

CURIOUS CASE OF CORONARY SINUS OSTIAL ATRESIA WITHOUT PERSISTENT LEFT SUPERIOR VENA CAVA

Arun Sharma¹, Harsimran Bhatia¹, Sachin Mahajan², Manphool Singhal¹

¹ Department of Radiodiagnosis, PGIMER, Chandigarh-160012, India

² Department of Cardiovascular and thoracic surgery, PGIMER, Chandigarh-160012, India

CT angiography images (Figure 1A-C) from a 51-year-old male patient with aortic stenosis incidentally showed coronary sinus (CS) ostial atresia (arrowhead in A & C) with no communication of the CS to the right atrium (RA). The cardiac venous drainage was anomalous and was seen draining into the left atrium (LA) through a tubular channel (arrow in A & dashed arrow in C) with presence of small ostium secundum atrial septal defect (arrow in B). Calcific thickening of aortic valve was seen

(arrowheads in B). No persistent left superior vena cava (LSVC) was seen.

CS ostial atresia is a rare CS abnormality which is usually described in association with persistent LSVC. Rarely, it may be seen without persistent LSVC, as seen in our case. Knowledge of CS abnormalities is crucial for appropriate preprocedural planning and even clinically occult abnormalities should be mentioned in the reports as it might avoid catastrophic situations.

