

## **EL OXÍGENO HIPERBÁRICO COMO TERAPIA COMPLEMENTARIA PARA EL TRATAMIENTO DE OSTEOMIELITIS**

**Infectious Disease Clinics of North America, 1990**

**Hyperbaric oxygen as adjunctive therapy for osteomyelitis**

**Mader JT et al**

Mechanistically, hyperbaric oxygen (HBO) appears useful for the treatment of osteomyelitis. HBO increases the oxygen tension in infected tissue, including bone. An adequate oxygen tension is necessary for oxygen-dependent killing of organisms by the polymorphonuclear leukocytes and for fibroblast activity leading to angiogenesis and wound healing. HBO has a direct bacteriocidal or bacteriostatic effect on anaerobic organisms. In addition, HBO augments the killing of *Pseudomonas aeruginosa* by the aminoglycoside--tobramycin. At the University of Texas Medical Branch at Galveston, adjunctive HBO is used for the Cierny Mader stage 3B and 4B osteomyelitis.