - Carbon monoxide poisoning

Currently Accepted Indications

- **Adjunctive** treatments
 - Necrotizing soft tissue infections
 - Clostridial gas gangrene
 - Delayed soft tissue or bony radiation injury
 - Acute traumatic ischemia
 - Acute peripheral arterial ischemia

Currently Accepted Indications

- **Adjunctive** treatment (cont.)
 - Compromised skin grafts & flaps
 - Chronic refractory osteomyelitis
 - Exceptional blood loss anemia
 - Selected Diabetic lower extremity ulcers
 - Selected problem wounds
 - Severe thermal burns
 - Intracranial abscess

HBO and Delayed Radiation Injuries

HBO and Delayed Radiation Injuries

