

With TAAD When And How Should The Distal Aorta Be Treated By TEVAR Before Repair Of The Ascending Aorta

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Comparative Study > J Thorac Cardiovasc Surg. 2014 Jul:148(1):11

Acute type I aortic dissection: traditional versus hybrid repair with antegrade stent delivery to the descending thoracic aorta

Curania Preventza ¹¹, Roberto Cervera ²², Denton A Cooley ³, Faisal G Bakaren ⁴⁴, Almed S Mohamed ³, Benjamin Y C Cheong ³, Lorraine Corrwell ⁴⁴, Katherine H Simpso

Affiliations + expand PMID: 24041767 DOI: 10.1016/jjtcvs.2013.0 Free article

Abstract

ADVITAGE Objective We compared the short-term outcomes between patients who had undergone class repair for type I anric dissertion and those who had undergone concentrate antegoads sterifi the deconsitivity towards: canta. Methods: from January 2005 to December 2012. 112 patients were tweational of noach type I and dissertion. Bijthy any patients (serue yak underwert traditional apartations on the attending

In our original study

May be could help patients with malperfusion

Preventza et al : JTCVS 2014











CT finding	Overall n=121	Stent n=52	Non stent n=69	P value
Stent area FL thrombosis		37 (71.2)	NA	NA
DTA complete thrombosis and remodeling	53 (43.8)	33 (63.5)	20 (29.0)	.0002
(E)			P	



Comparative Study > J Thorac Cardiovasc Surg. 2013 Feb:145(2):385-39 doi:10.1016/j.tovz.2012.01.042. Epub.2012 Feb.15.

ar uningeneration in an agreement, and short-term Clinical presentation, management, and short-term complicated by mesenteric malperfusion: observations from the International Registry of Acute Aortic Dissection

Marco Di Essario ¹⁸, Santi Trimarchi, Himanshu J Ratel, Staant Hatchison, Ton Staabi, Mark D Petenson, Roberto Di Bartolomo, Giankaca Felenari, Reed E Pynitz, Alan C Bravern Daniel G Montgomery, Liric M Isselbacher, Christoph A Nienaber, Kim A Eagle, Rossella Fatto 2017 dana anamati

PMID: 22341418 DOI: 10.1016/j.jpcvi.2012.01.042 Free article

Abtracti The second se

Acute Type A complicated with mesenteric malperfusion

Extremely poor outcomes 2/3 died during hospitalization (63.2% versus 23.8%)

One of the strongest risk factors for early mortality OR 2.5

Marco Di Eusanio et al : JTCVS 2013 (IRAD registry)

revascularizations				Is acute type A aortic dissection a true surgical emergency?	
Amar Geisson [®] , Wilson Y Szete, Alberto F Y Joseph Woo, John G Augoustides, Joseph	tschettine, Michael L. McGarvey, I E Bavaria	Martin G Krene,		Anthony L Estren	¹⁹ , Tam T T Huynh, Epal E Porat, Charles C Miller 3rd, Jesse J Smith, Hazim J Sal
Affiliations + expand PMD: 17500002 DOI: 10.1016/j.ajcts.2	> Interact Cardiovasc Thorac : Epub 2015 Jun 14.	Surg. 2015 Sep;21(2):346-51. doi: 10.1093/icvts/kv159.		Affiliations + ex PMID: 12060896	pand DOI: 10.1053/swas.2002.33093
Abstract	Management of	visceral malperfusion compl	icat	Abstract) for / Geletene Seg 2011 for (2) 2014 for (
Objective: The aim of this study was to with acute type A aortic dissection follor effects on mobility. Increasing mortality	with acute type	A aortic dissection nkali ² , Tuya Kar ² , Hitchi Indaki ² , Tukio Kuriyad		mortality owing mortality rema	diagnostics, intervention and surgery in acute type A dissection
primary tear site with restoration of flow revascularization of malperfused organ	Affilations + expand PMD: 26078384 DOI: 10.105	diliations + expand MAD: 26078284 DOI: 10.1093/6cmg/wr159		review our app management, r	Kondurtova magani **, monan koncia, tavan sebaran poha, sia kotarberg, monan buo, Marshia Thirinan, Kalmund Ethel, Holio Jakek Affliations + eigend
Methodic Our operative approach aims aortic valve with repair or replacement c arch under hypothermic circulatory are	Abstract	Provisional extension to induce complete attachm endorascular repair for acute type A aortic dissect viscoral malocefición	ent of an i ion with	Biterrame 2.1	Abstract
lumen at the distal anth/proximal desce descending thoracic true lumen. From A underwent repair of acute type A aortic	Objectives: The extent of vi to assess in view of the clink malperfusion can persist afb	Dannia Perentia, MD, ¹¹ Okyinka O, Ohiove E, MD, MPU, Sabhasis O, Alior Le Huu, MD, ¹ and Joogle S. Condi, MR ¹¹ Housen, Tex	latejes, MD/V	Opportunities in accurate diagnostical transformation provided to carry out monitories un input in without invasive diagnostics. This liphted opportunities according to the plant opportunities and the invasion of the second second second second second second second second second and/or instrumentical monitories. Results server a second second second second and/or instrumentical monitories. Results server a second se	
retrospectively and prospectively. Varios patients. The organ systems with malpe- lecolemonal, 12,7%; renal, 4,1%; mesente Resultas Coronary malperfusion require- revascularization was needed in 42,5% c	the true lumen. We therefor with acute type A aortic diss Methodic Among 121 patie January 2000 and December malpertusion. Eight of them	The nation of Validators Squares of Point Spars (MeV) MeVA many effects and the Point Spars (MeVA many effects) and the Point Sparse of American and American American American American American Mexico MeVA and American American American American Mexico MeVA and American American American American Mexico MeVA and American American American American American American American American American American American American Mexico MeVA and American American American American American American American American American American American American Mexico Merican American A	1		Methods (no. Mod. 2024 to Mod. 2021, 1021 coldificient and surgical primers are instead in a light (O). Of these, 134 parkens (pay 60), 13, 644 mode (paycout) with AAAM wave operated good, formed comparising (C) can a widely for 17% (III). (S) of once and engingering in 17% (C) (C). Nonperturb to memorphage (A subundling pay), (C) is an of the site of any operative stress stress and a subundle stress (S) (S) of once and engingering in 17% (C) (C). Nonperturb to memorphage (A subundling pay), (C) is an of the S) of the subundling pay. (S)
malperfusion were more likely to suffer come (p=0.012) delinium (p=0.011); sep and auste limb ischemia (p=0.001); file any malperfusion syndrome while coly (Both cardiac (p=0.020) and cerebral mal mortality. The actasarial loop term surviv and	repair, and 2 with circulatory Results: The 2 patients who to necrosis and died of mult rate, 200%. The lichaemic t revascularization) was signif with these who were liokab	1 Charles and a month of the second of the s	Contract and the force into 2011 Contract and any with the 2014 Contraction Pointennaise System for acute types 4 acute disactions and second mathematics (signed) for acute types 4 acute disactions and second mathematics (signed)	Finishin Transportion surgicityping was profession for 1 patients, and no singlingships thetaid complications and much during the sprawaters. And of 375:2017-0176 for the endowerd comparison profession and analysis of sprawater and analysis of sprawaters. The ADM counters patients in this NL transport during and analysis of sprawaters and and for counters patients. In TSU, Standardsen simplication in splantation in the ADM counters patients and analysis of the ADM counters and the ADM counters and the ADM counters patients and analysis. A standard counter have the ADM counter and the ADM counters and applications and analysis of the ADM counters in the ADM and the ADM counters and any applications. The ADM counters are interested in the ADM counter and and analysis of an analysis of the ADM counters and analysis of the ADM counters and and ADM and and ADM counters and an ADM counters and analysis of the ADM counters and ADM and the ADM counters and and and and analysis of the ADM counters and ADM and ADM and ADM and ADM and ADM and and ADM counters and ADM and ADM and ADM and ADM and ADM an	
Kanlan Malay methods to be 62.06 a / d	lactate levels did not signific	Prime with two A area disaster (AAD) and more	a fannensis ar j	uge for and Mi	propertive leastice degenetics and 24% (\$CH) in periods who had not. Constaining The rejust CH comparison whiles the exact degenetic of constant status and downshares material states and 24% of the constant states are stated as a state of the exact states and downshares.

With TAAD When And How Should The Distal Aorta Be Treated By TEVAR Before Repair Of The Ascending Aorta

Debate : Regarding the management and timing of aortic repair **General consencus :**

- Early reperfusion is critical for mesenteric malperfusion
- It is not clear whether initial central aortic repair or percutaneous and/or extraanatomic reperfusion best accomplishes that end



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cute type A dissection and malperfusion si



In 1994 U of Michigan concept Treat the malperfusion first with an endovascular approach followed by delayed open aortic repair_once the patients recovered from malperfusion syndrome

Deeb, Williams at al : ATS 1997

Endovascular Fenestration/Stenting First Followed by Delayed Open Aortic Repair for Acute Type A Aortic Dissection With Malperfusion Syndrome Editoria, two 2114 Brytow MD RD ¹ Cold Meth State MD		1996 to 2017 • The risk of dving from organ		
		failure was 6.6 times higher		
MD, Meinsj S, Khaja, MD Hornsby, PDD, Himanshi MD1 Beckground: Innealist States of patients absorb of patien	Immediate OR is the stra rupture for the majority of dissection However, relatively stabl patients with MPS benef endovascular reperfusion of organ failure.	tegy to prevent death from aortic patients with acute type A aortic le (no rupture, no tamponade) it from a staged approach: upfront followed by aortic OR at resolution		
Results: Overall, in-hospital 10.7%, P=0.001) in the si- fenestrationistenting, mortality risk of dying from organ failur ratio=8.83, 95% CI, 1.5–29, 270	motality improved between the 2 decades (21.0% versus accord decade, the patients with MPS initially treated with from actic rupper decreased form 16% to 4% (-24.0%), the versus 6.6 times higher than dying from actic ruppare (hazard A=0.01), and 50-day mortality after OR for MPS patients was too increatilities with the uption OR for every patient models, our	mortality from aortic rupture decreased from 16% to 4%		

Role of TEVAR-Petticoat concept: First line on acute Type I aortic dissection with visceral compromised

On admission

WBC 22.9, Hb 15gm/dl , creatinine 1.71 mg/gl, lactate 8.3 mmol/l
Aortic root (sinus of Valsalva) 4.4 cm , mild aortic regurgitation, no pericardial effusion

Due to suspected visceral malperfusion ,pt was taken to OR for TEVAR- Petticoat first line approach















strategy can be beneficial

Two main strategies : Endovascular fenestration and a TEVAR first approach
 Fenestration may also needs stenting, branch vessel thrombolysis, or suction thromboembolectomy to
 address the static components of malperfusion

