

# Regression of multiple cardiac rhabdomyomas in an infant after sirolimus therapy

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## Abstract

### BACKGROUND

Primary cardiac tumors are rare in children, with rhabdomyoma being the most common. It is rarely an isolated finding, and has a strong association with tuberous sclerosis complex (TSC). The clinical manifestations may vary, but most patients are asymptomatic. The complications of cardiac rhabdomyoma (CR) depend on the tumor's location, size, number and degree of invasion of cardiac tissues. Dysrhythmias may occur, the most common of which is supraventricular tachycardia (SVT), especially in those with multiple masses. Although benign and often associated with spontaneous regression, in some circumstances, surgical intervention is recommended when there is sufficient mass effect to adversely affect cardiac output.

### CONCLUSION:

This report adds to the body of evidence that sirolimus can cause regression of cardiac rhabdomyoma, providing a reasonable alternative to surgical excision. Further studies are needed to standardize treatment protocol using sirolimus for cardiac rhabdomyoma.

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## Biography

Dr. Jeremiah Claudine Calacal obtained her medical degree at DeLa Salle Health Sciences Institute Philippines at the age of 23 years. She completed her residency training in Pediatrics in St.

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