

20	
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Title	BIOLOGICAL CLOCK – SERUM MELATONIN IN HYPERTENSION
Department	SREE BALAJI MEDICAL COLLEGE AND HOSPITAL
Category	Pituitary Neuro endocrinology and Gut hormones
Abstract	<p>ABSTRACT BACKGROUND : Serotonin is a endocrine product of pineal gland with circadian rhythm produced predominantly in night time . Serotonin , by acting through specific receptors located in peripheral tissues and in CNS influence the blood pressure control . It has blood pressure lowering effect ,cardio-protective and anti-oxidant property .</p> <p>AIM & OBJECTIVE : To study serum melatonin level in hypertensives and compared with healthy controls .To know the significance of assessing serotonin level in hypertension .</p> <p>MATERIALS & METHODS : Study was conducted in a total of 100 persons , of which 50 are known hypertensives and 50 are healthy controls.Serum melatonin levels was assessed by radio immuno assay .</p> <p>RESULTS : Serum melatonin level was low in hypertensives than healthy controls .</p> <p>CONCLUSION : Serotonin , being having anti-hypertensive effect and cardio protective property , if its level is lowered it indicates the risk of developing complications especially cardiovascular events . Hence , assessment of serotonin in hypertensives help in monitoring and preventing the occurrence of complications by early detection .</p>
Conflicts	None
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Decision of Scientific committee	
State if accepted for oral	