Effects of hyperbaric oxygen and hyperbaric air on the survival of island skin flaps.

Tan CM, Im MJ, Myers RA, Hoopes JE. 
The effects of hyperbaric air and oxygen on skin survival were studied in acute 8 X 8 cm neurovascular island flaps in rats. Skin flaps treated with hyperbaric 8% oxygen (equivalent to room air at standard pressure) exhibited no improvement in skin survival. Skin flaps treated with hyperbaric air (21% oxygen) and hyperbaric 100% oxygen exhibited significant increases in survival.

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