Role of Bare Metal AMDS Stents for Repair of Acute DeBakey type I Dissections: Indications and Results

Wilson Y. Szeto, MD

Chief, Division of Cardiovascular Surgery Julian Johnson II Professor of Surgery Perelman School of Medicine University of Pennsylvania Philadelphia, PA

> Veith Symposium New York, New York November 20 , 2024

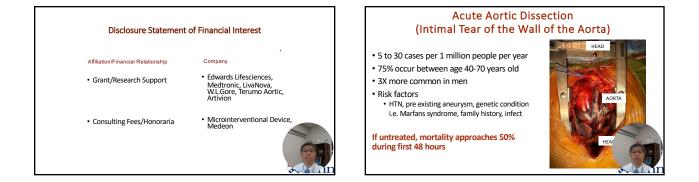
🛱 Penn

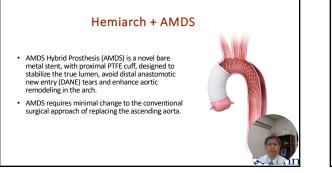
Role of Bare Metal AMDS Stents for Repair of Acute DeBakey type I Dissections: Indications and Results

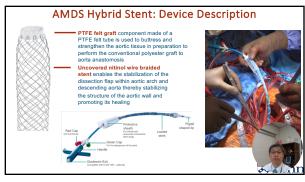
Wilson Y. Szeto, MD Chief, Division of Cardiovascular Surgery Julian Johnson II Professor of Surgery Perelman School of Medicine University of Pennsylvania Philadelphia, PA

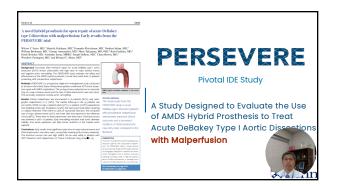
Veith Symposium New York, New York November 20 , 2024



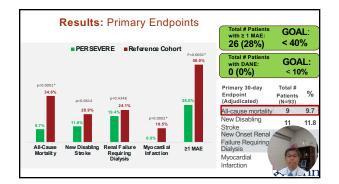


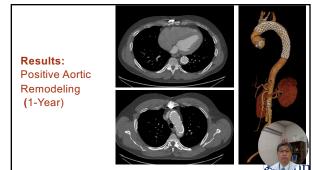


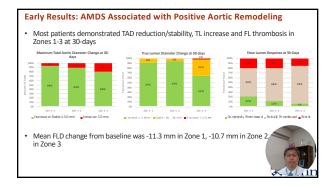




	Total # Patients (n=93)	
Operative Summary	#	%
Concomitant Procedure	79	84.9%
Root Repair or Replacement	35	37.6%
Aortic Valve Resuspension	34	36.6%
Valve Repair or Replacement	21	22.6%
CABG	5	5.4%
Other	24	25.8%
Guidewire Use	10	10.8%
Fluoroscopy Use	8	8.6%
Antegrade Cerebral Perfusion	43	46.2%
Retrograde Cerebral Perfusion	45	48.4%
	Median	
AMDS Deployment Time (mins)		4
Total AMDS Implantation Time (mins)		5
Circulatory Arrest Time (mins)		18
Lowest Core Temperature (deg C)		









- 30- day mortality was <u>9.7%</u>
- There is an <u>absence</u> of DANE at 30-days and through longest follow-up
- · Early remodeling data demonstrates true lumen expansion in majority of patients
- Technical success rate is high, with minimal time added to circulatory arrest

 AMDS is an effective adjunct to proximal aortic repair in ADTI patients v malperfusion

Indexenses: Zintrisci Let al. J. Thome Candowase Sang 2019; Paciel D et al. Eur J Candisthones Sang 2012; Gintaulous E. et al. J. Thome Candowase Sang 2009; Geinzan A. et al. Ann A. Canddol Sand et al. Ann. Candido Sang 2010; Englis MA et al. Ann Thome Sang 1994; Rylah B et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candis Tathemeous: Bing F et al. Vasc and Endowase Sang 2014; Englis MA et al. Ann Thome Sang 1994; Rylah B et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candis Pathemeous: Bing F et al. Vasc and Endowase Sang 2014; Englis MA et al. Ann Thome Sang 1994; Rylah B et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candis Pathemeous: Bing F et al. Vasc and Endowase Sang 2014; Englis MA et al. Ann Thome Sang 1994; Rylah B et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candis Pathemeous: Bing F et al. Vasc and Endowase Sang 2014; Englis MA et al. Ann Thome Sang 1994; Rylah B et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candis Pathemeous: Bing F et al. Vasc and Endowase Sang 2014; Englis MA et al. Ann Thome Sang 1994; Rylah B et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2017; Tamura K et al. Euro J Candisthones Sang 2

