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**Participation of Melatonin in the Regulation of Blood Pressure
in Spontaneously Hypertensive Rats**

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This study provides evidence that 1) nocturnal serum melatonin concentration is decreased in SHR rats after the development of hypertension, 2) elevated blood pressure of the adult SHR rat responds to melatonin and is significantly reduced at the dose of 6 mg/animal per day for 5 days. These findings suggest that melatonin is involved in the regulation of blood pressure and acts as endogenous antihypertensive factor at least in SHR rats.

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