MEMBRANOUS VENTRICULAR SEPTAL ANEURYSM

MIMICKING AS

VENTRICULAR SEPTAL DEFECT
INTRODUCTION

- Congenital aneurysm of membranous septum is rare but reported with ↑ frequency

- Associated with small VSD with insignificant shunt
Case history

- 7 yrs old girl
- c/o recurrent respiratory infection
- Exertional dyspnea & poor growth since birth
- ECG – mild Rt Axis deviation
- Cxr – mild cardiomegaly
- Echo – perimembranous VSD – size -13 mm
  Aneurysmal dilatation of membranous part of IVS
- Discrete subaortic membrane
OPERATIVE FINDINGS

- No Ventricular Septal Defect
- No subaortic membrane
- Aneurysmal dilatation of membranous septum seen
- Aneurysmal sac closed with plegetted sutures
- Post-op period uneventful
- Post-op Echo – No evidence of shunt
CONCLUSION

- Membranous aneurysm usually associated with -
  - Perimembranous VSD
  - Aortic stenosis
  - Subaortic stenosis
  - Coarctation of Aorta
  - RVOT Obstruction

- Plausible Theory relates to
  - NATURAL SPONTANEOUS CLOSURE OF VSD