Hyperbaric Oxygen Treatment
Category: Mechanical Impact; Pressure

Background
In certain circumstances, hyperbaric oxygen treatment is used to substantially increase oxygen flow within tissues to improve healing.

Patients undergoing hyperbaric treatment are placed in a chamber where 100% oxygen is circulated. The oxygen is pressurized so that air pressure may be 2-3 times greater than normal (2-3 atm). This allows the lungs and skin to absorb more concentrated oxygen in a shorter period of time.

Potential Interactions
Air pressure can introduce pressure on the implant housing and lead to a breaking of the internal semiconductor circuit.

Recommendation
The Nucleus CI24R, CI24M and CI22M are validated to withstand pressure up to 2.5 atm. The Nucleus CI500 series and Freedom implants can withstand pressure up to 4 atm.

Sub Forms / Synonyms / Brand Names
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References