CARDIAC ANATOMY

CARDIAC DISSECTION: TRICUSPID AND PULMONIC VALVES

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Structures in RA

- Pectinate muscles
- Terminal crest
- SCV
- Eustachian valve
- Oval fossa
- Coroary sinus
- Inferior caval vein
- Thebesian valve
Crista Terminalis

Structures in RA
Inside RA: Fossa ovalis

Tricuspid Valve: Relationship to Conduction system
The 4 valves: Above perspective

- Largest of all valves
- Most apically positioned

TV insertion: More apical relative to MV
TRICUSPID VALVE COMPLEX

Leaflets
Annulus
Chordae
Papillary muscles
RV

TV: Identifying the leaflets

3DE: RA view, top of valve

3DE: RV view, below the valve

Above the valve perspective
Tricuspid valve leaflets

Posterior Leaflet: 3 Scallops
Complex chordal structure
Tricuspid annulus: Compared to MV

Tricuspid annular dilatation

TON-NU T ET AL. CIRCULATION 2006; 114, 143-9
TV: Subvalvular Apparatus

- Anterior PM: the most prominent
- Posterior PM: often bifid or trifid
- Septal PM: the least prominent
  - missing in 20% of subjects
  - often rudimentary
  - often more than one

Tricuspid Valve Leaflets from below
Pulmonic valve

Relationship of PV to AoV
PV anatomy:

THANK YOU!