

## **Abstract**

Sick sinus syndrome (SSS) is the dysfunction of the Sino atrial node that leads to inability to generate a heart rate that meets the physiologic need of the patient secondarily due to senescence of the Sino atrial node and surrounding atrial myocardium. Patients with SSS are typically presents with symptoms of fatigue and lethargy. There are also several of electrocardiogram abnormalities can result from sick sinus syndrome.

Fifty two year old patient from Maharagama presented with giddiness and generalized body weakness for 1week duration. His ECG showed sick sinus syndrome with severe bradycardia. He was immediately inserted a temporary pacemaker. On further questioning he said Seven years back he was diagnosed to have hyperthyroidism and started on carbimazole15mg mane. Then he was given radioactive iodine tablet after six months of treatment with carbimazole. His thyroid function test revealed severe hypothyroidism.

He was started on thyroxin. He improved symptomatically but his heart rate did not show a significant improvement in the absence of pacemaker. Hence he had undergone a permanent pacemaker insertion which regularized his heart rate permanently.

**Key Words:** Sick sinus syndrome, Hypothyroidism, Radioactive iodine tablet, Pacemaker, Thyroxine