H

Hyperbaric Therapy

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Synonyms

[Hyperbaric oxygen therapy \(HBOT\)](#)

Definition

Hyperbaric therapy is a treatment using 100% oxygen at greater than normal atmospheric pressure. Once the hemoglobin is saturated with oxygen, the blood becomes hyperoxygenated by dissolving oxygen within the plasma, body tissues, and fluids up to ten times the normal concentration. Since the oxygen is in solution, it can reach areas where red blood cells may not be able to pass and oxygenate areas of impaired hemoglobin concentration or function. Although still controversial, hyperbaric therapy is used to treat atherosclerosis, stroke, peripheral vascular disease, diabetic ulcers, wound healing, cerebral palsy, brain injury, multiple sclerosis, macular degeneration, and so on.

Cross-References

► [Anoxia](#)

References and Readings

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