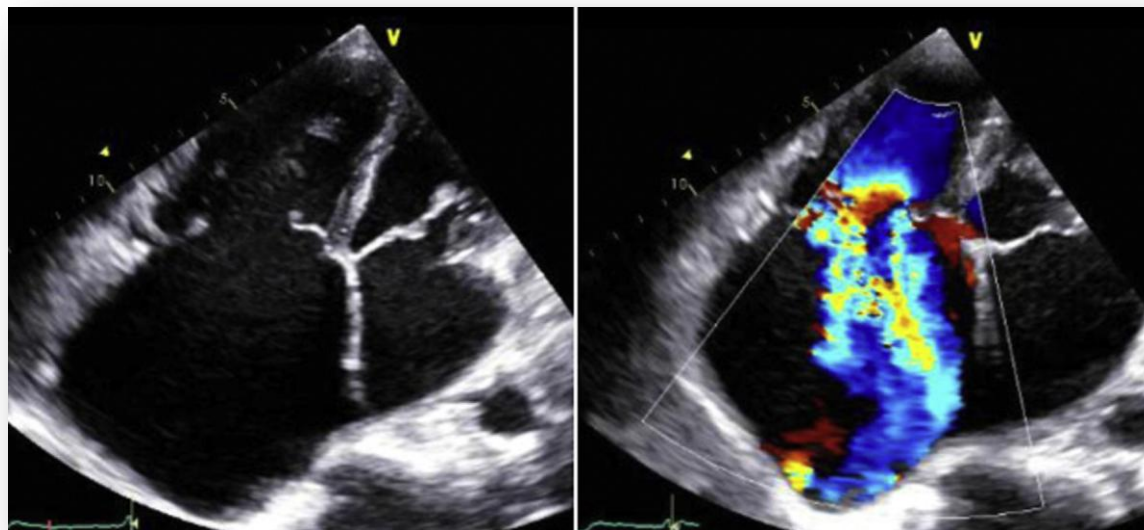
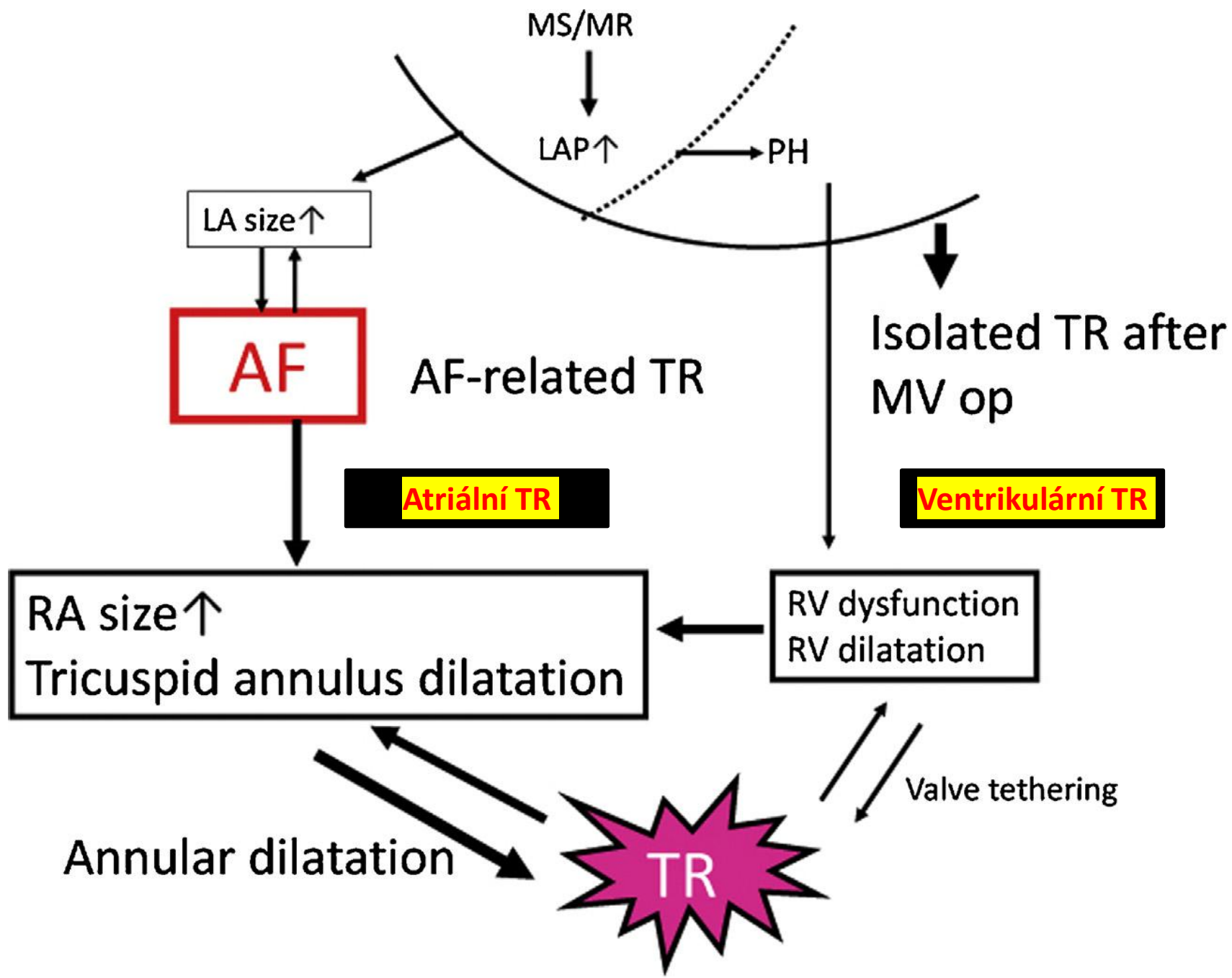


Izolovaná trikuspidální regurgitace: Pohled kardiochirurga?

Jan Vojáček

Kardiochirurgická klinika LF a FN v Hradci Králové





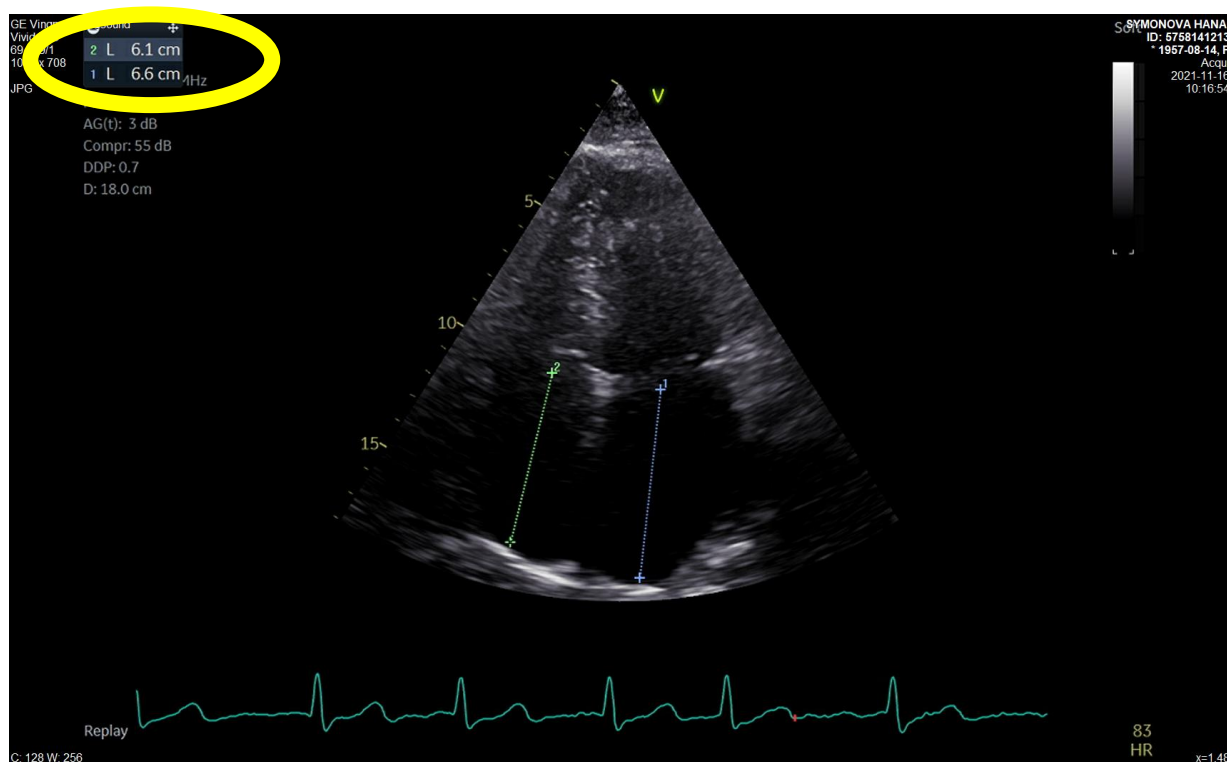
Operační program - COS:

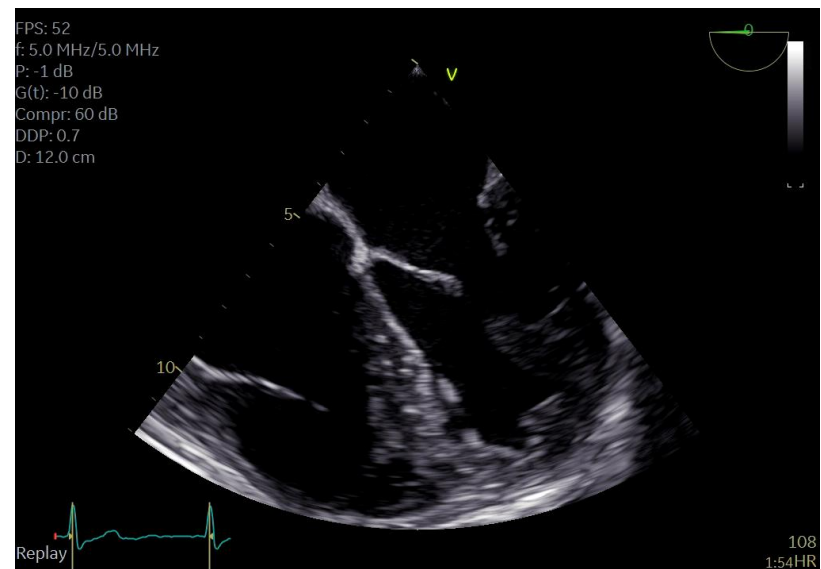
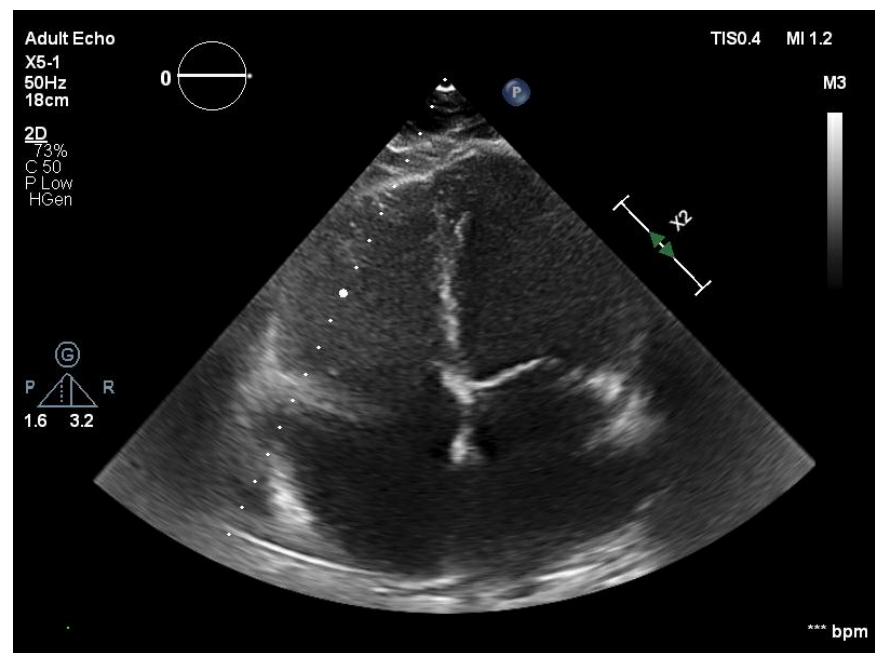
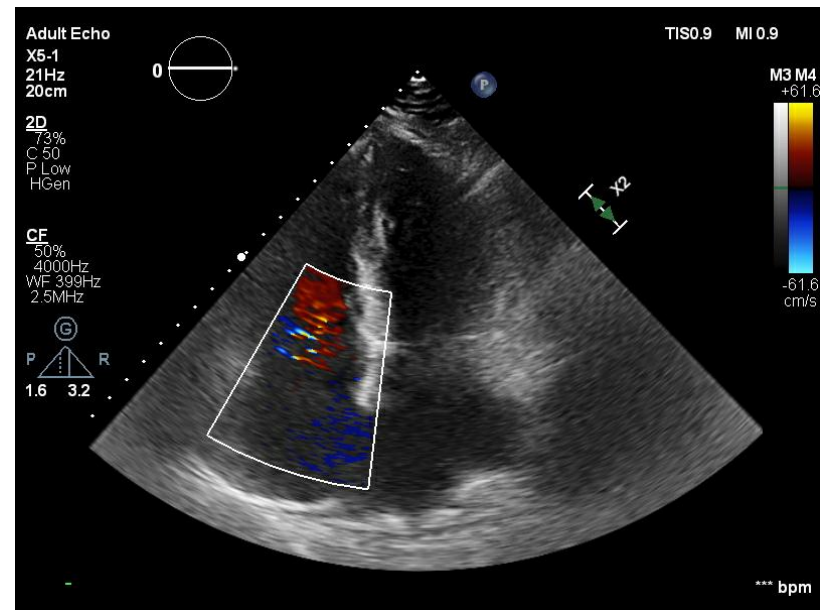
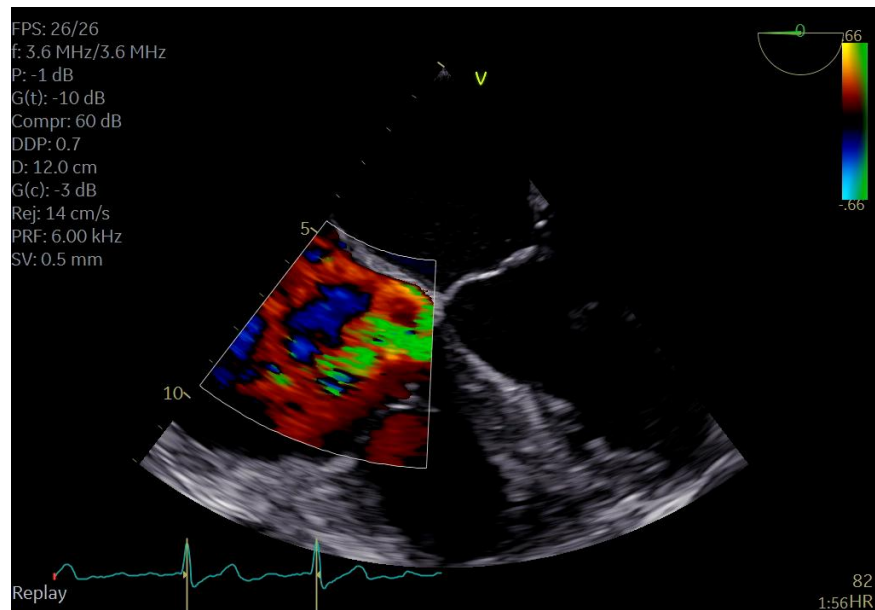
5/8 G	??	1957	CA	S	záda	JIP 3	Tri vada + jiné	TVP, ev. MAZE + uzávěr ouška LS
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Žena, 65 let
TR 4st, NYHA II.st
Perzistující FiS (2018)

EF LK 60%
bez ICHS
Bez postižení chlopní levého srdce

Bez PH
AH, DM
Trik.anulus: 46



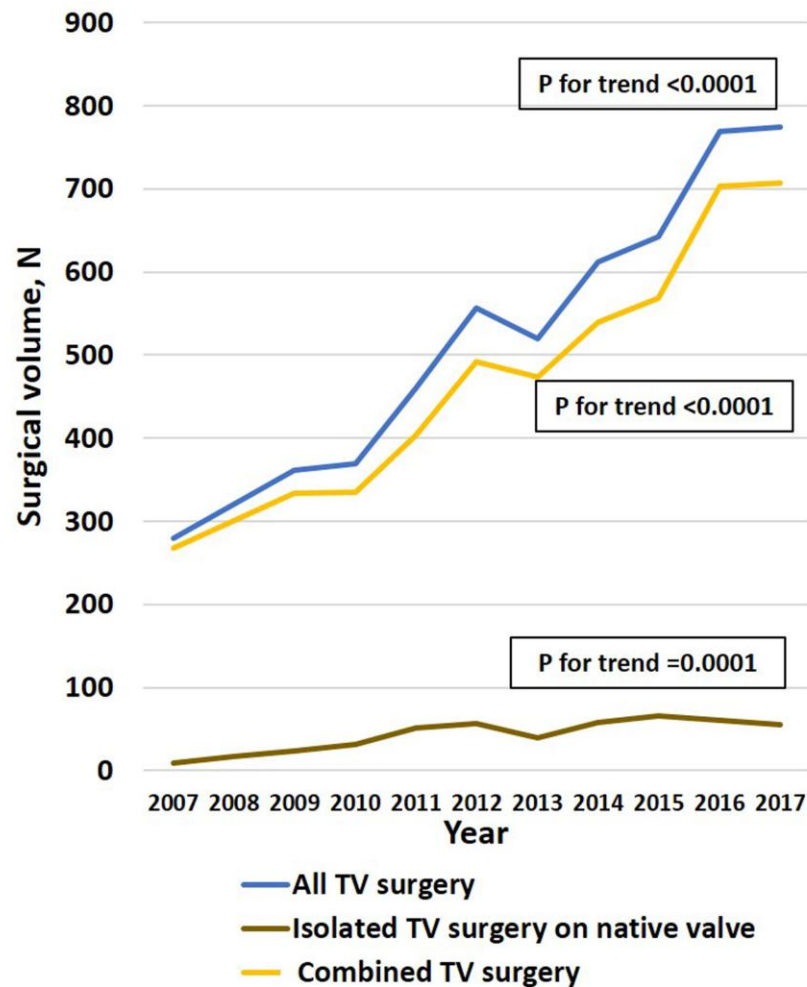


TVP, cryoMAZE, uzávěr ouška LS



5611 pacientů z 12 francouzských center

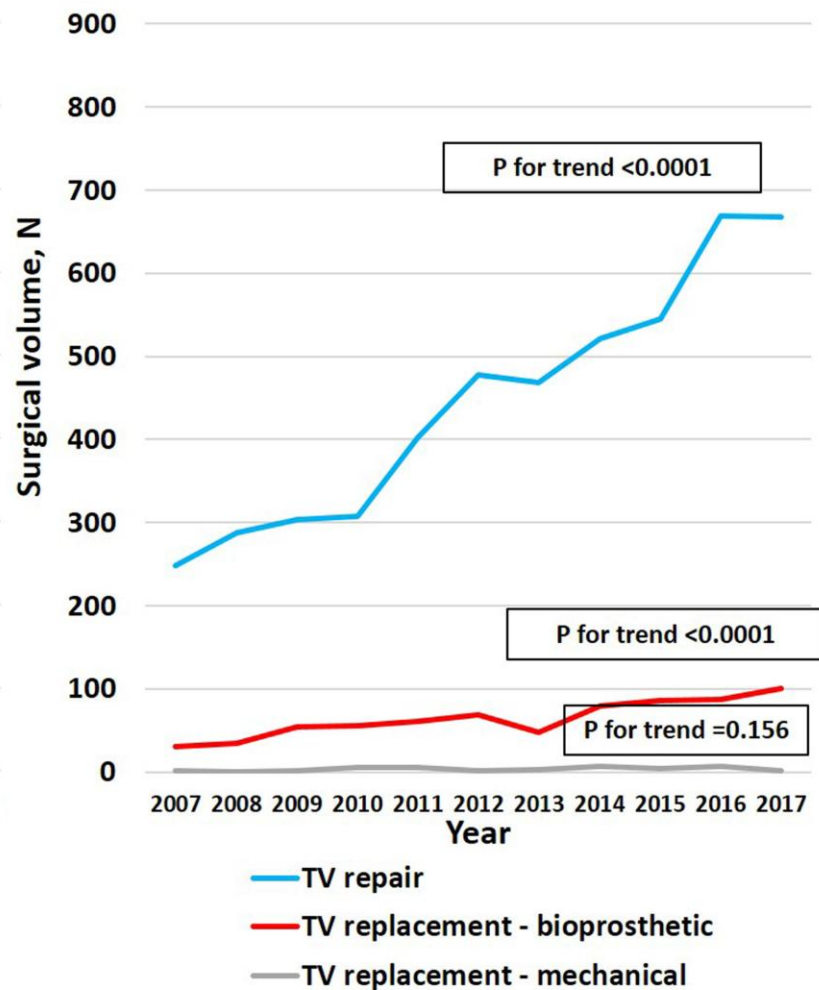
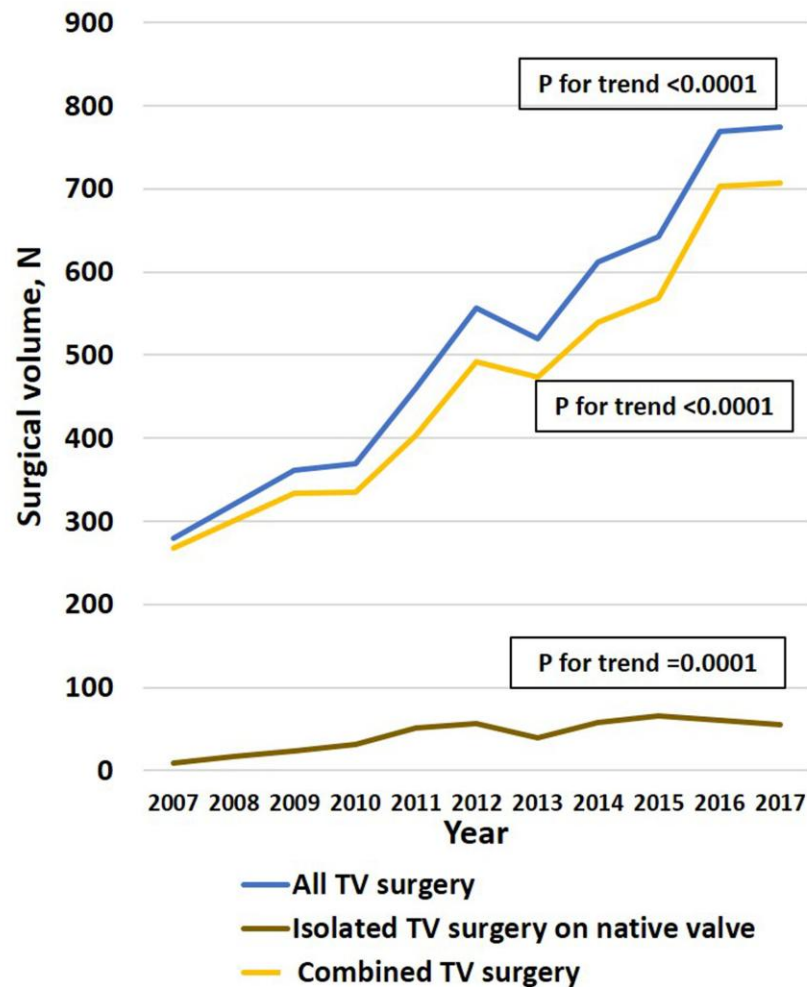
2007 - 2017



Dreyfus J. Isolated tricuspid valve surgery: impact of aetiology and clinical presentation on outcomes. Eur Heart J. 2020 Dec 1;41(45):4304-4317

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Kardiochirurgická klinika LF a FN, Hradec Králové 2020 - 2022

	2020		2021		2022	
	N	Mortalita	N	Mortalita	N	Mortalita
TVP/TVR (concomitant)	61	1 (1,6%)	55	2 (3,63%)	71	1 (1,41 %)
TVP/TVR isolated)	0	0 (0%)	1	0 (0%)	3	0 (0%)



ESC

European Society
of Cardiology

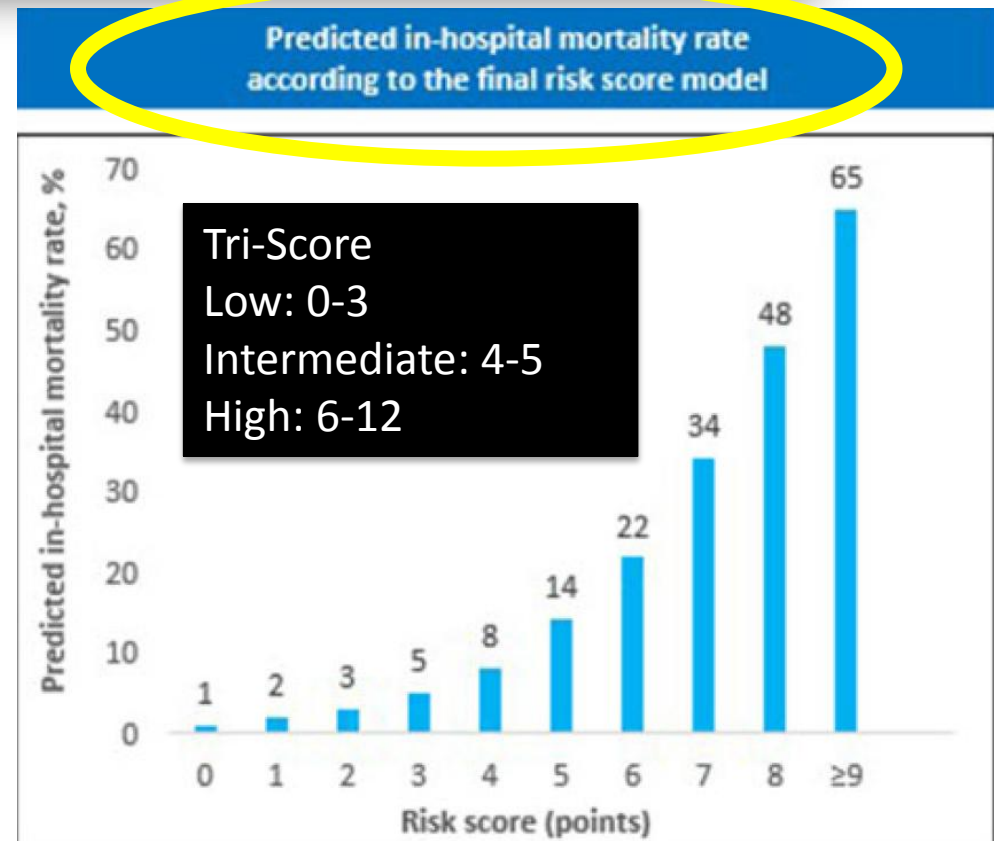
European Heart Journal (2022) 43, 654–662
<https://doi.org/10.1093/eurheartj/ehab679>

CLINICAL RESEARCH

Valvular heart disease

TRI-SCORE: a new risk score for in-hospital mortality prediction after isolated tricuspid valve surgery

Risk factors and scoring system for in-hospital mortality after isolated tricuspid valve surgery	
Risk factors (final model from multivariate analysis)	Scoring
Age ≥ 70 years	1
NYHA functional class III-IV	1
Right-sided heart failure signs	2
Daily dose of furosemide ≥ 125mg	2
Glomerular filtration rate < 30 ml/min	2
Elevated total bilirubin	2
Left ventricular ejection fraction < 60%	1
Moderate/severe right ventricular dysfunction	1
Total	12



TRI-SCORE and benefit of intervention in patients with severe tricuspid regurgitation ^{FREE}

Julien Dreyfus, MD, PhD ✉, Xavier Galloo, MD, Maurizio Taramasso, MD, PhD, Gregor Heitzinger, MD, Giovanni Benfari, MD, PhD, Karl-Patrick Kresoja, MD,

EHJ 2023

TRIGISTRY: multicenter registry (33 centers - 10 countries)
2,413 patients with severe isolated functional tricuspid regurgitation

Comparison of the survival rates at 2 years between the different treatment modalities according to the TRI-SCORE category (low, intermediate and high).

1217 patients conservatively managed

551 underwent an isolated tricuspid valve surgery

645 underwent a transcatheter valve repair

LOW TRI-SCORE (<3)

INTERMEDIATE TRI-SCORE (4-5)

HIGH TRI-SCORE (≥6)

TRI-SCORE and benefit of intervention in patients with severe tricuspid regurgitation ^{FREE}

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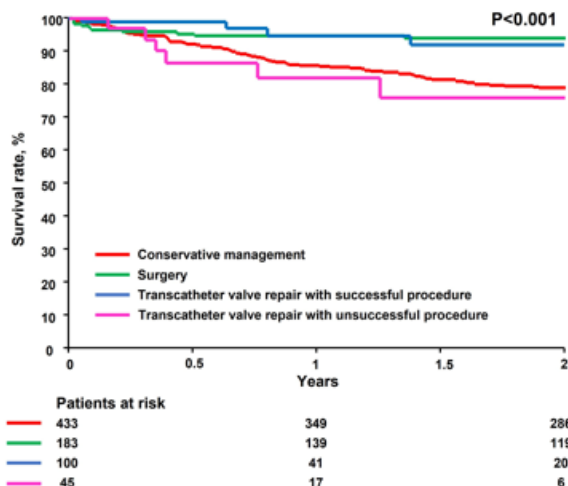
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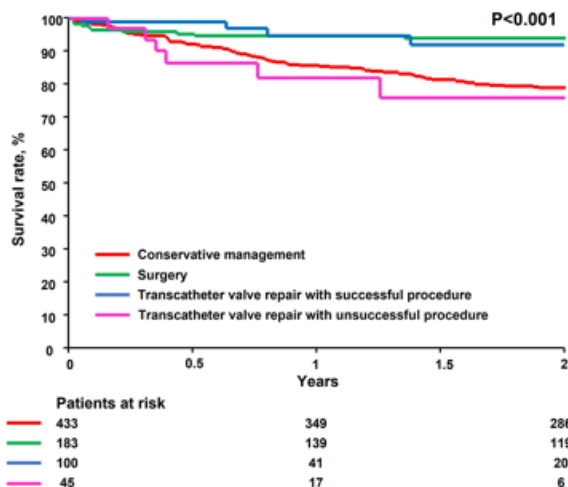
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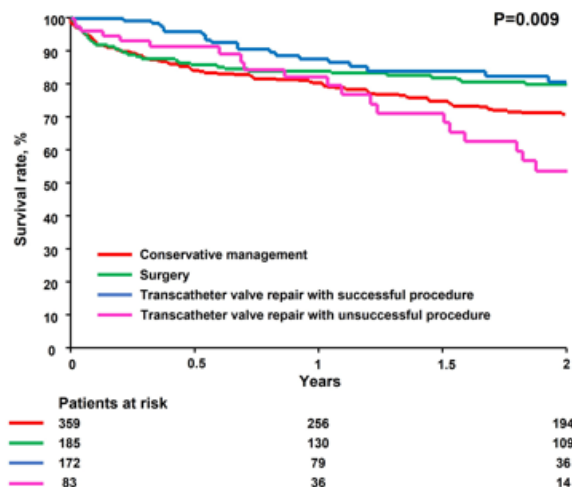
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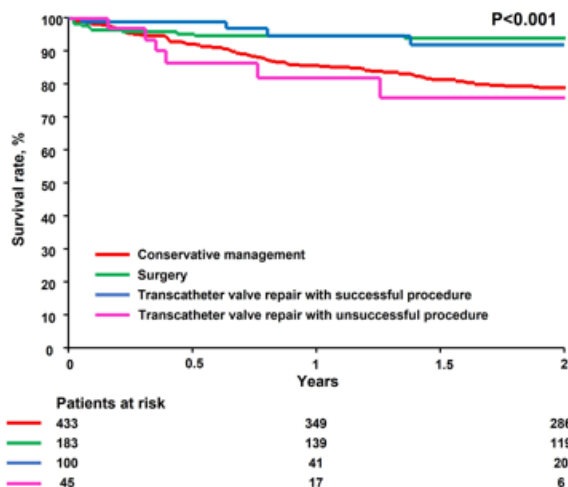
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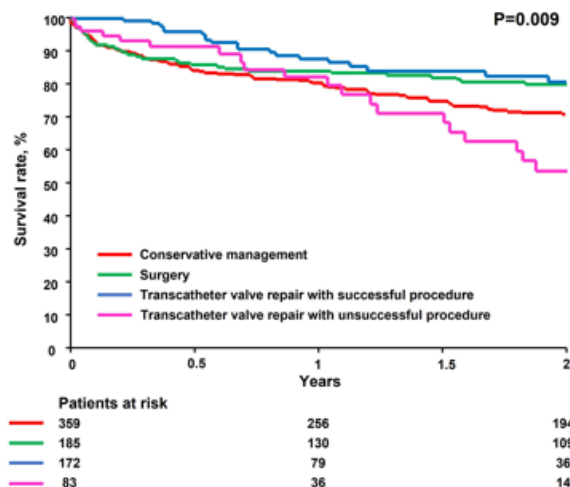
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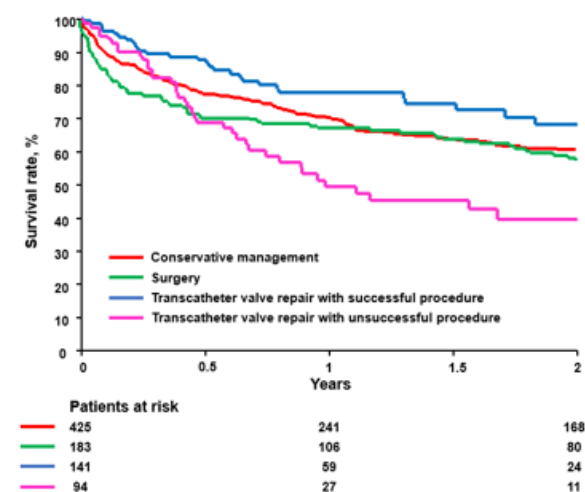
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Moody Makar, M.D., George Zorn, M.D., Erin M. Spinner, Ph.D., Phillip M. Trusty, Ph.D., Raymond Benza, M.D.,
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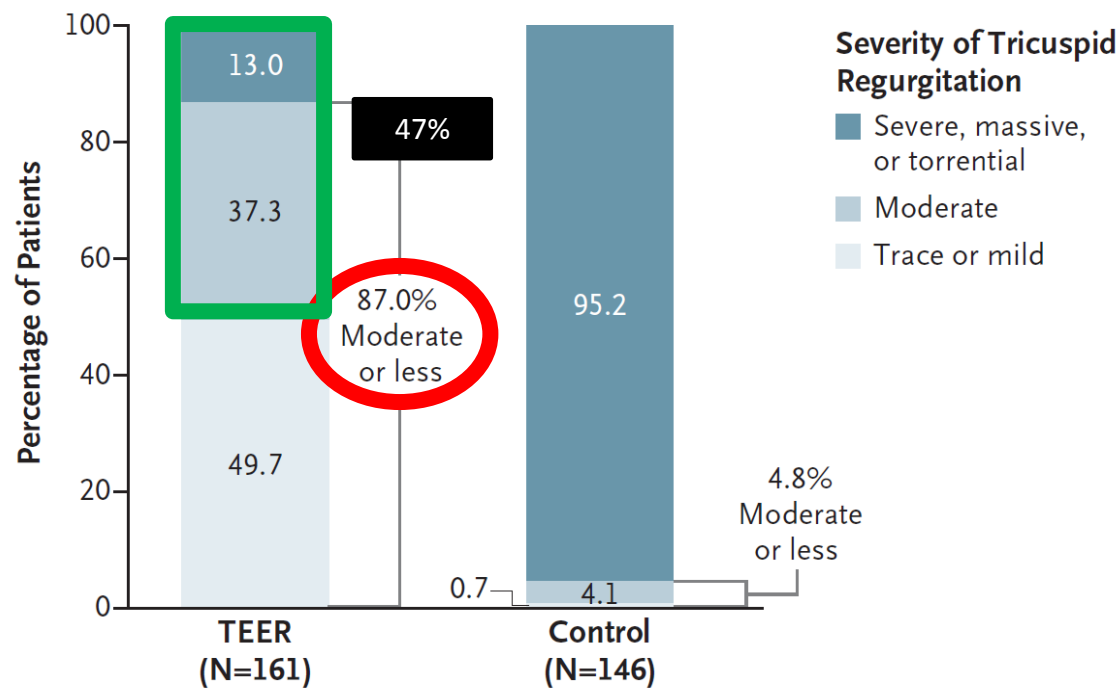


Figure 3. Severity of Tricuspid Regurgitation at 30 Days.

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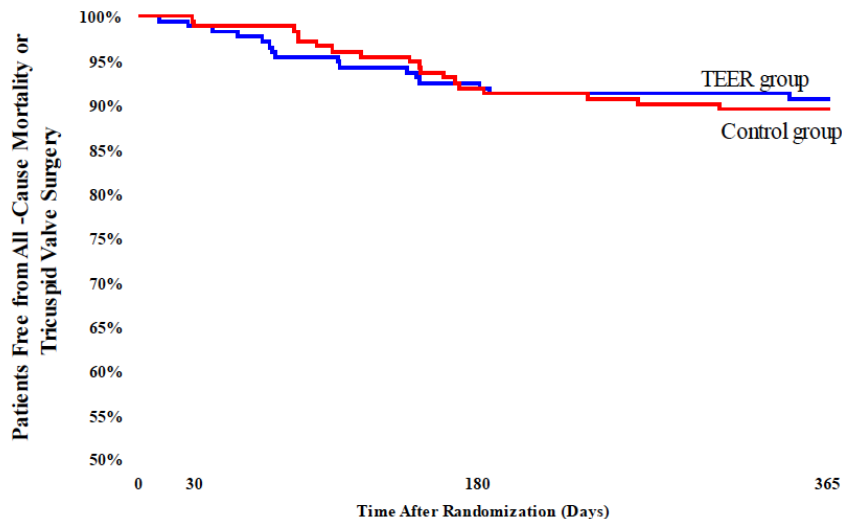
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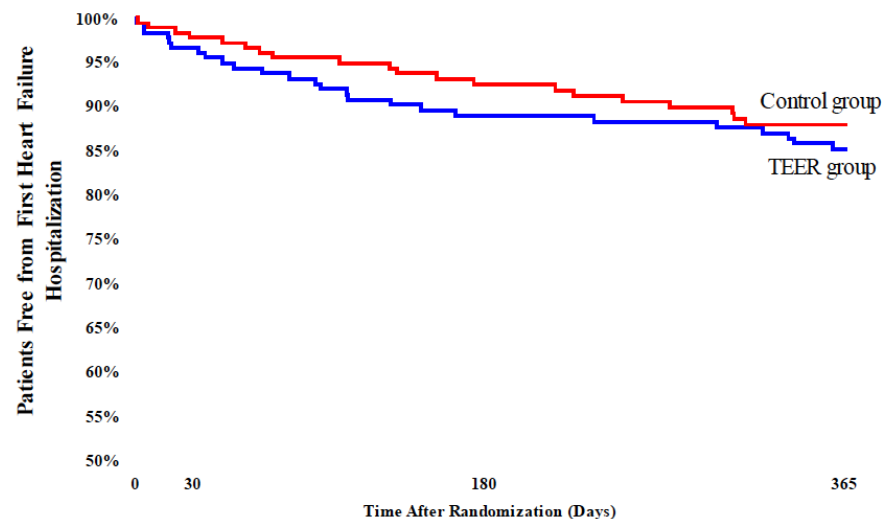
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Freedom from All -Cause Mortality or Tricuspid Valve Surgery



Freedom from First Heart Failure Hospitalization



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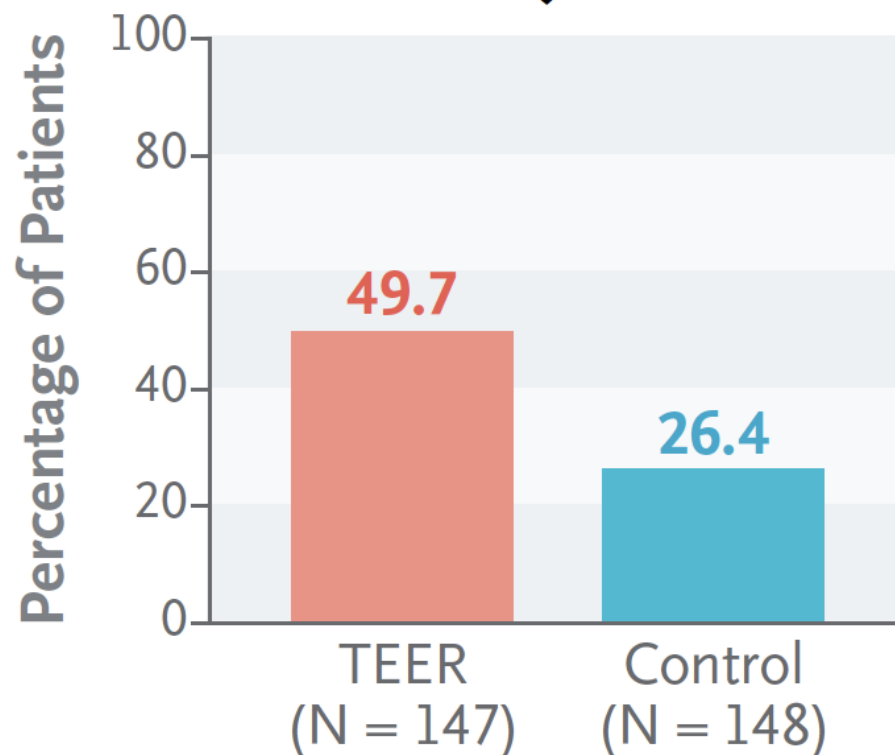
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Transcatheter Repair for Patients with Tricuspid Regurgitation

Jonathan M. J. ...
Moody ...
er, M.D.,
i, M.D.,

**≥15-Point Improvement
in KCCQ Score**



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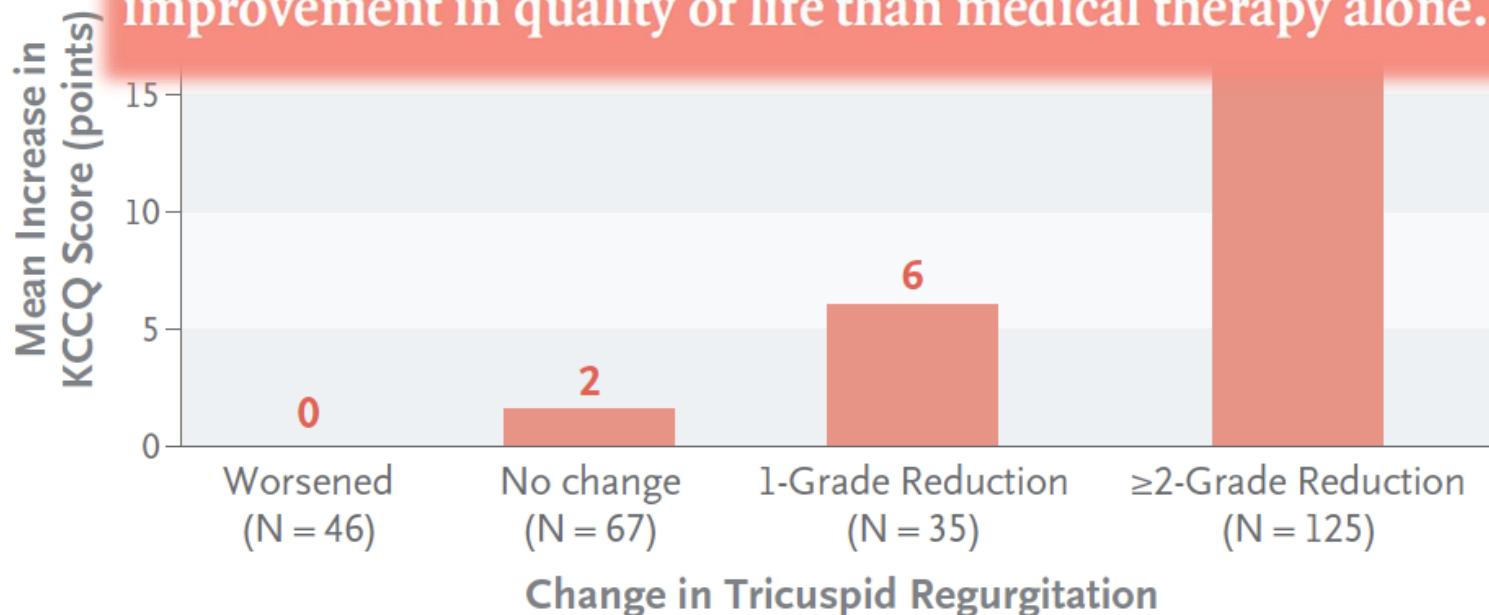
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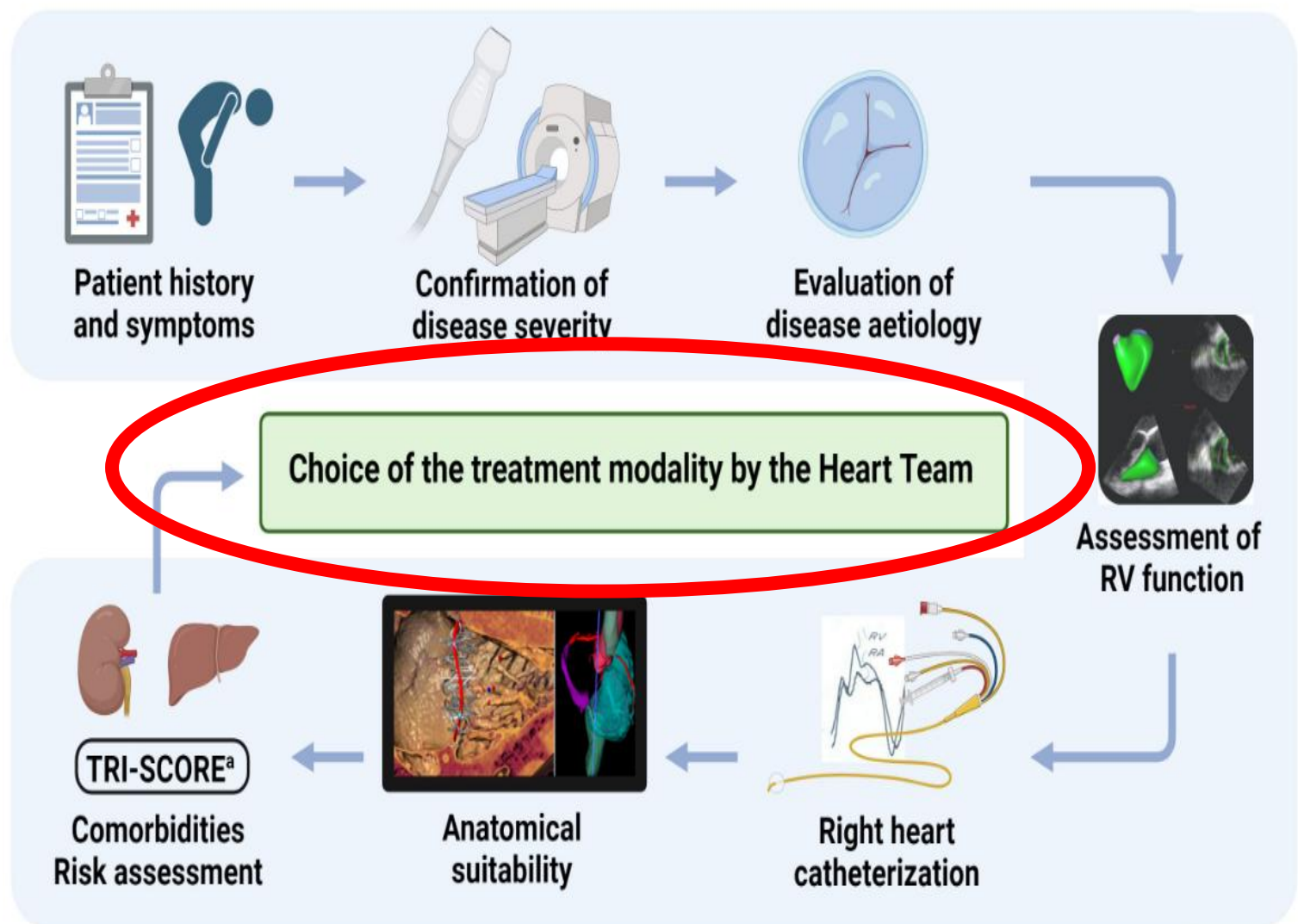
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Transcatheter Repair for Patients with Tricuspid Regurgitation

CONCLUSIONS

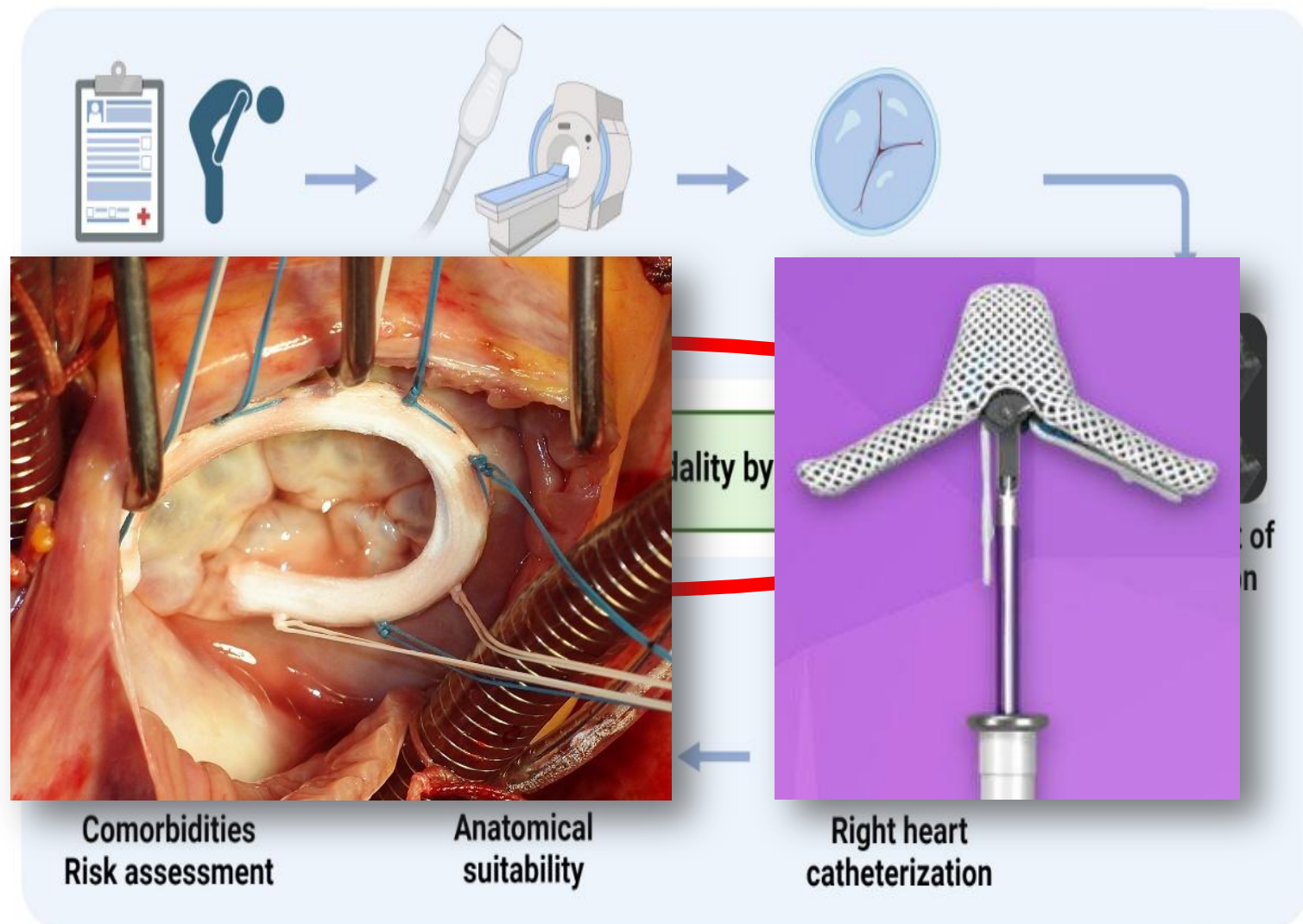
In patients with symptomatic, severe tricuspid regurgitation, TEER was safe and was associated with a greater improvement in quality of life than medical therapy alone.





RV, right ventricular.

^a See Supplementary data online *Table S7*.



RV, right ventricular.

^a See Supplementary data online *Table S7*.

