



Primum Atrial Septal Defect

Suvro S. Sett MD
Maria Fareri Children's Hospital
New York Medical College
March 2011





Primum Atrial Septal Defect

- Definition



Primum Atrial Septal Defect

- Symptoms
- Down's syndrome
- Associated anomalies
- Left atrioventricular valve regurgitation



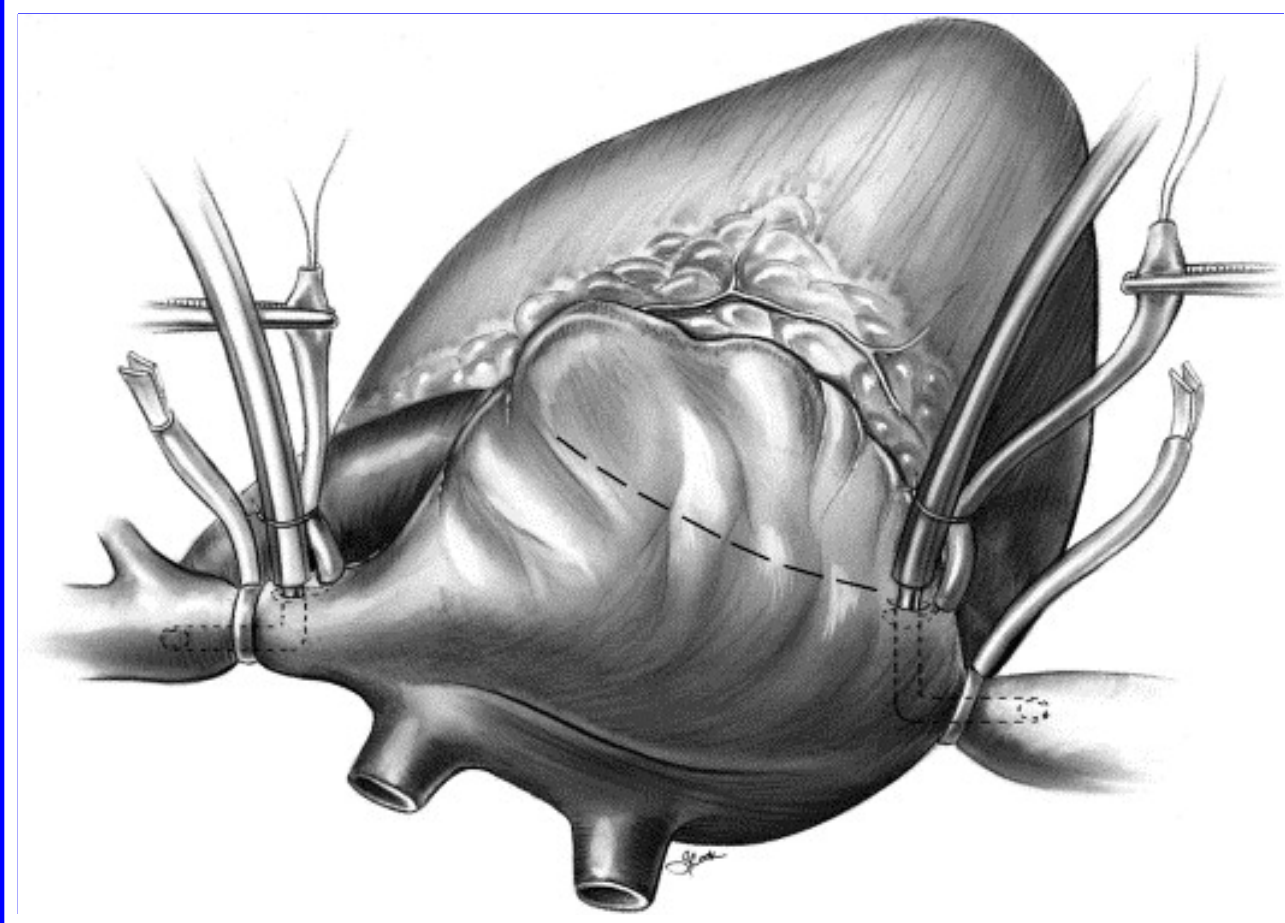


Primum Atrial Septal Defect

- Timing of surgery



Figure 1

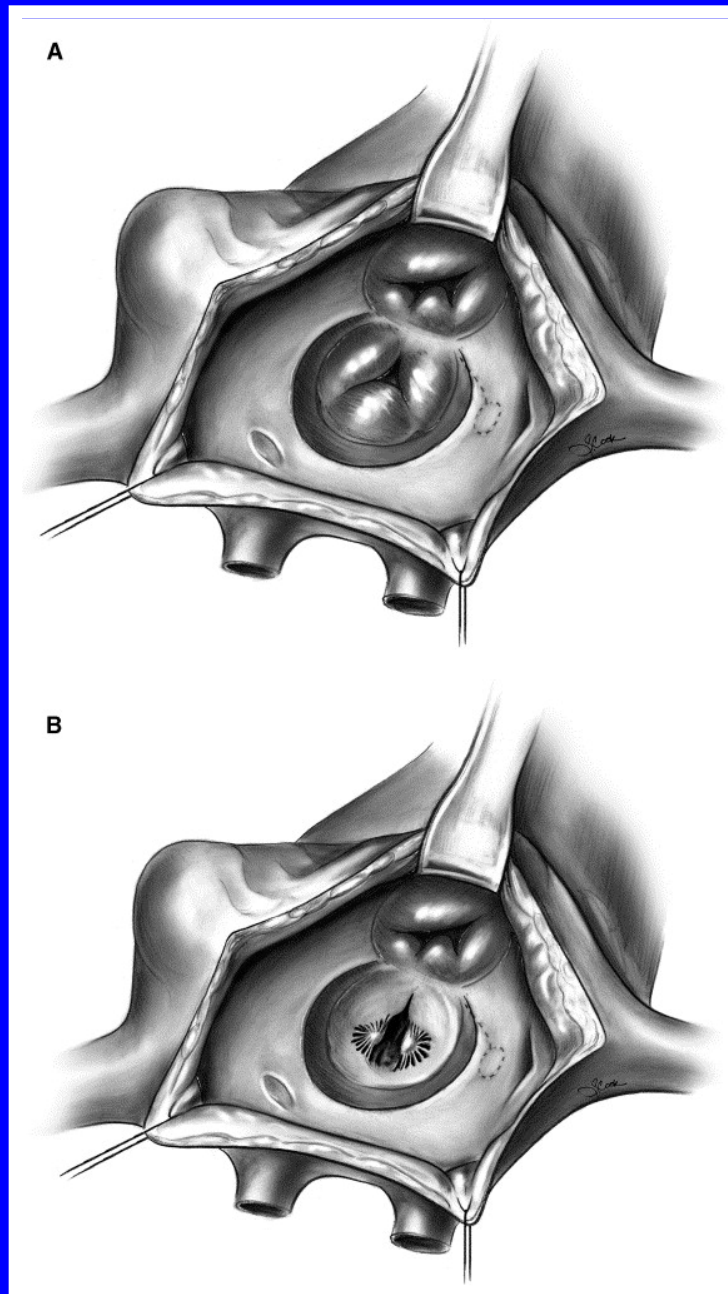


Source: [Operative Techniques in Thoracic and Cardiovascular Surgery 2004; 9:240-246](#) (DOI:10.1053/j.optechstcvs.2004.08.001)

Copyright © 2004 Elsevier Inc. [Terms and Conditions](#)



Figure 2



Source: [Operative Techniques in Thoracic and Cardiovascular Surgery 2004; 9:240-246](#) (DOI:10.1053/j.optechstcvs.2004.08.001)

Copyright © 2004 Elsevier Inc. [Terms and Conditions](#)



Figure 3

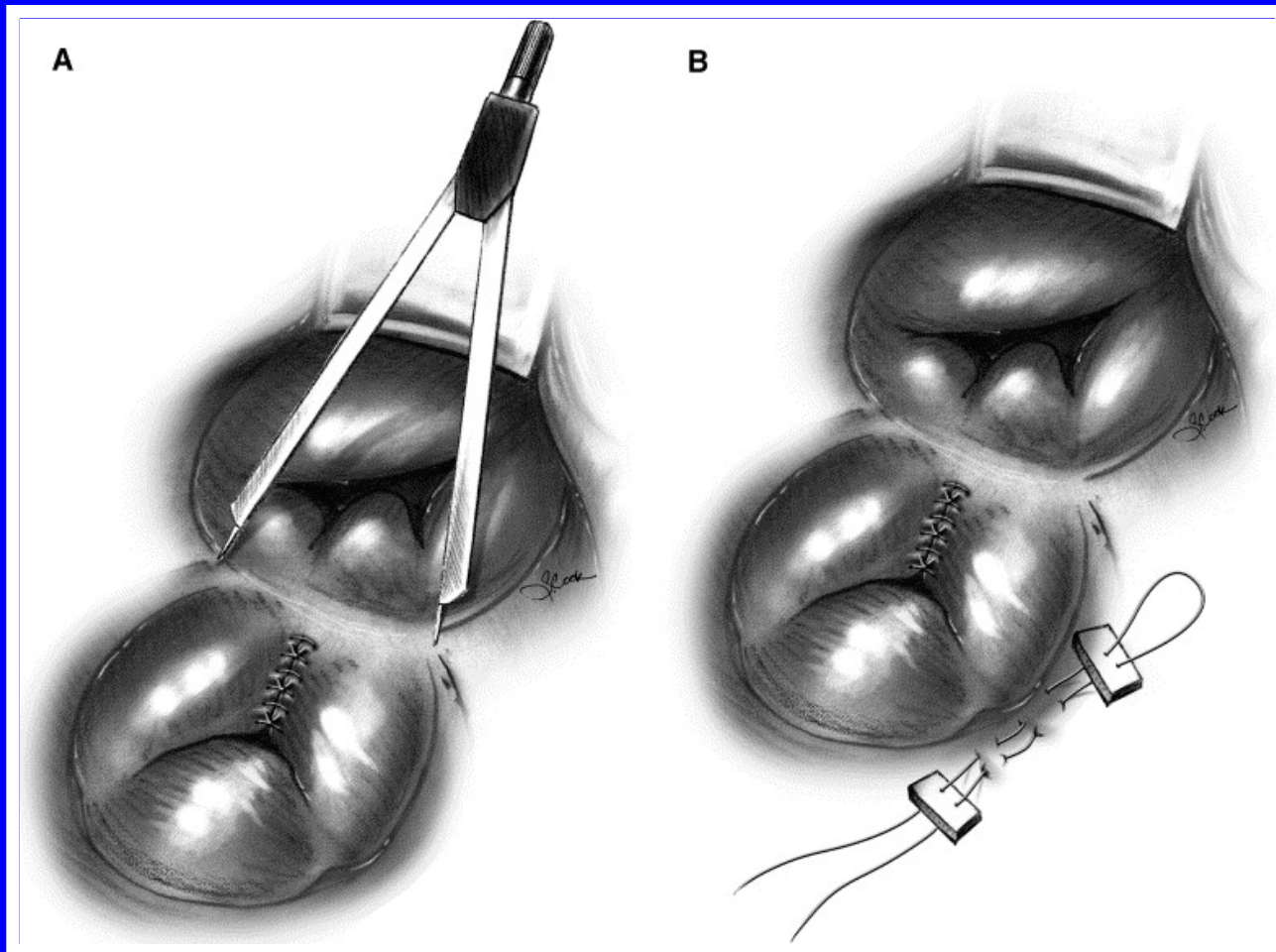
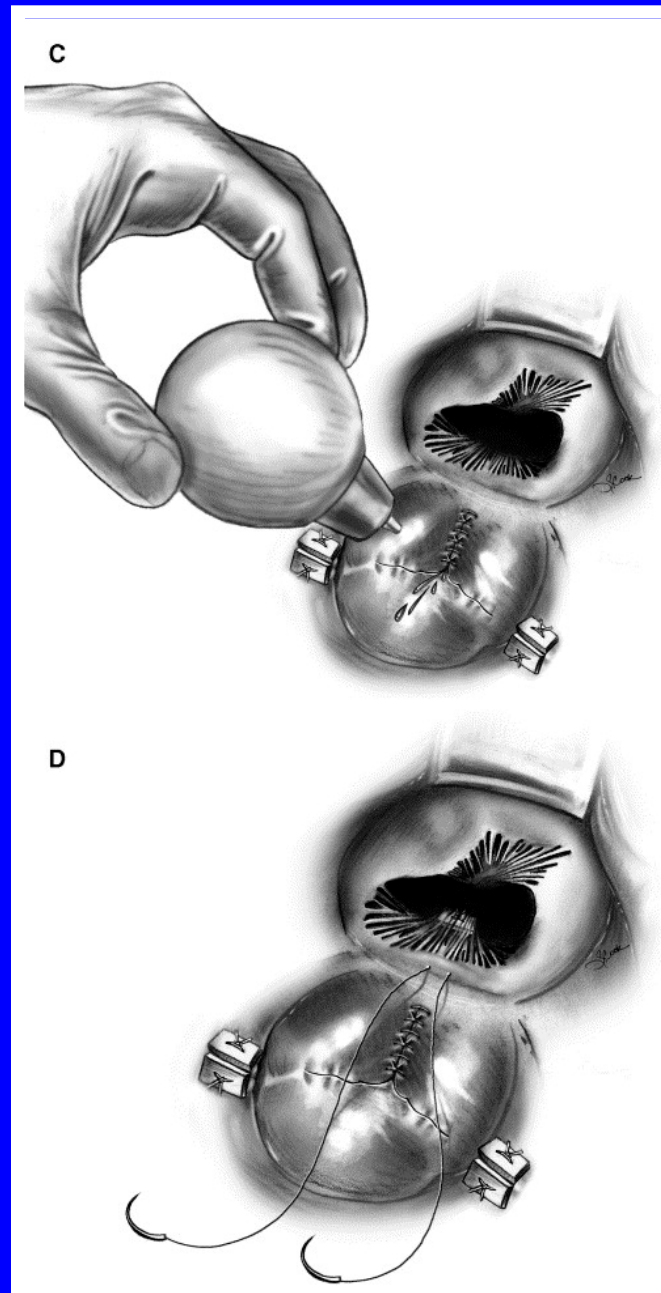


Figure 3

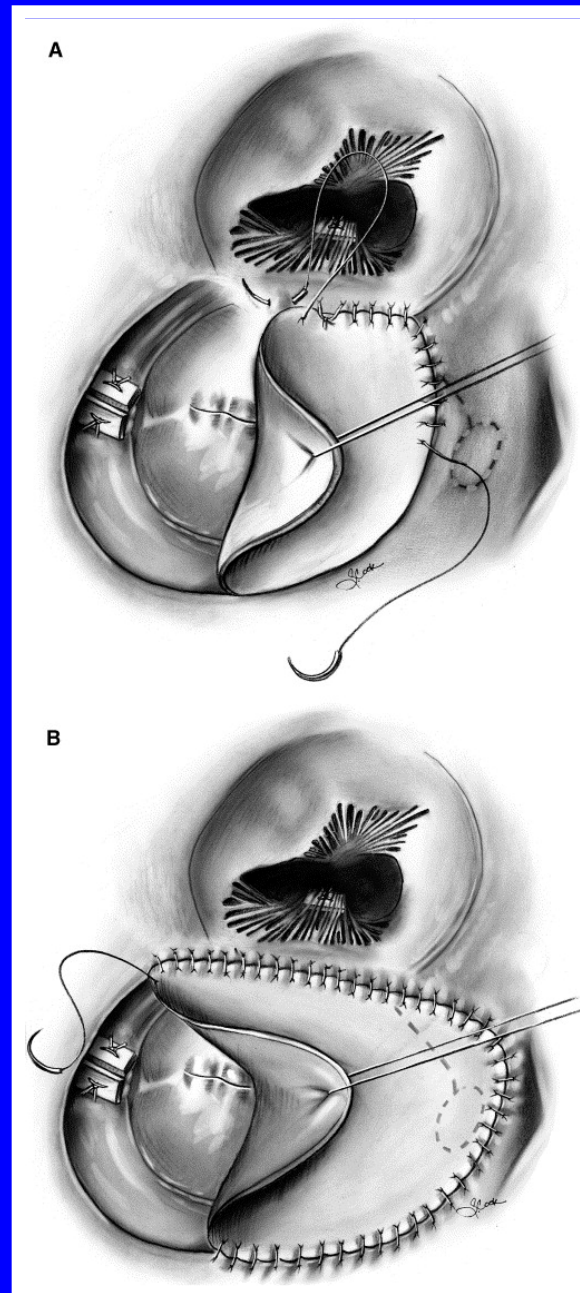


Source: [Operative Techniques in Thoracic and Cardiovascular Surgery 2004; 9:240-246](#) (DOI:10.1053/j.optechstcvs.2004.08.001)

Copyright © 2004 Elsevier Inc. [Terms and Conditions](#)

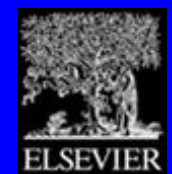


Figure 4



Source: [Operative Techniques in Thoracic and Cardiovascular Surgery 2004; 9:240-246](#) (DOI:10.1053/j.optechstcvs.2004.08.001)

Copyright © 2004 Elsevier Inc. [Terms and Conditions](#)





Primum ASD

- Primum ASD presenting in infancy





Primum ASD

- Primum ASD in the adult





Primum ASD

- Results
- Mortality
- Post operative complete heart block
- Freedom from reoperation for left atrioventricular valve regurgitation
- Incomplete closure of the cleft



Primum ASD

- References
- Najm Hani K., Williams WG, Chuaratanaphong S, Watzka SB et al Primum atrial septal defect in children: early results, risk factors, and freedom from reoperation Ann Thor Surg 1998;66:829-35
- Minich LL, Atz AM, Colan SD, Sleeper LA et al Partial and transitional atrioventricular septal defect outcomes Ann Thor Surg 2010;89:530-536
- Jonas RA Comprehensive Surgical Management of Congenital Heart Disease
- Manning PB Mayer JE Sanders SP Coleman EA Jonas RA et al Unique features and prognosis of primum ASD presenting in the first year of life Circulation 1994;90[part 2]:II-30-II-35
- Manning PB Repair of primum ASD with cleft mitral valve Operative techniques in Thoracic and Cardiovascular Surgery Vol 9 Issue 3 P 240-246 Autumn 2004
- Permission granted by Elsevier for use of figures 2011

