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	Title	Hyperbaric exugenation treatments and metabolic
Browse	THE.	Hyperbaric oxygenation treatments and metabolic enzymes in the heart and diaphragm
<u>Communities</u>	Authors	Nelson, AG
<u>& Collections</u>	Authors.	Wolf Jr, EG
· <u>™ Titles</u>		Hearon, CM
Authors		Li, B
→ By Date	Keywords:	hyperbaric
	Issue Date:	1994
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		oxygen exposure increases metabolic enzyme
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		enzyme activities of the heart and diaphragm of
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		oxygenation would provide a stimulus sufficient to increase metabolic enzyme activity. Therefore,
		we exposed 36 rabbits (4 groups of 9) twice daily
😬 <u>Help</u>		for 90 min 5 days/wk to either 100% O2 at 243
		kPa, 8.5% O2, and 91.5% N2 at 243 kPa, 100%
		O2 at 101 kPa, or 21% O2 at 101 kPa. After 4 wk
		of treatment, the activities of citrate synthase,
		succinate dehydrogenase, alpha-glycerophosphate
		dehydrogenase, phosphofructokinase, and
		glyceraldehyde-3-phosphate dehydrogenase were
		measured. In both the heart and the diaphragm, none of the treatments significantly altered the
		mean enzyme activities for any of the enzymes
		measured. Therefore, it seems that the
		hyperbaric oxygenation treatment protocols used
		do not induce an increase in metabolic enzyme
		activity in the heart and diaphragm in healthy
	animals.	
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