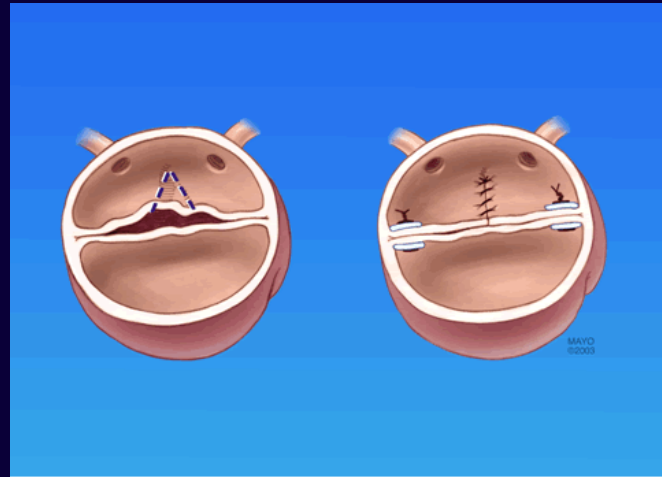


VALVE REPAIRS

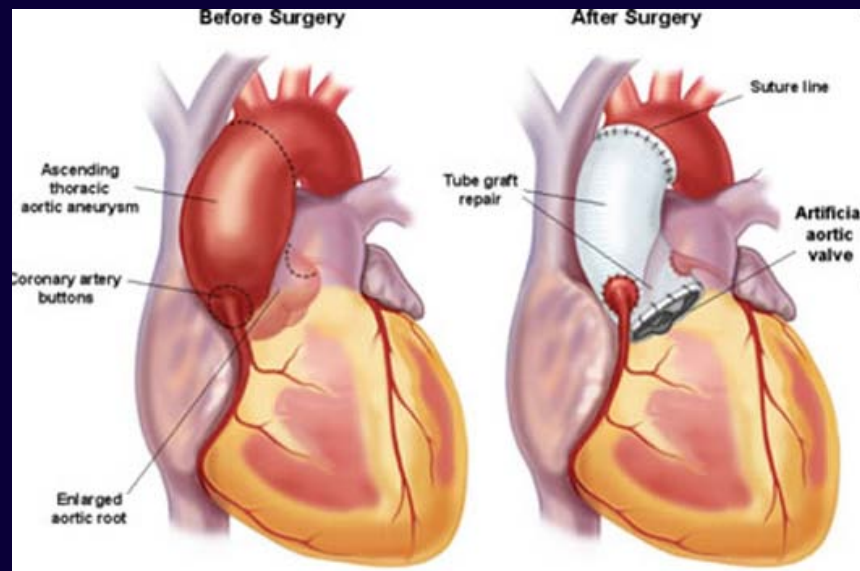
Below are some examples of valve repair techniques provided by Dr. James Gammie, The University of Maryland.

Aortic Valve Procedures



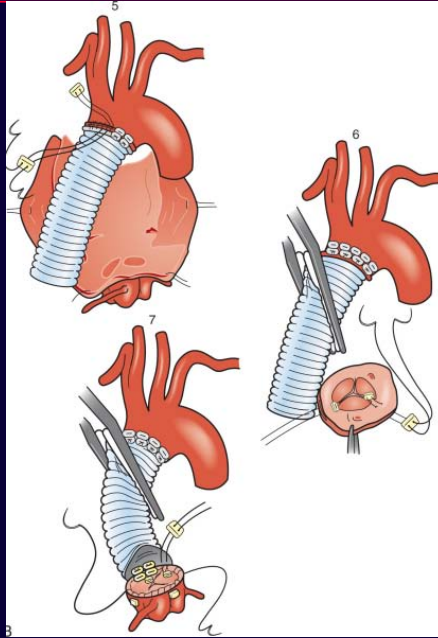
Aortic Valve Repair (leaflet plication + leaflet comm resuspension suture)

Aortic Valve Procedures



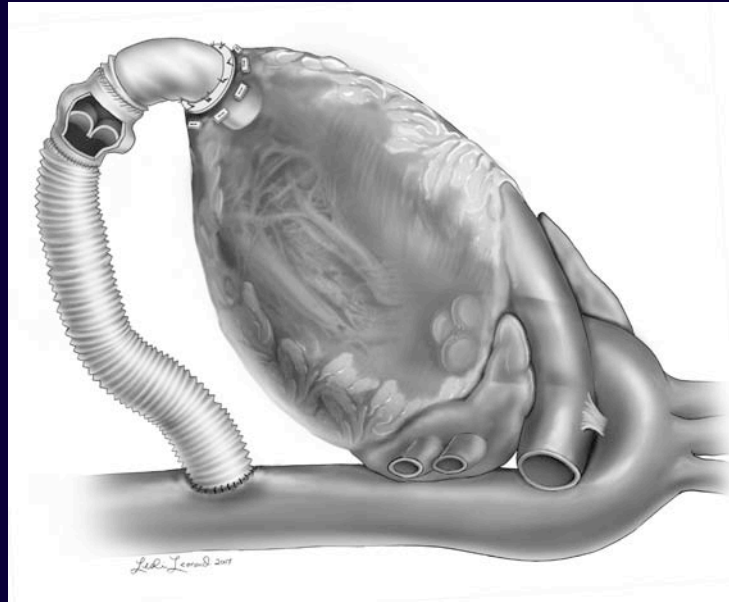
**Root reconstruction with valved conduit
AKA "root replacement"**

Aortic Valve Procedures



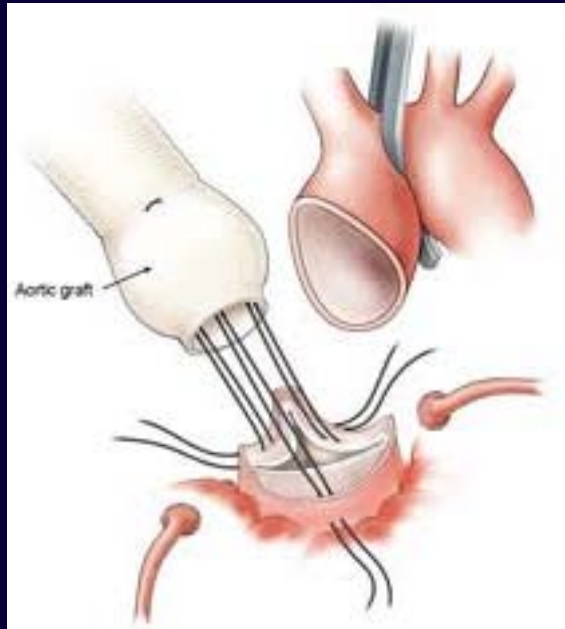
Resuspension of aortic valve with replacement of ascending aorta

Aortic Valve Procedures



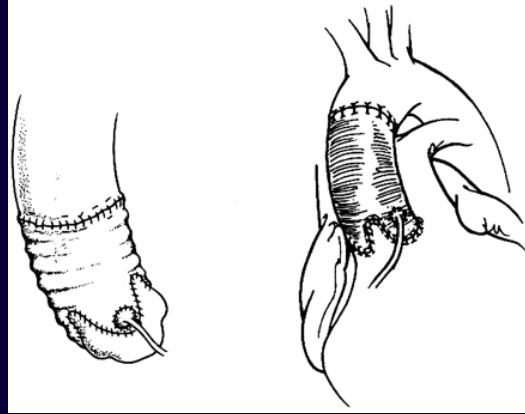
Apicoaortic Conduit (Aortic Valve Bypass)

Aortic Valve Procedures



Valve-sparing root reimplantation (David)

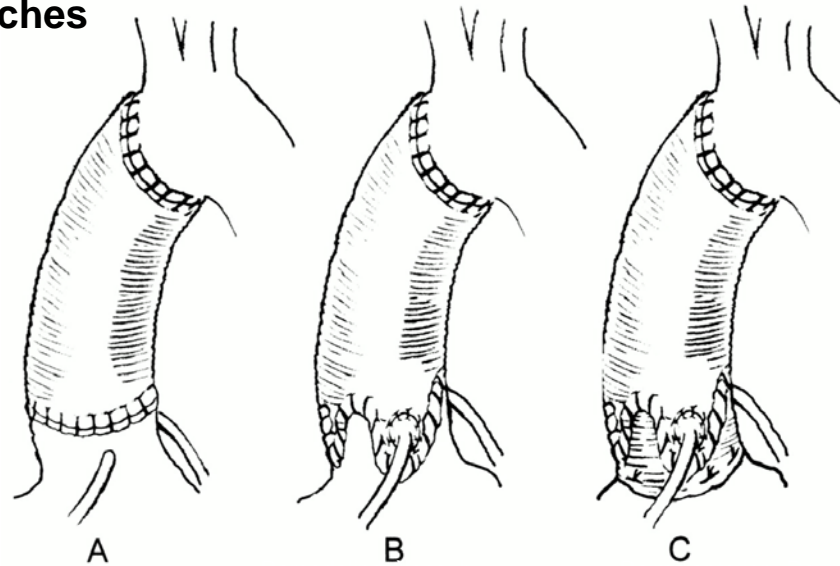
Aortic Valve Procedures



Valve-sparing root remodeling (Yacoub)

Aortic Valve Procedures

Schematic drawing of the different valve preserving approaches

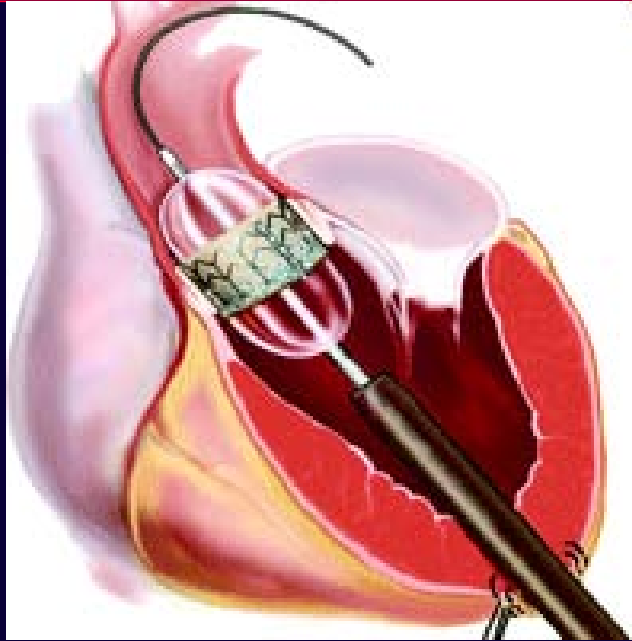


Graeter T. P. et al.; Ann Thorac Surg 2000;70:1460-1465

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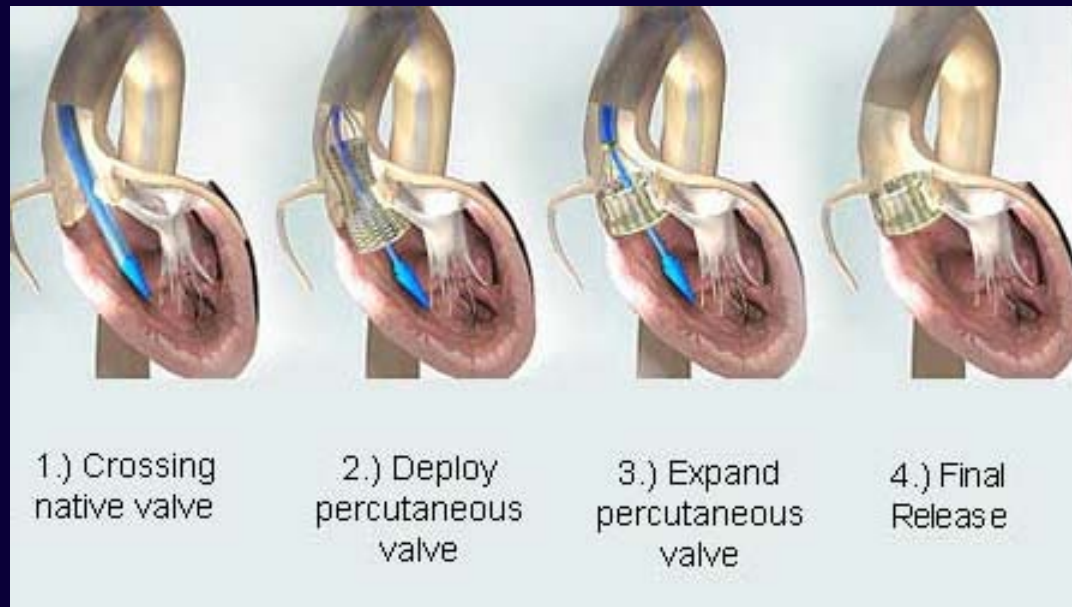
THE ANNALS OF
THORACIC SURGERY

Aortic Valve Procedures



Transcatheter Valve Implantation (transapical)

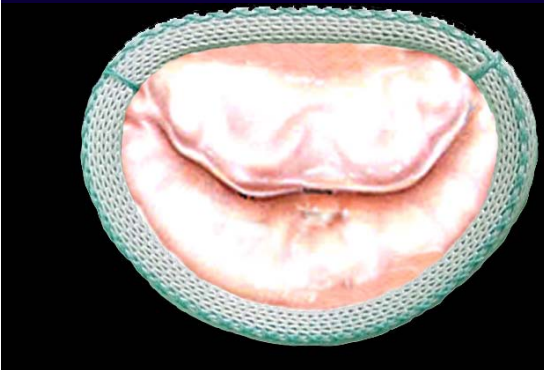
Aortic Valve Procedures



Transcatheter Valve Implantation (transfemoral)

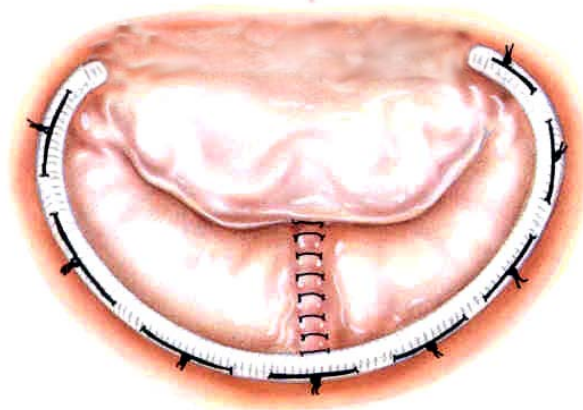
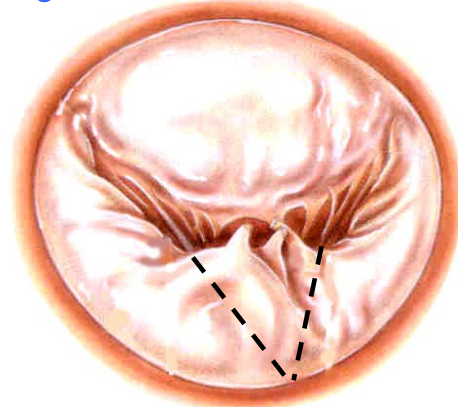
Mitral Valve Repair

Annuloplasty Rings:



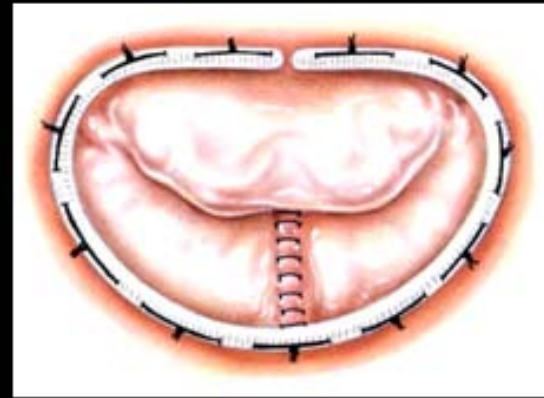
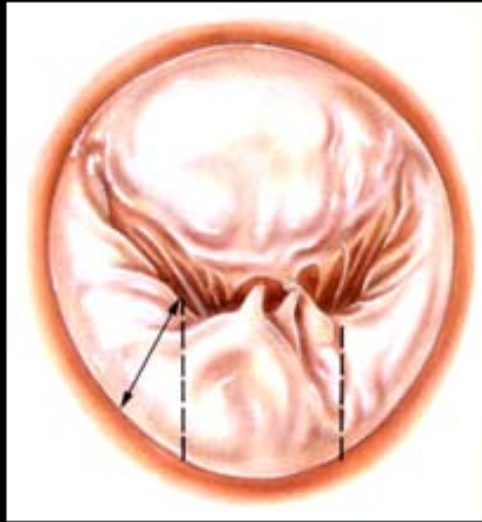
Mitral Valve Procedures

Triangular Resection



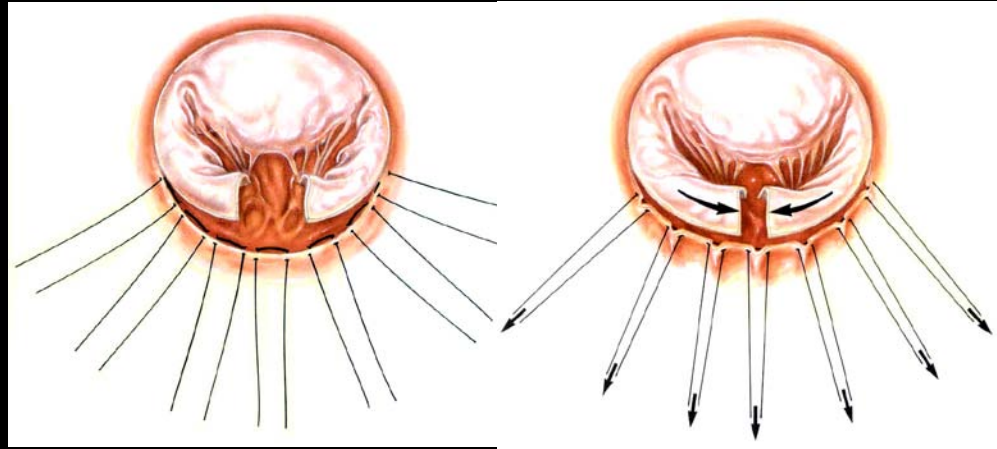
Mitral Valve Repair

Quadrangular Resection

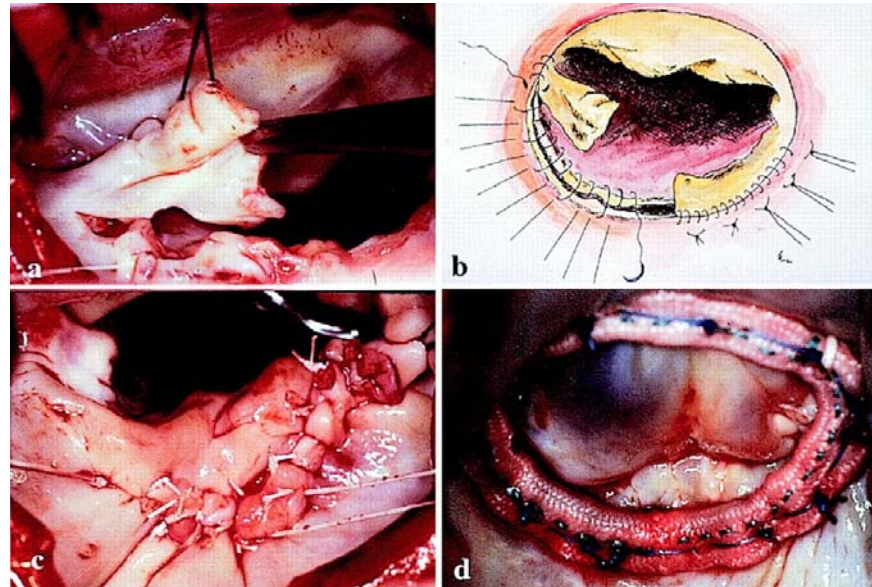


Techniques

Sliding Plasty



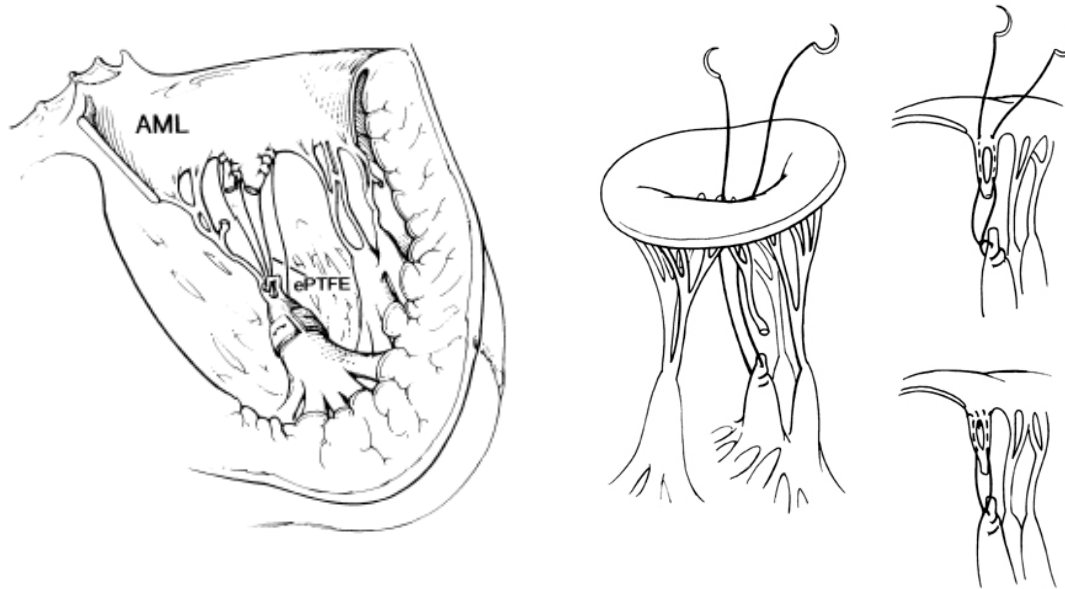
Mitral Valve Procedures: Annular Decalcification



Ng C.-K. et al.; Ann Thorac Surg 2000;70:53-58

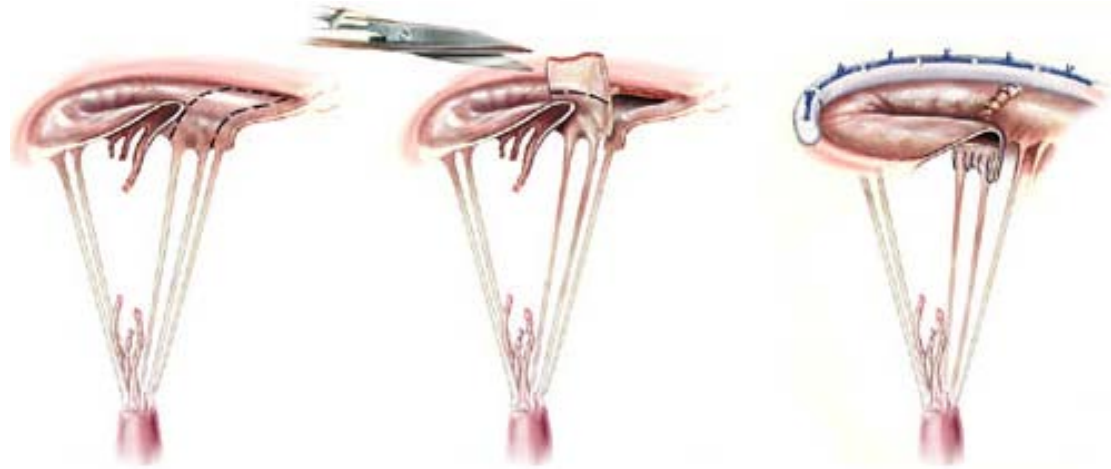
(a) Leaflet and atrial edge mobilized after decalcification process

Gore-Tex Chordal Replacement:



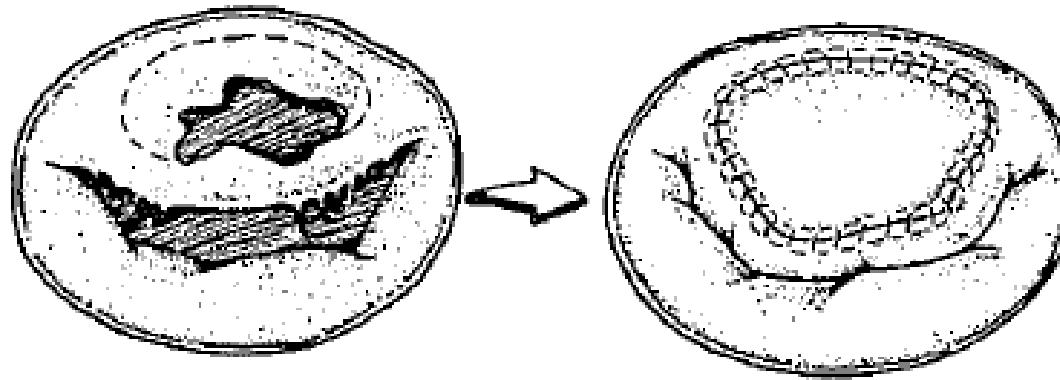
Mitral Valve Procedures

Chordal Transfer



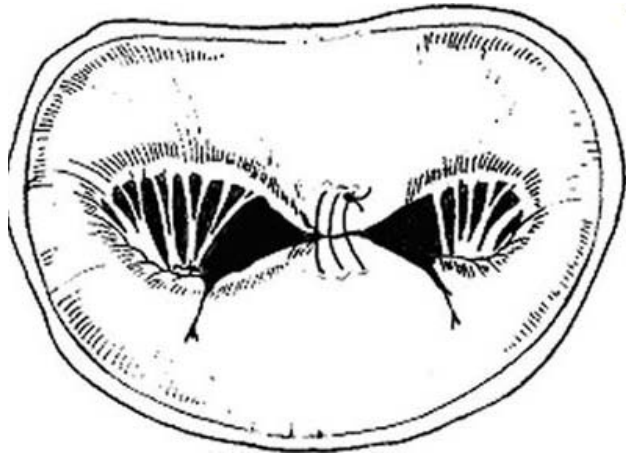
Mitral Valve Procedures

Leaflet Patch



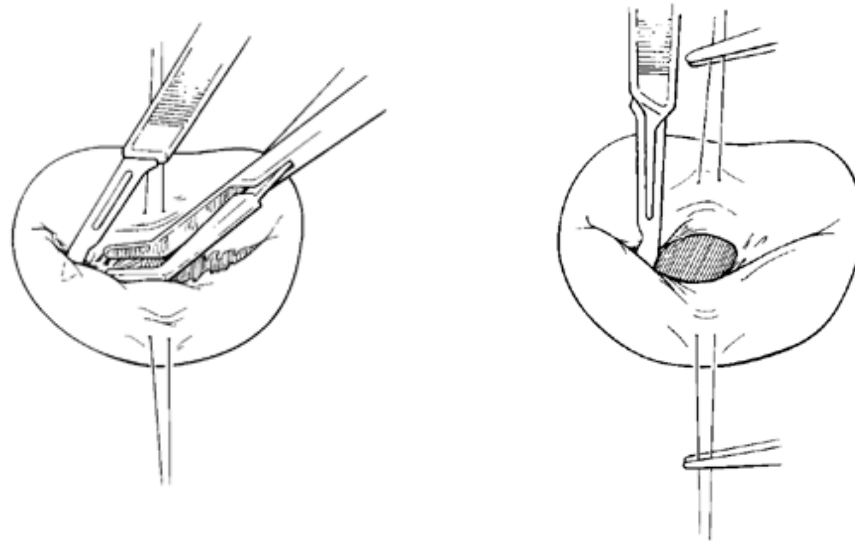
Mitral Valve Procedures

Edge-to-Edge Repair



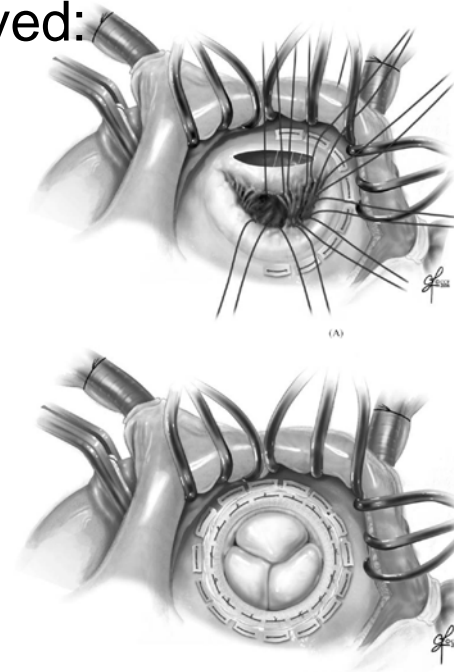
Mitral Valve Procedures

Mitral Commissurotomy



Mitral Valve Procedures

Mitral Chords Preserved:



Tricuspid Valve Procedures

Annuloplasty

