Emerging Transcatheter Device Technologies: An engineering design perspective
PVT/Edwards Balloon-Expandable Valve

Technical Advances in Percutaneous Aortic Heart Valve Implantation, A. Cribier
CoreValve Self-Expanding Stent Valve

Initial Experience With a New Self-Expanding Aortic Valve Prosthesis, U. Gerckens MD
Paniagua Aortic Valve
Aortic Valve Demineralization System

Corazón

Foam Sponges  Ostial Occluder  Ventricular Occlusion Balloon

Aspiration  Buffer Wash  Corazón Proprietary Lavage Technology
Percutaneous Pulmonary Valve Replacement in a Large Right Ventricular Outflow Tract, Bonhoeffer et. al.
Mitral Valve Repair – via Coronary Sinus

Percutaneous valve therapies, T. Feldman, TCT 2005
Mitral Valve Repair – Edge-to-Edge
Mitral Valve Repair – Edge-to-Edge
Percutaneous Valve Therapies Market

- 100,000 valve ops/yr, 300,000 OUS (2004)
  ~ 60% Aortic
    • 60% tissue
    • 40% mechanical
  ~ 40% Mitral
    • 70% prostheses
    • 30% repairs

Percutaneous valve therapies, T. Feldman, TCT 2005
Closure Devices

...PFOs...

...ASDs...

CardioSEAL STARFlex

Amplatzer

Helex

Premiere PFO Closure System – Preliminary Results of a Multi-center Trial, Taaffe et. al
Vena Cava Filters

“Permanent or Retrievable IVC Filters?”, C. Mialhe
Embolic Protection

Angiogurad
Accunet
Emboshield
FilterWireEZ
Spider

Filters versus Occlusion Balloons during CAS, K. Mathias
Carotid Artery Stents

Technical Aspects and Stent Selection for CAS, H. Sievert and J. Sugita
Bifurcations

Pre-clinical evaluation of bifoucation stents: Implantation techniques, flow dynamics, and drug delivery requirements, A. Groothuis
Side Branches

The BSC/AST Petal Side-Branch Access Stent, J. Ormiston, et. al.
Fenestrated Stent Grafts

Do Fenestrated Stentgrafts have a Role in AAA Endovascular Repair, K. Ivancev
Optimed Sinus-Aorta Stent

Self Expanding Stents in Aortic Coarctation, M. Mullen
Bioresorbable Stents

Polymeric and Non-Polymeric Biodegradable Stents, M. Haude
Endographs for AAA: technique and results are definitely in favour, JC Parodi
Woven Mesh Stent

First Experimental Results with the Multilayer Stent, M. Henry, et al.
**eNitinol**

**SESAME**
Membrane Covered Stent for SVG’s

*Self-Expanding Super-elastic All-Metal Endoprosthesis*

*First in Man Multicenter OUS Registry*

**Presenter Disclosure Information**

Name: Steven R Bailey

Within the past 12 months, the presenter or their spouse/partner have had the financial interest/arrangement or affiliation with the organization listed below.

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