Dilated Pulmonary Artery Containing Swirling Smoke (SEC)

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Cases of dilatation of pulmonary artery in medical literature are not very uncommon. However presence of swirling smoke in dilated pulmonary arteries is very

![Figure 1: Showing dilated MPA, LPA, RPA with swirling smoke.](image-url)
ed RVOT with normal LV ejection fraction. Main pulmonary artery was dilated 7.6 cm with dilatation of right and left pulmonary artery 4.1 cm and 3.94 cm respectively. There was mild PR and mild TR. There was swirling pattern of Spontaneous Echo Contrast (SEC) noted in the pulmonary arteries. Figure 1 showing the dilated MPA, LPA, RPA. Figure 2 showing dilated pulmonary trunk with normal pulmonary and aortic valve.

Video 1 showing swirling pattern of smoke in the pulmonary trunk and its branches. Patient was immediately started on anticoagulation and planned for TEE (Transoesophageal Echocardiography). TEE did not reveal any septal defect. There was no clear cut shunt in any level. Bubble contrast study also failed to prove any communications. Patient was diagnosed as suffering from Idiopathic dilatations of pulmonary artery.

Financial Disclosures
None.

Conflict of Interest
None.