

Case report: Stroke in an 11-year old by a mass in the heart

Amyrul Azman¹, Mohamad Arif Muhammad Nor¹, Adlina Abdullah²

¹Department of Cardiothoracic Surgery, Hospital Sultan Idris Shah, Serdang, Malaysia, ²Department of Cardiothoracic Anaesthesia & Perfusion, Hospital Sultan Idris Shah, Serdang, Malaysia

ABSTRACT

A local case study of successful excision of left atrial myxoma presenting with post-embolic stroke in an 11-year-old child. Cardiac myxoma represents the most common primary cardiac tumors, commonly originating from the atrial endocardium but is very infrequent in the paediatric population. Despite its benign nature, its likelihood to cause severe morbidity and mortality necessitates comprehensive understanding. The precise etiology of cardiac myxomas remains elusive, although sporadic and familial occurrences have been documented. The clinical presentation of cardiac myxomas varies widely, ranging from asymptomatic incidental findings to life-threatening complications such as embolic events or intracardiac obstruction for example in this case. Surgical resection remains the cornerstone of management for symptomatic cardiac myxomas, aiming for complete excision while preserving cardiac function with the aid of cardiopulmonary bypass. Cardiac myxomas poses both diagnostic and therapeutic challenges necessitating a multidisciplinary approach encompassing the fields of cardiology, cardiothoracic surgery, intensive care and anaesthesiology. This case report aims to enhance the learning of the possible clinical presentation of cardiac tumors, investigations and surgical options for resection. Through collaborative efforts, optimal outcomes can be achieved, minimizing morbidity and improving the prognosis for patients with cardiac myxomas.