

1979 Oct;123(10):117-21.

## **Hyperbaric oxygenation in the prevention of wound infection in open injury to the locomotor apparatus**

Hyperbaric oxygenation in altitude chambers OKA-MT was used in the complex of prophylactic measures against wound infection in 91 patients with open traumas of the extremities (fractures, amputations, etc.). The effect of hyperbaric oxygenation on the external respiration was studied by the method of spirometry. Tetrapolar rheography was used to follow the central hemodynamics. A number of immune parameters were also studied. Hyperbaric oxygenation was established to abolish hyperventilation and myocardium hyperdynamia, to accelerate the recovery of the neutrophil phagocytic activity and immunoglobulin level, to contribute to the quicker diminishing of edema in the wound area and healing of the stump and open fracture without suppuration, early formation of dry necrosis with a distinct line of demarcation.

PMID: 505786 [PubMed - indexed for MEDLINE]