

Hypothesis

How mild hyperbaric oxygen therapy works and why it is good for our children

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Physicists figured out years ago that a gas under pressure is more likely to dissolve into liquid—in mild hyperbaric oxygen therapy, the gas is oxygen and the liquid is blood. But under pressure, oxygen doesn't only hook up to red blood cells (the "traditional" way oxygen is delivered to tissues), it also dissolves into the plasma. When that plasma circulates near dormant or injured tissue such as an encephalopathic brain, a bruised muscle, a sprained tendon, or a surgical wound, the oxygen in the plasma can and does dissolve further into the damaged area than the oxygen that's attached to the red blood cell in that "traditional" delivery system.

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