



Successful percutaneous transcatheter closure of unusually large Ruptured sinus of Valsalva – Two cases

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Abstract

Ruptured sinus of Valsalva (RSOV) a rare but well recognized entity commonly presents in young male with signs of heart failure. In this article, we report two patients of large RSOVs, who were treated through a percutaneous route with the duct occluder device (16/14) despite of being unusually large. Earlier such patients were treated surgically but with recent advancement of interventional cardiology more number of the patients can be treated percutaneously but only after suitable case selection, assessment of anatomy using transthoracic, transesophageal echocardiography and catheterization and addressing complications including aortic regurgitation, device embolization and obstruction of flow.

Keywords: Ruptured sinus of Valsalva, percutaneous closure, duct occluder device.

Biography

Dr Aditya Gupta, is an accomplished Neurosurgeon, has been a graduate and topper at All India Institute of Medical Sciences, New Delhi. He was later selected to become Faculty, and remained as Associate Professor of Neurosurgery till 2009. Thereafter, he co-founded the Institute of Neurosciences at Medanta, where he worked till mid-2016 as Additional Director, Neurosurgery.

Dr Aditya Gupta has not only developed excellent surgical techniques for a wide variety of brain tumors, with an emphasis on microsurgery and radiosurgery, but also has special and unique skills in managing patients of Movement Disorders with Deep Brain Stimulation (DBS), Surgery for Epilepsy, Nerve and Brachial Plexus Surgery, Brain aneurysms and AVMs. He is also an expert in all kinds of spine surgery. He has more than 40 scientific publications, chapters in books and is an invited speaker in national and international meetings. He has featured on national television on several occasions. He is clearly one of the best neurosurgeons in the country today.



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