

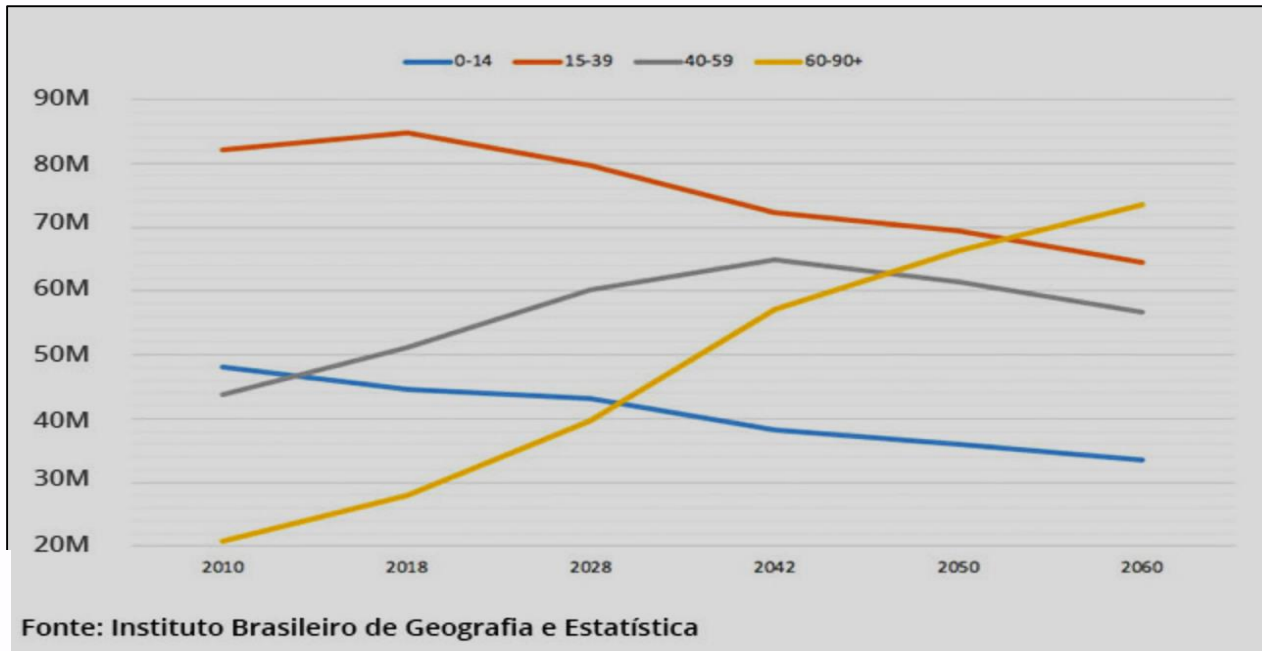
Iniciativas de adequação do Sistema Único de Saúde (SUS), como o Programa de Qualidade na Cardiologia (QualiSUS Cardio), para a melhoria do atendimento à população idosa

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 - Prof. Livre Docente pela Faculdade de Medicina da Universidade de São Paulo (USP)
- Ex-Presidente da Sociedade Brasileira (SBHCI) e Latino-americana de Cardiologia Intervencionista (SOLACI)

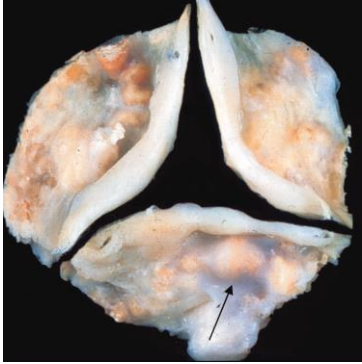
POPULAÇÃO IDOSA ≥ 60 anos

CRESCIMENTO

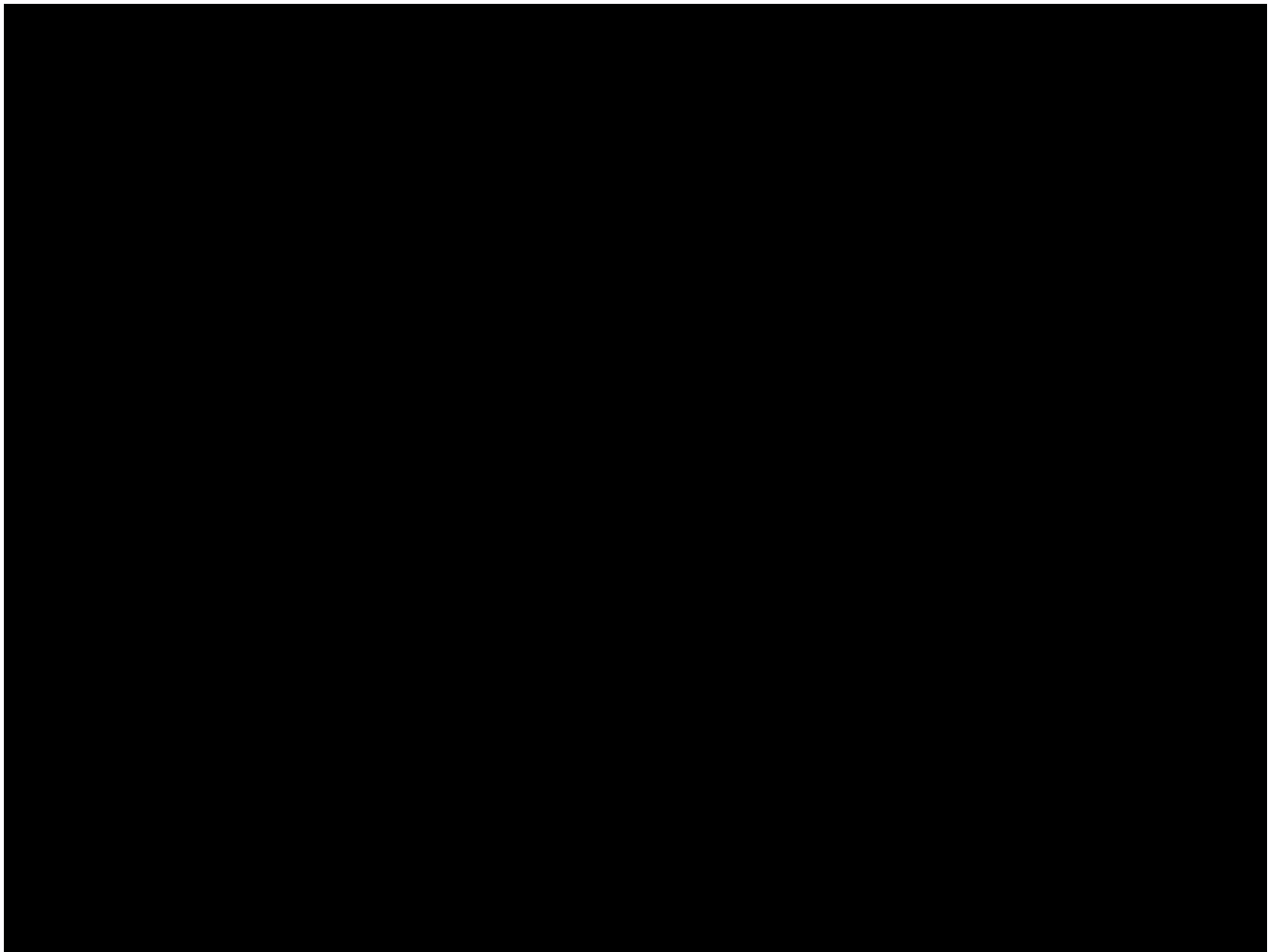


Estenose Aórtica Degenerativa

Epidemiologia



- Valvopatia + comum no adulto
- Acomete até 2% da população > 65 anos
 - Idade \geq 75 anos – 5%
- Mortalidade Cirúrgica varia de 5 a 15%
- Sociedade Europeia de Cardiologia – 1/3 não apresenta condições cirúrgicas

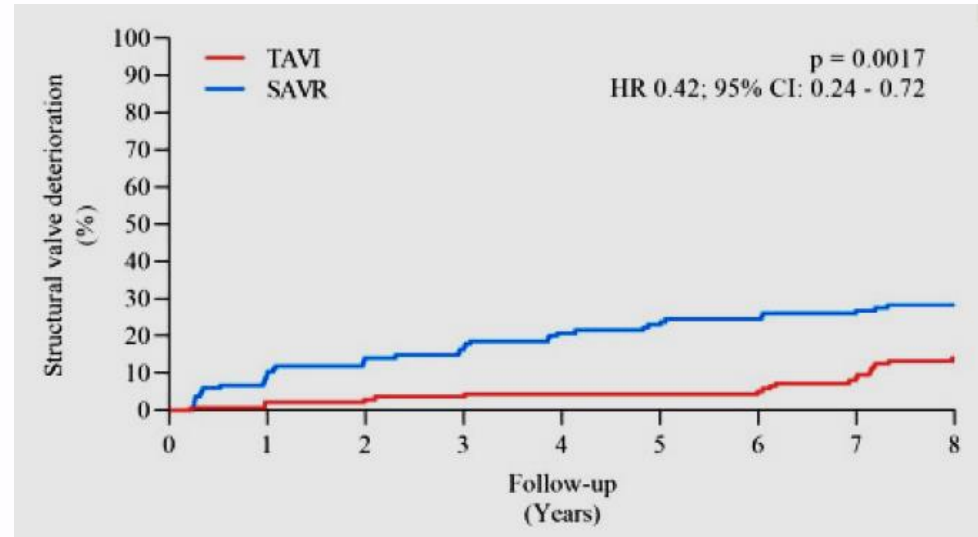
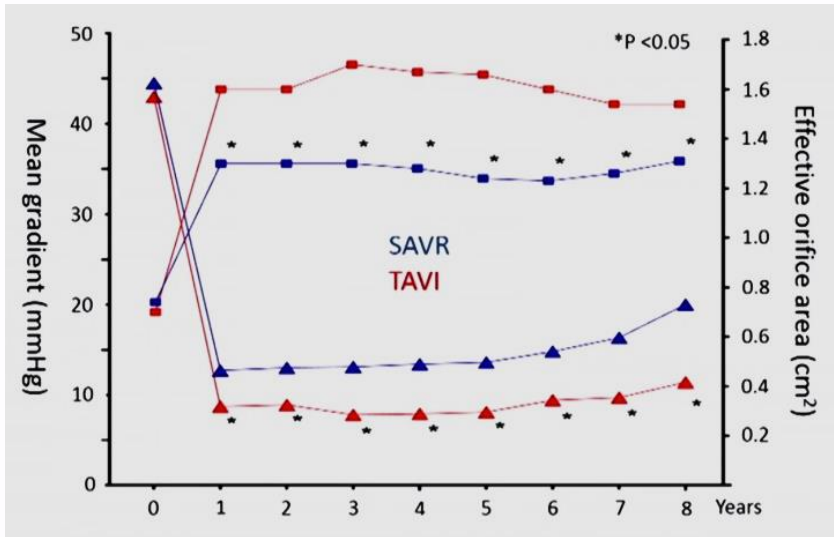




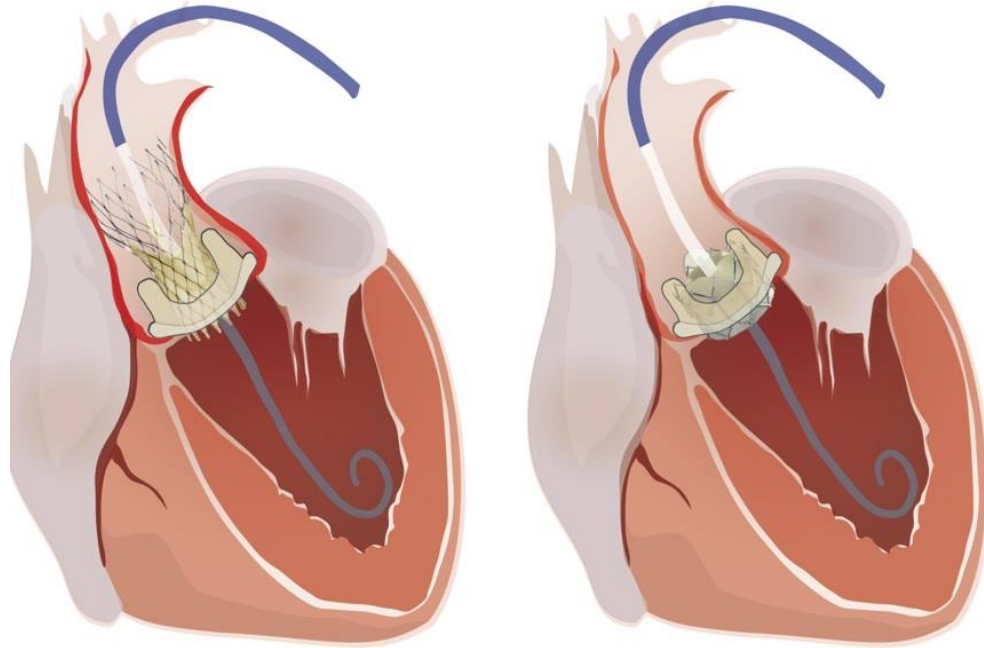
NOTION TRIAL

Resultados 8 anos

- Gradiente médio ≥ 20 mmHg ou
- Elevação do gradiente médio ≥ 10 mmHg comparado ao observado pós procedimento ou
- Regurgitação aórtica moderada/grave intraprótese (nova ou piora com relação ao final do procedimento)

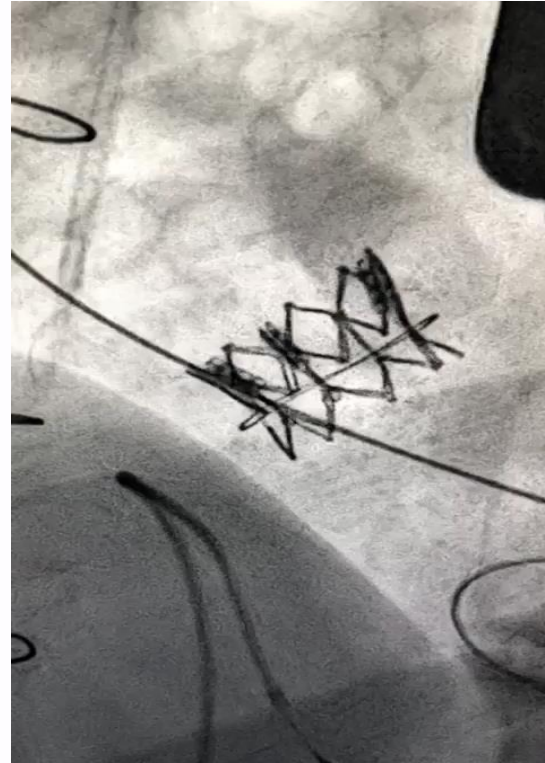
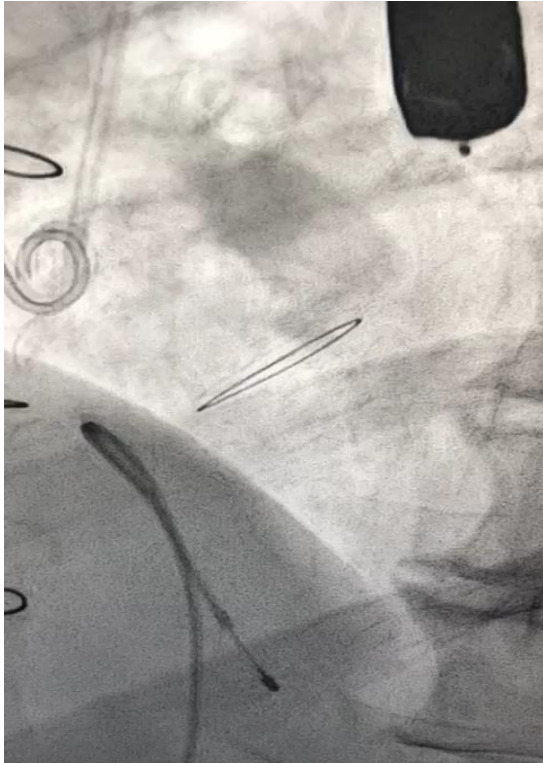


Valve-in-Valve: a less invasive approach for failed bioprostheses



Valve-in-Valve

Disfunção de Prótese Cirúrgica



**TAVI
Minimalista**

Técnica

Sedação Consciente

Sem Necessidade de Intubação Orotraqueal

Ecocardiograma Transtorácico

Somente Acesso Femoral - Sem Punção Jugular

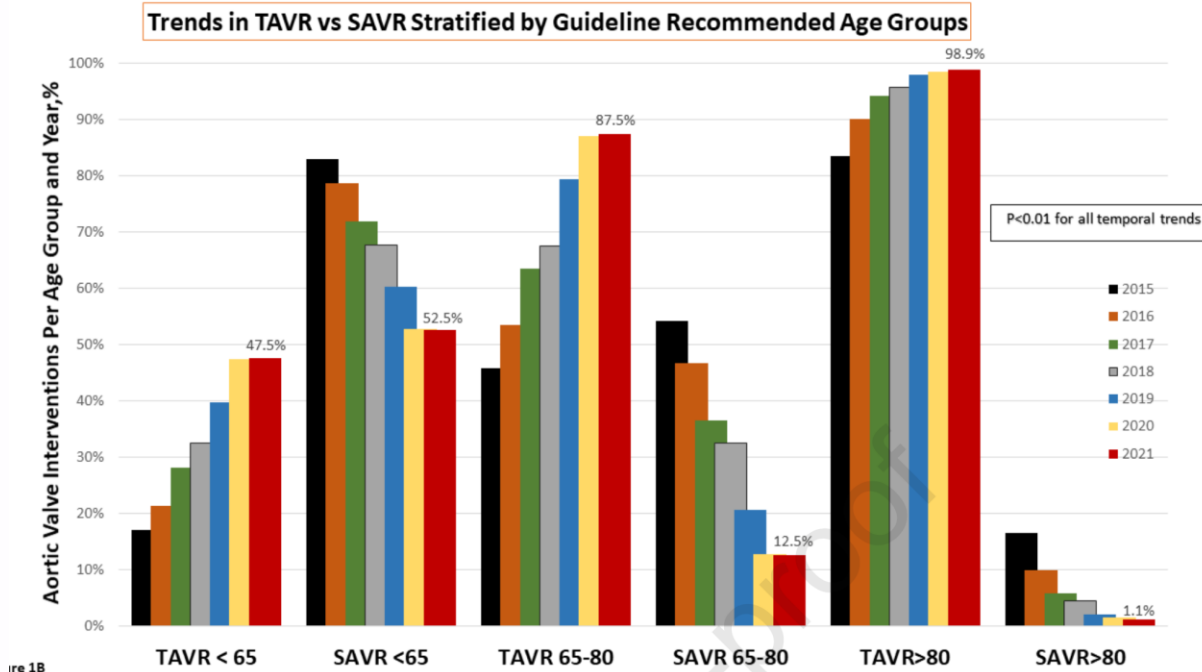
Sem Sondagem Vesical

Evitar Internação em UTI

TAVI

Evolução Temporal

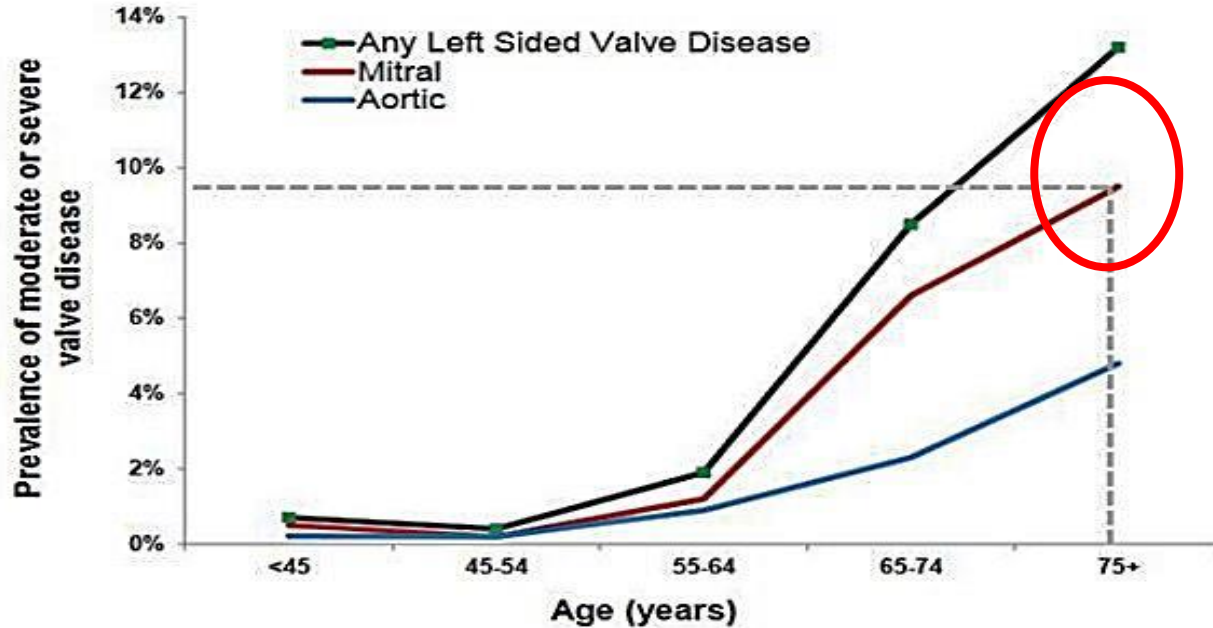
Vizient Clinical Data Base - USA n = 142.953 800 Centros



ire 18

Doença Valvar

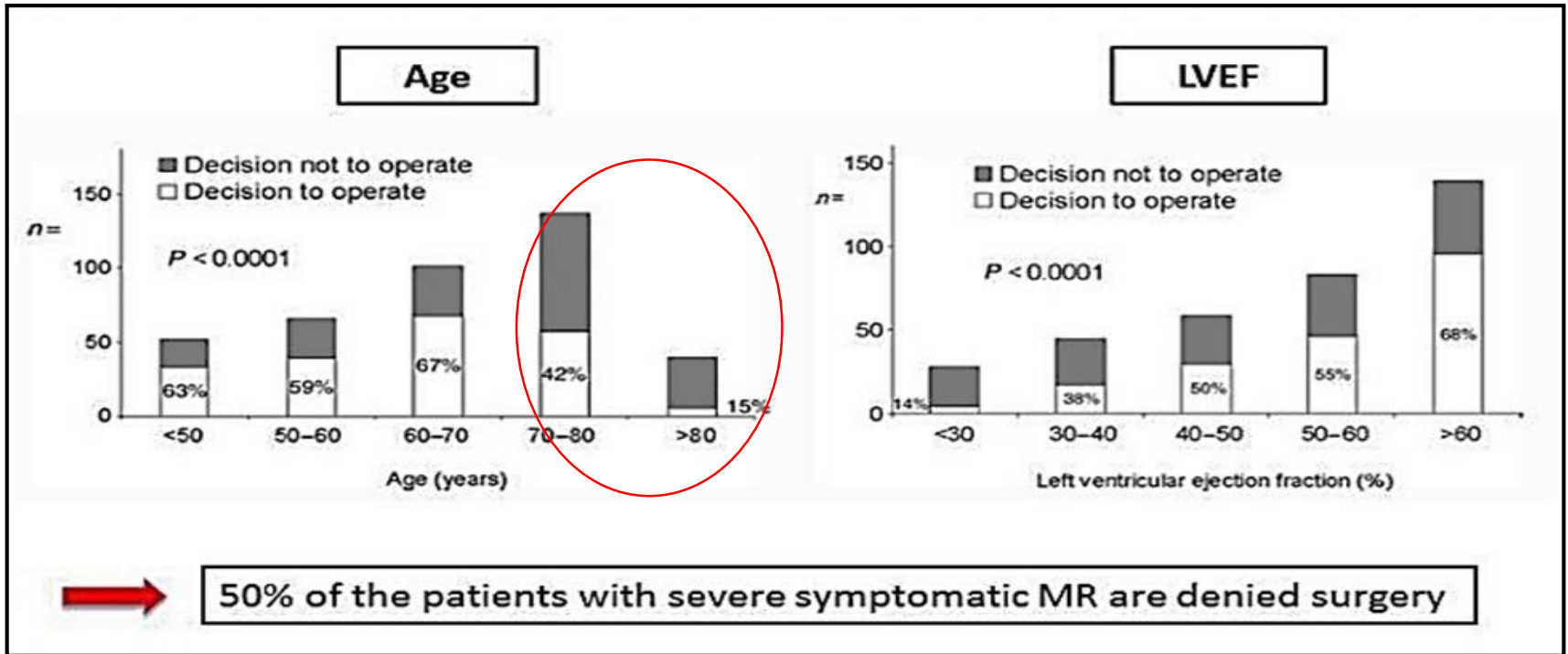
Insuficiência Mitral



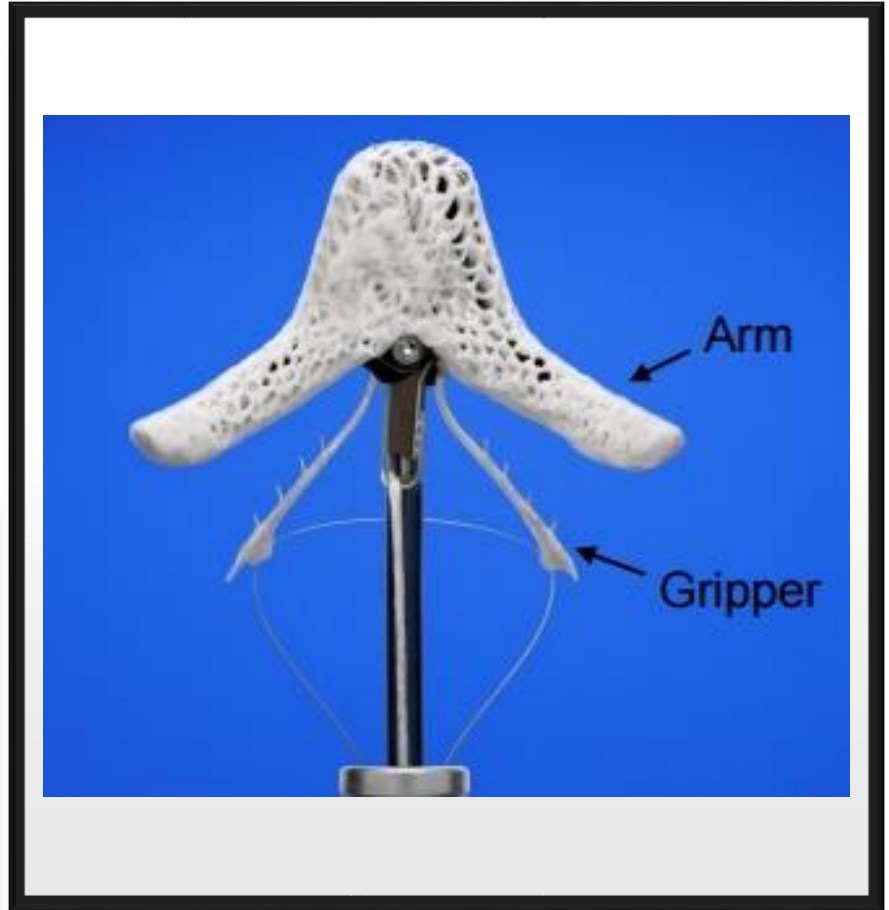
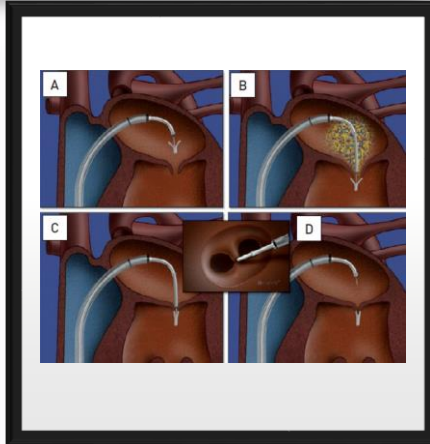
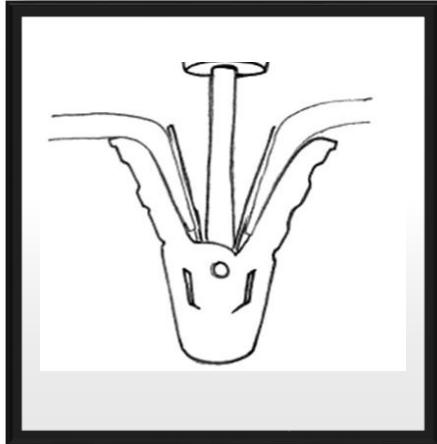
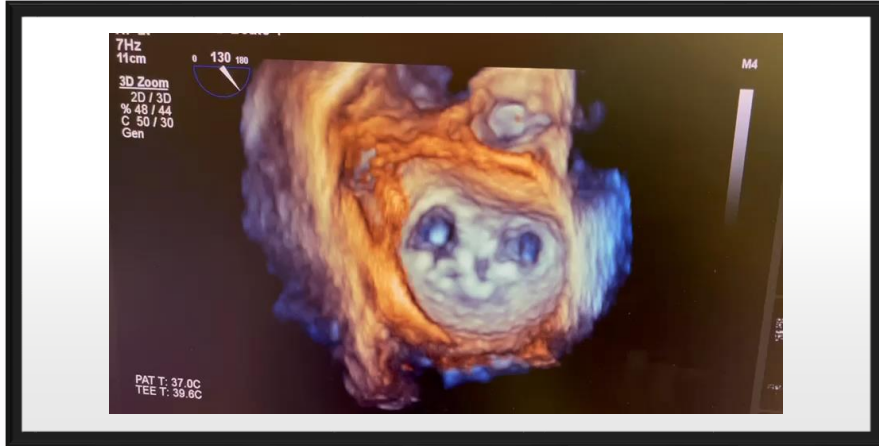
Mitral regurgitation (MR) affects almost 10% of the population aged 75 and over

European Heart Survey

Insuficiência Mitral Sintomática



MitraClip - Características



Etiology and pathophysiology of DMR and FMR

37%

Degenerative mitral regurgitation (DMR)¹



Leaflet perforation cleft



Mitral valve prolapse



Rheumatic valve disease, Mitral annular calcification

Leaflet dysfunction or prolapse:

- Papillary muscle rupture
- Rupture / elongation of chordae
- Leaflet malformation/injury

1. Bach DS, *J Am Coll Cardiol.* 2009;54(9):860-865;

2. El Sabbagh, *JACC Cardiovasc Imaging.* 2018;11(4):628-643

63%

Functional mitral regurgitation (FMR)¹



Arterial hypertension, atrial MR, chronic atrial fibrillation, HFpEF

LA dysfunction



Nonischemic cardiomyopathy



Ischemic cardiomyopathy

LV dysfunction

Reduction of leaflet coaptation:

- Annular dilation
- Papillary muscle displacement leads to tenting or tethering of leaflets

MitraClip

Evolução Tecnológica



G4 NT

G4 NTW

G4 XT

G4 XTW

WIDER CLIP ARMS, 4 CLIP SIZES

Provide increased coaptation area with wider Clip options

CONTROLLED GRASPING ACTUATION

Ability to simultaneously as well as optimize individual leaflet grasping

CONTINUOUS LAP MONITORING

Integrated left atrial pressure monitoring capability in the SGC

DELIVERY SYSTEM DESIGNED FOR THE MITRAL VALVE

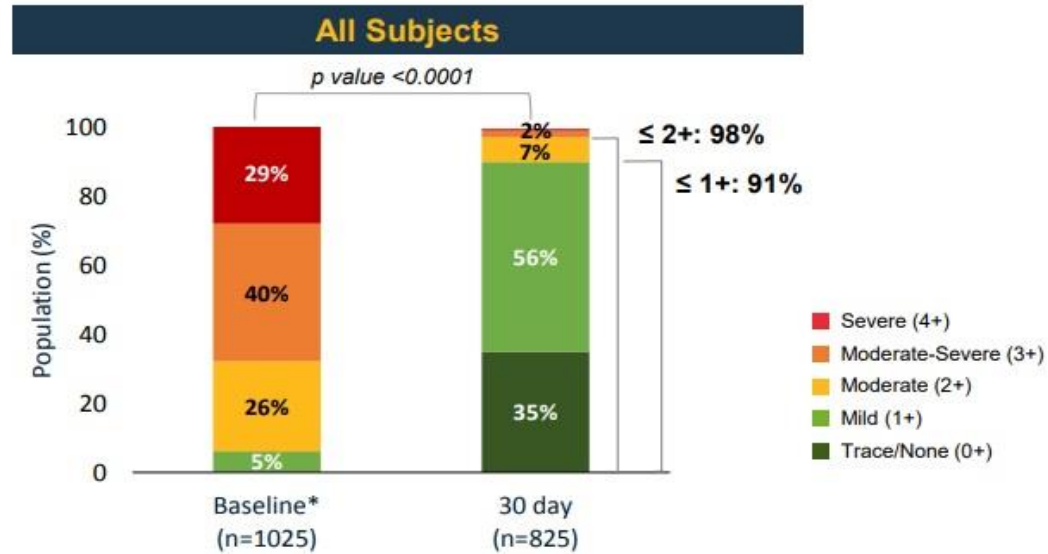
Precise and predictable steering specifically for the mitral valve

EXPAND G4

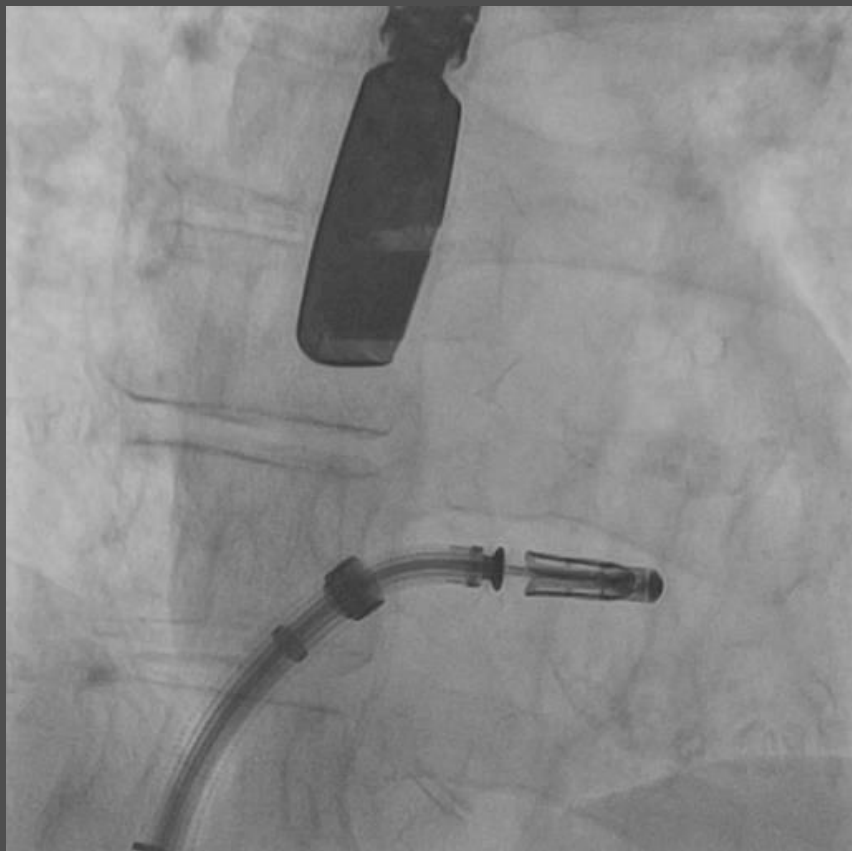
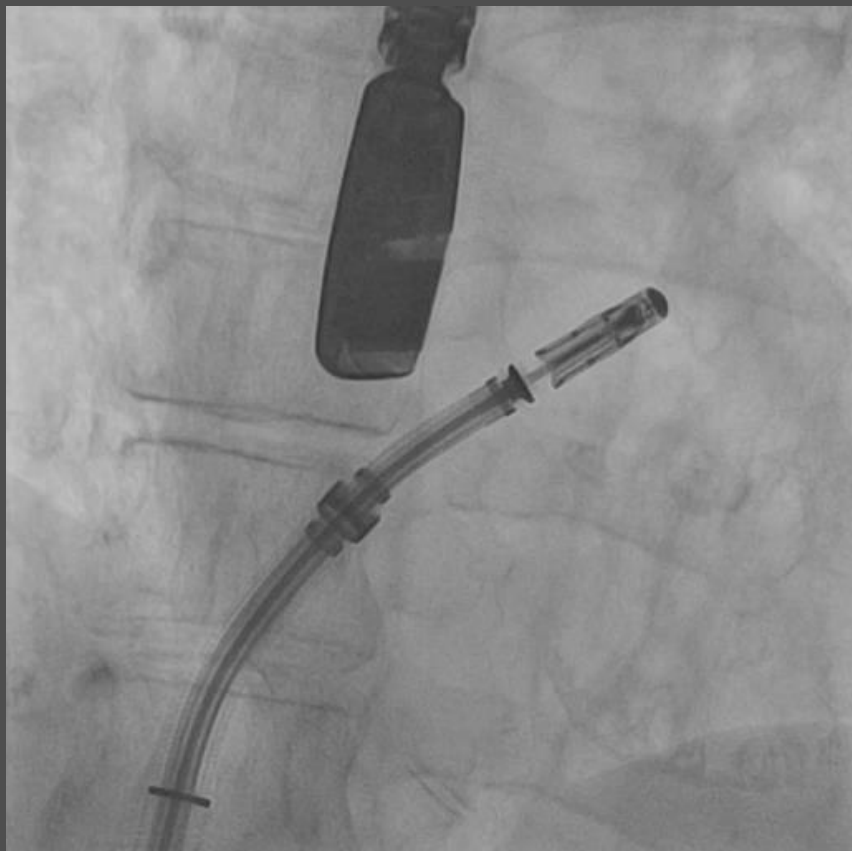
Resultados

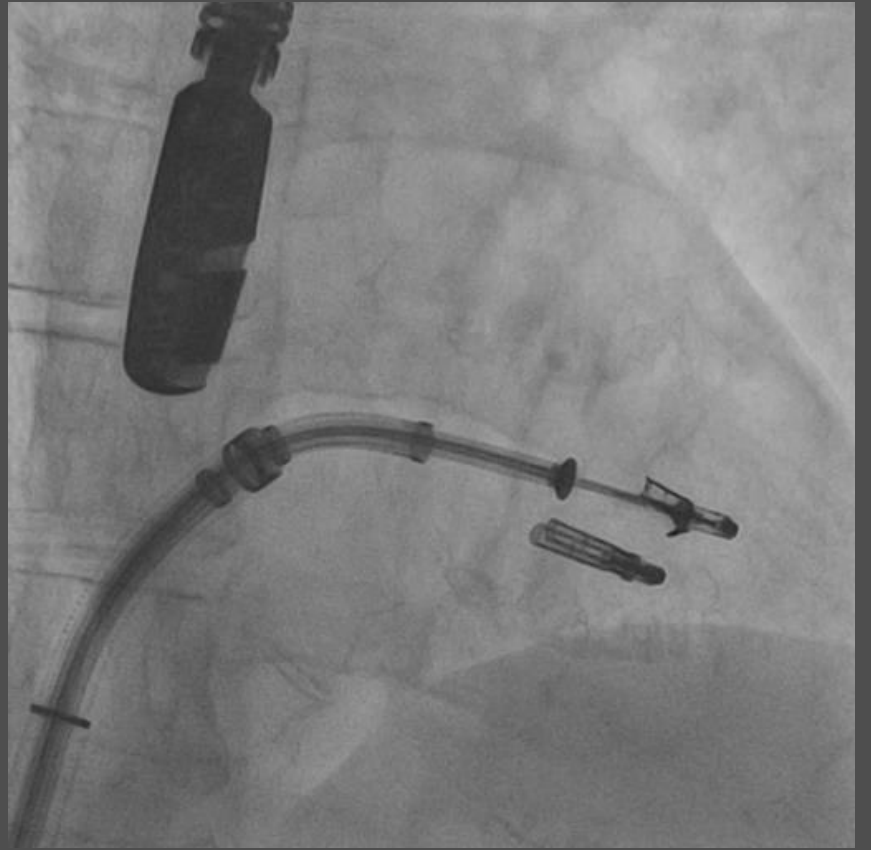
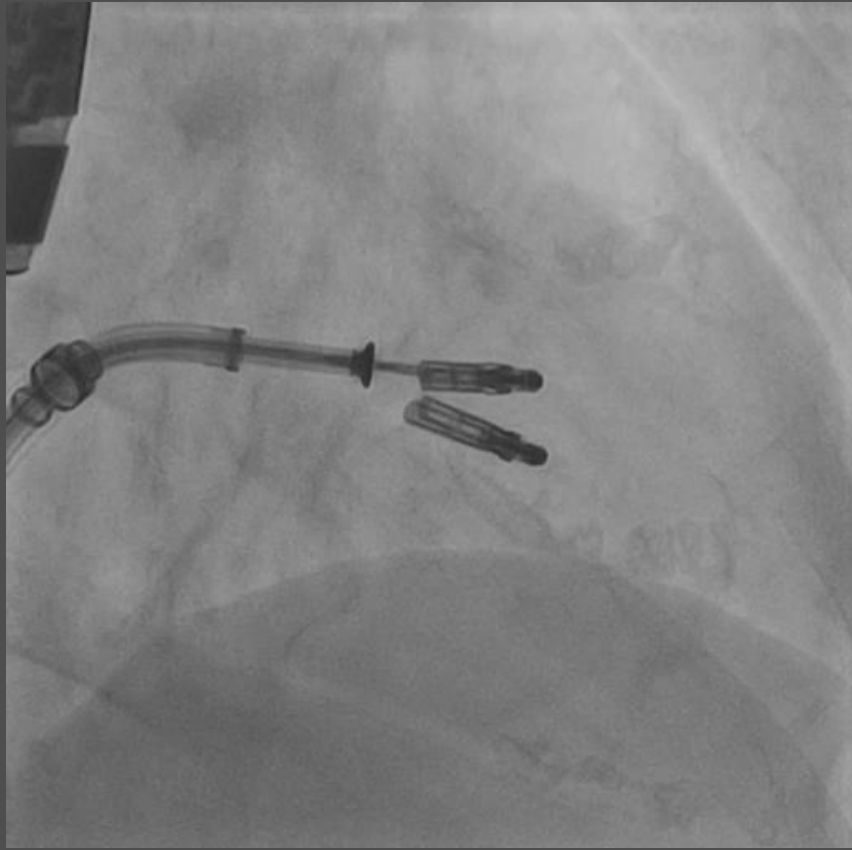
Significant MR Reduction per ECL

N = 1.141



91% of subjects achieved MR ≤ 1+ and 98% had MR ≤ 2+ at 30 days



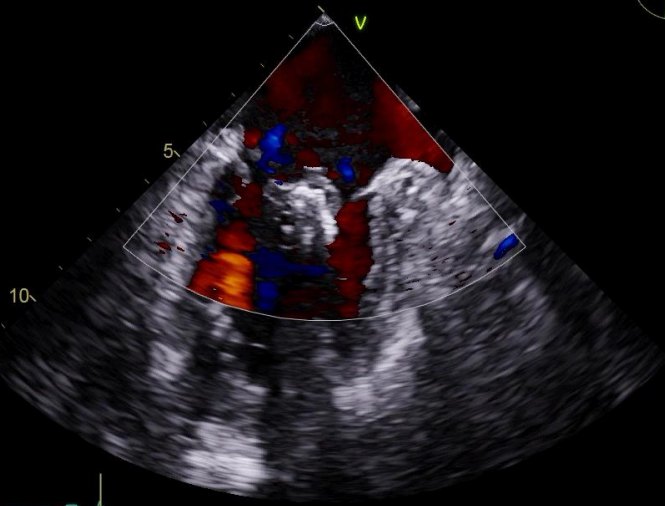
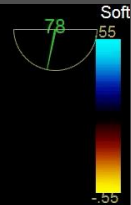


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92
HR

Trends in Transcatheter vs Surgical Mitral Valve - USA Repair Among Medicare Beneficiaries, 2012 to 2019

