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		electroencephalographic manifestations of CNS	
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	Authors:	Katz, A	
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🕑 <u>Edit Profile</u>	Abstract:	We studied the effects of parenteral magnesium	
		sulfate (MgSO4) administration on	
🥗 <u>Help</u>		electroencephalographic seizures induced by	
		hyperbaric oxygen (HBO) in awake rats. Sixteen rats chronically implanted with	
		electrocorticographic electrodes were preinjected	
		i.p. with either vehicle or 3 mmol/kg MgSO4 (the	
		latter resulted in serum levels of 3.5-5.5	
		mmol/liter) and then exposed to 6 ATA O2 in a	
		pressure chamber. The time to develop an electric	
		ichtal seizure was measured and compared to that in the same animal receiving the alternate	
		treatment 3 days later. Mean and median times	
		after the magnesium treatment were almost	
		double those of vehicle administration. A central	
		anticonvulsive action of magnesium, which should	
		be investigated over the entire HBO range, is	
		indicated.	
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