

Totally Endoscopic Triple Heart Valve Surgery

Case Series: Feasibility and Short Term Results

PRESENTER:
Zoni Daniele M.D.
*Division of Cardiac Surgery,
S.Bortolo Hospital – Vicenza (Italy)*

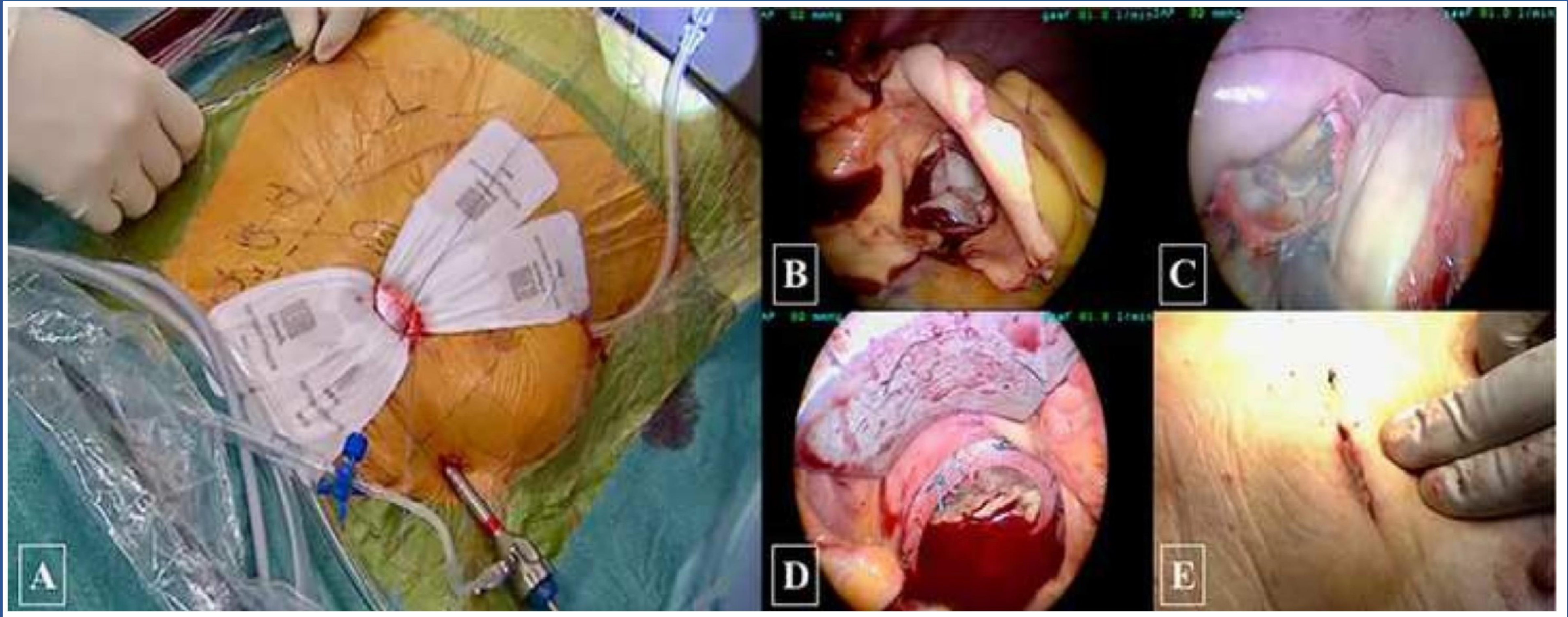
- BACKGROUND**
- Totally endoscopic heart valve surgery is increasingly widespread.
 - Combined aortic, mitral, tricuspid with endoscopic or robotic set up is little reported in literature
 - Aim: the procedure is feasible through the same working port and with satisfactory short term results

- METHODS**
- March 2014 – December 2023
 - 540 totally endoscopic aortic valve procedures patients without specific preoperative selection
 - 25 cases of aortic, mitral and tricuspid procedure



Aortic, mitral and tricuspid valve can be treated simultaneously through the same access with a totally endoscopic approach.

Results are satisfactory

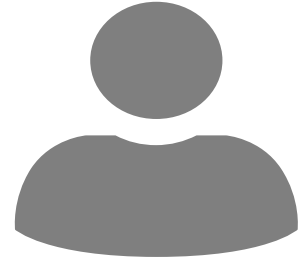


SCAN ME



Take a picture to download the poster

RESULTS	
Variables (Patients total: 25)	Results
Age, mean (st.deviation)	68(12)
EuroScore II, median and IQR	3.6[2.6 - 6.1]
Cardio-Pulmonary Bypass Time, mean (st.deviation)	219(56)
Cross-Clamp Time, mean (st.deviation)	145(33)
Orotracheal Intubation Time (hours), median and IQR	13[6 - 57]
Intensive Care Unit Time (hours), median and IQR	69[34 - 106]
In-Hospital stay (days), median and IQR	6[5 - 9]
Variables (Patients total: 25)	NumbersPercentages (%)
Conversion to full sternotomy	0(0)
Transfusion Need	15(60)
Surgical Revision	3(12)
Acute Kidney Injury	2(8)
Vascular Complication	0(0)
New Onset of Atrial Fibrillation	5(20)
Peri-operative Myocardial Infarction	1(4)
New Permanent Pace-Maker implantation	1(4)
Stroke	1(4)
30-day mortality	0(0)



Zoni Daniele M.D., Cresce Giovanni
Domenico M.D., Benvegnù Luciana M.D.,
Poddi Salvatore M.D., Sanesi Valerio M.D.,
Tropea Ilaria M.D., Salvador Loris M.D.