

IRAD

INTERNATIONAL
REGISTRY OF
ACUTE AORTIC
DISSECTION

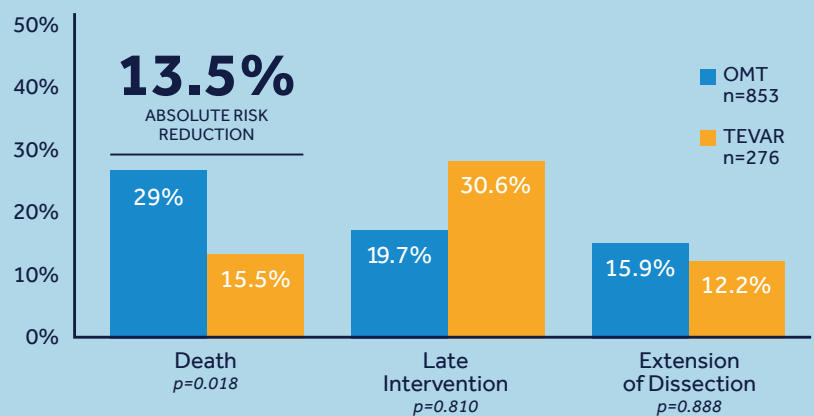
5-Year outcomes

TEVAR SIGNIFICANTLY REDUCES 5Y AORTIC DEATH RATE

vs. Medical Therapy in Acute Dissection in Independent Multinational Registry

Analysis suggests that uncomplicated Type B aortic dissection could become an indication for early elective endovascular stent grafting, if long-term follow-up and randomized studies support the preliminary data.

TEVAR Delivers Clinically Significant 13.5% Absolute Risk Reduction in Death vs. Medical Therapy: 5Y Long-Term Results



EVIDENCE HIGHLIGHTS

- TEVAR delivered a significant 13.5% absolute risk reduction in mortality vs. OMT
- OMT alone fails to enhance the aortic remodeling process, resulting in subsequent elective late aortic interventions
- The addition of TEVAR to OMT has now demonstrated positive clinical outcomes in both acute Type B dissection (IRAD) as well as early stable Type B dissection (INSTEAD-XL) vs. OMT alone

Source: Nienaber, C. et. al. *Circ Cardiovasc Inter.* 2013 Aug; 6(4):407-16

TEVAR PROVIDES CLINICALLY SIGNIFICANT BENEFITS VS. MEDICAL THERAPY IN ACUTE DISSECTION

TEVAR Patients: Significant Complications and Increased Risk Profile 61.7% of TEVAR+OMT cases were "complicated"

Signs of Malperfusion	OMT	TEVAR	p-value
Pulse deficit	13.4	28.3	<0.001
Leg pain	8.4	21.7	<0.001
Limb ischemia	4.8	20.6	<0.001
PreOp acute renal failure	12.4	21.4	<0.001
Complicated dissection*	37.2	61.7	<0.001

*Presence of shock, periaortic hematoma, malperfusion, stroke, SCI, mesenteric ischemia or infarction, and/or acute renal failure

STUDY DESIGN

- The International Registry of Acute Aortic Dissections (IRAD) is an independent consortium of 24 centers in 12 countries that evaluate the management and outcomes of acute aortic dissection
- N=1129 consecutive patients with Type B aortic dissection enrolled in IRAD between 1995–2012. Treatment dispensed based on physician discretion

Source: *J Am Coll Cardiol Intv* 2013; 6:876-82

Medtronic

Invatec S.p.A.
Via Martiri della Libertà 7
25030 Roncadelle (BS)
Italy
Tel: +39.030.2589311

Medtronic
710 Medtronic Parkway NE
Minneapolis, MN 55432
USA
Tel: +1.763.514.4000

Medtronic International Trading Sàrl
Route du Molliou 31
CH-1131 Tolothenaz
Switzerland
Tel: +41.21.802.7000

Medtronic of Canada Ltd.
99 Hereford Street
Brampton, Ontario L6Y 0R3
Canada
Tel: +1.905.460.3800

Medtronic Latin America
3750 NW 87th Avenue, Suite 700
Miami, FL 33178
USA
Tel: +1.786.709.4200

Medtronic International Ltd.
49 Changi South Avenue 2
Singapore 486056
Tel: +65.6436.5000

Medtronic Australasia Pty Ltd.
97 Waterloo Road
North Ryde, NSW 2113
Australia
Tel: +61.29857.9000

Medtronic New Zealand
Unit N16, Mezzanine Level 5
Gloucester Park Road
Onehunga
Auckland
New Zealand

Medtronic Korea Co., Ltd.
5F, Sajo Building
1001 Daechi-dong, Kangnam-ku
Seoul, 135-280
Korea
Tel: +82.2.3404.3600

Medtronic META FZ-LLC
Office Park, Block D, 2nd Floor
PO Box 500638
Dubai Internet City | Dubai,
United Arab Emirates
Tel: +971.4.818.2666

medtronic.com/aortic