

Successful areas of application for HBOT

CAUSE	MECHANISM OF ACTION	SOURCES
Inflammation	Improved oxidative killing of pathogens	Tandara et al, 2004
Wounding	Enhancement of collagen synthesis in fibroblasts	Hopf et al, 2001
Oedema	Combination of vasoconstriction and 100% O2 supply	Wilson et al, 2006 and Levine and Reichling, 1999
CO poisoning	Decreased CO half-life	Jang et al, 2018
antibiotic amphotericin B	Renal vasodilation and increased blood flow	Berkovitch et al, 2017
Toxic agent; Paraoxon	Increased blood oxygen tension	PubChem Compound Database, 2004
Rattlesnake venom	regeneration of myocytes and neovascularization	Kelly et al, 1991
Brown recluse spider venom	re-epithelialization and increased angiogenesis	Strain, 1991
Sea nettle venom	increased blood flow to brain, relieving ischemia	Muhvitch 1991
Neurological disease or injury	Higher oxygen supply	Kraitsy et al, 2014
Neuropsychiatric syndrome	higher conduction activity of white matter	Lo et al (2007)
Mucormycosis	reduced toxicosis	Kajs-Wyllie et al (1995)
Trauma	decreased stimuli-brain conduction time	Kraitsy et al, 2014