

Náhrada aortální chlopně pulmonálním autograftem: **ROSSOVA OPERACE**

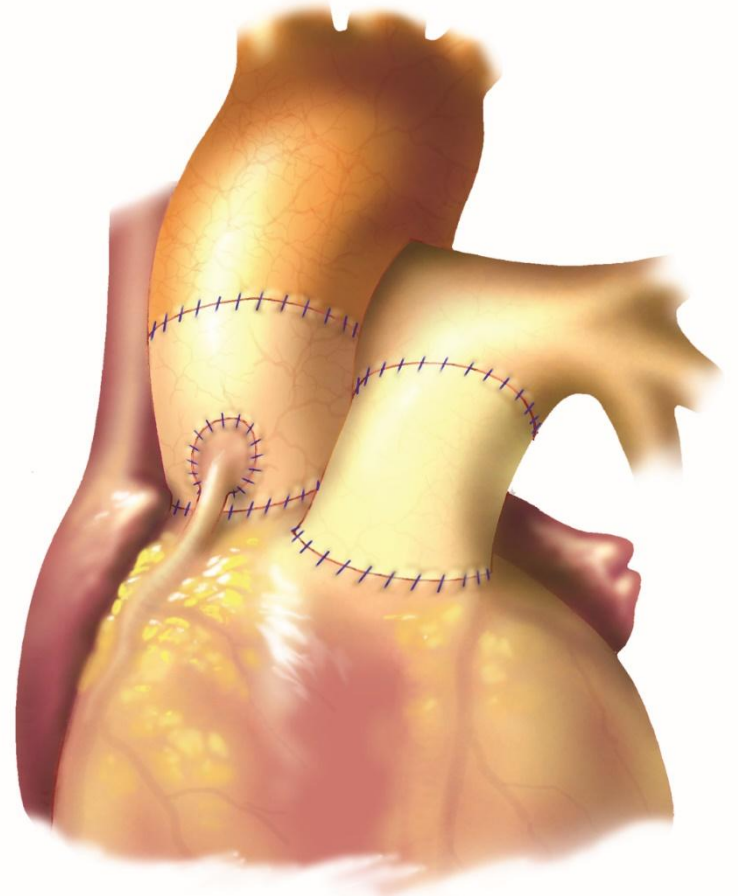
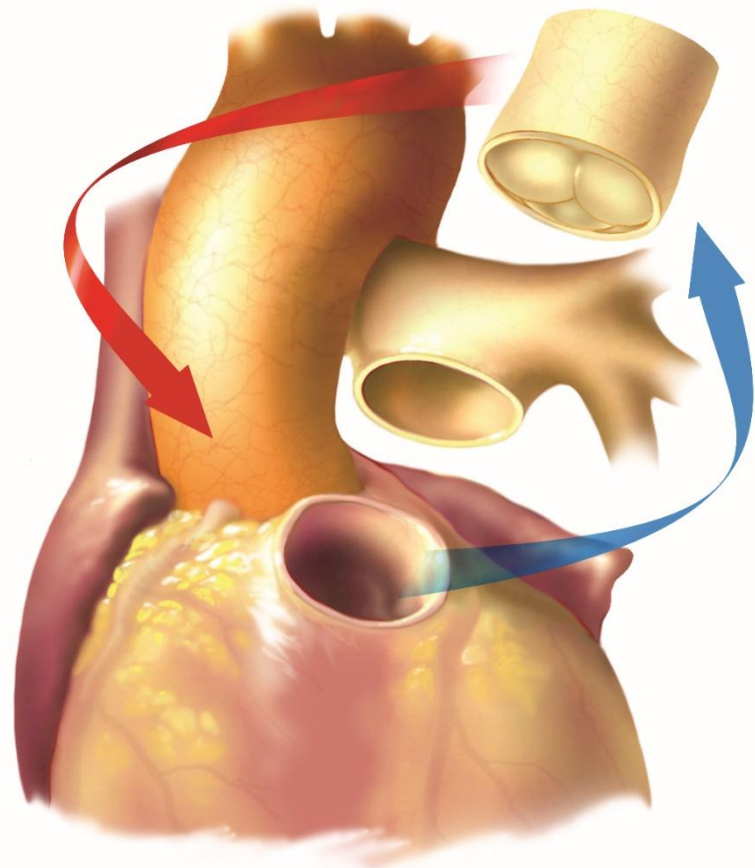
XXVI. SJEZD ČKS
BRNO, 2018

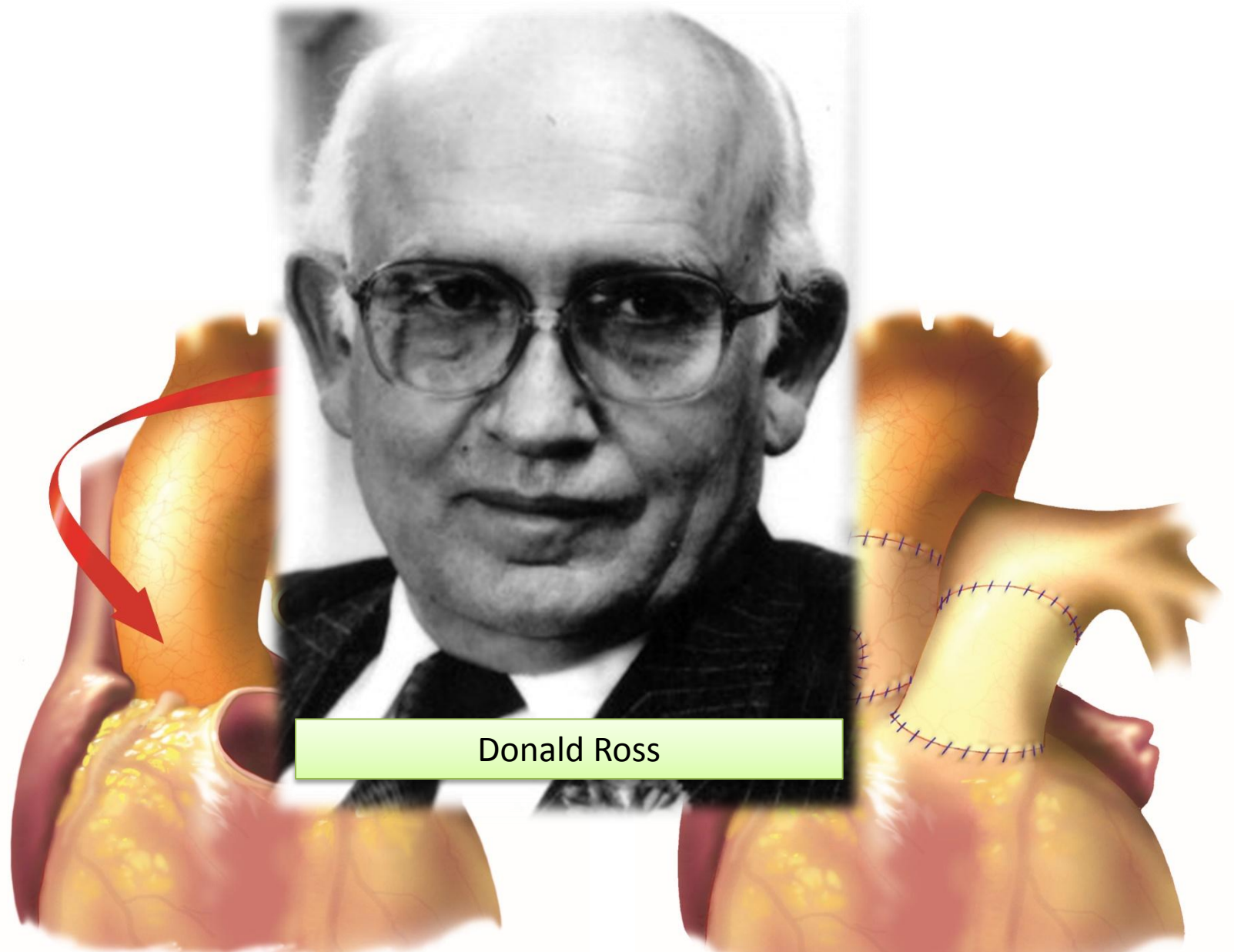
Jan Vojáček

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PRINCIP ROSOVY OPERACE





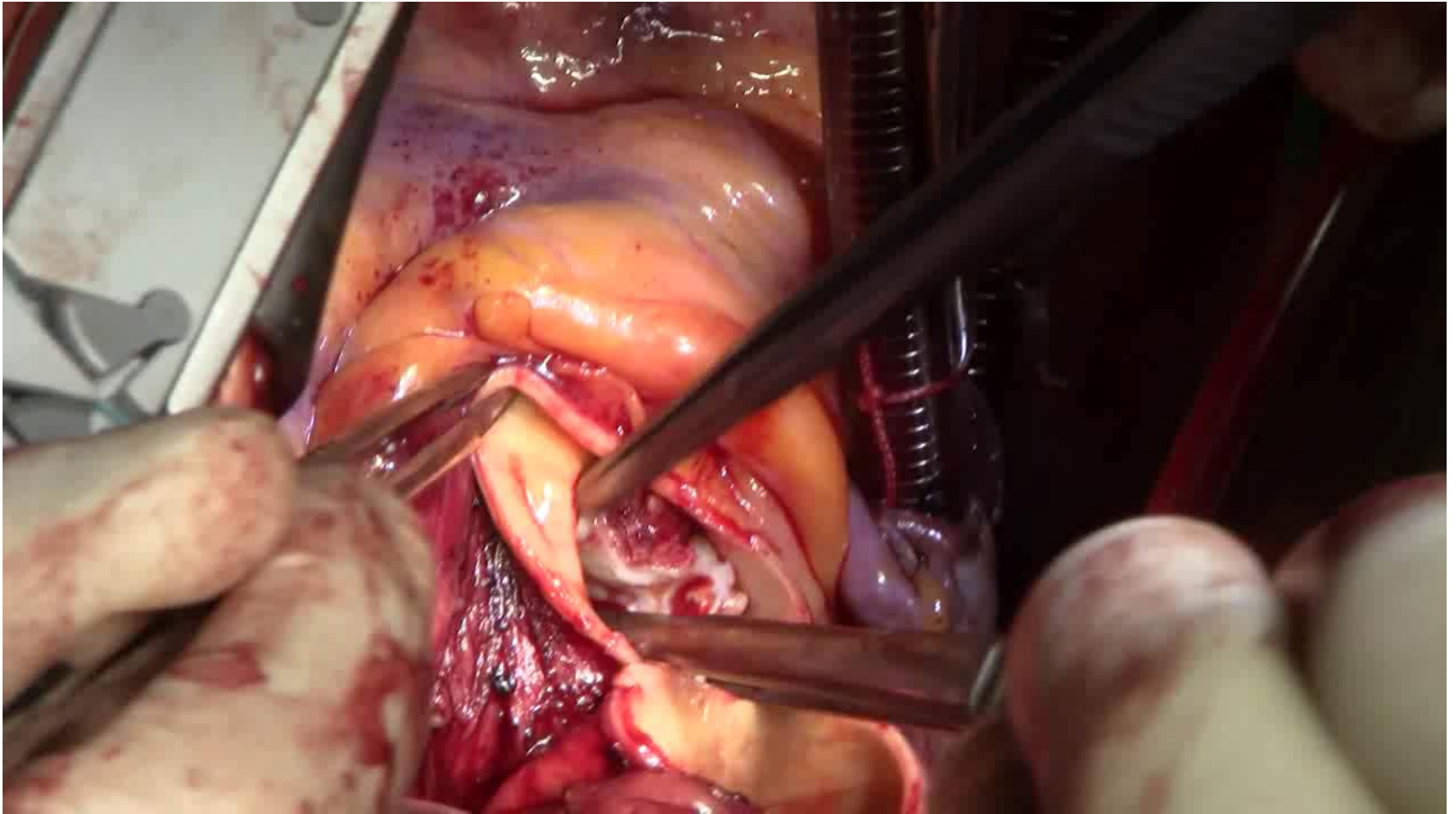
Donald Ross

Donald N. Ross: Replacement of Aortic and Mitral Valves with a Pulmonary Autograft. The Lancet 1967;2:956-8

LIVE IN A BOX

- Muž, 34 let
- AS, UAV
- Dilatace asc. aorty 48mm

VIDEO



ROSSOVA OPERACE

Výhody

„Living valve“

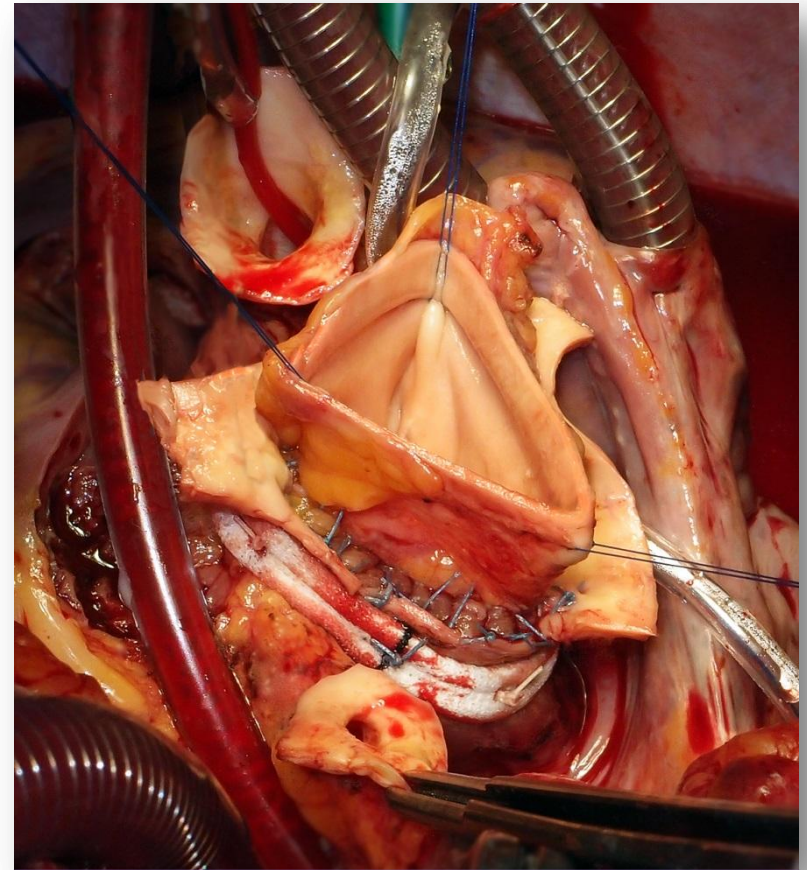
Potenciál růstu

Není antikoagulace

Bez krvácivých komplikací

Bez TEK

Odolnost vůči infekce



Pulmonální autograft v aortální pozici

ROSSOVA OPERACE

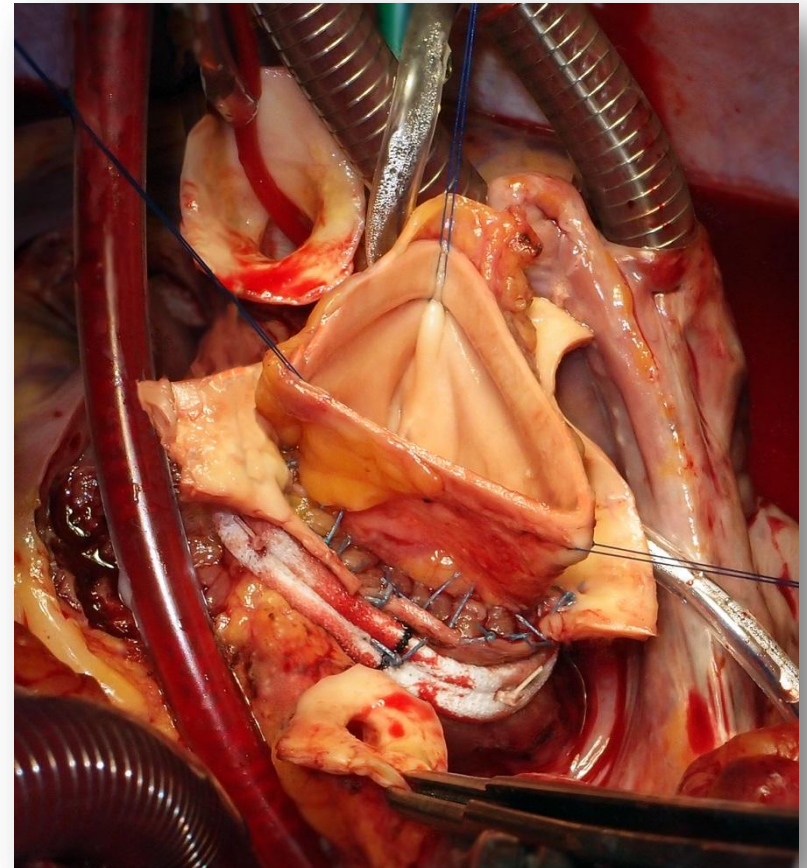
Nevýhody

Komplexní výkon

Vyšší riziko

Riziko reoperace PA + PH

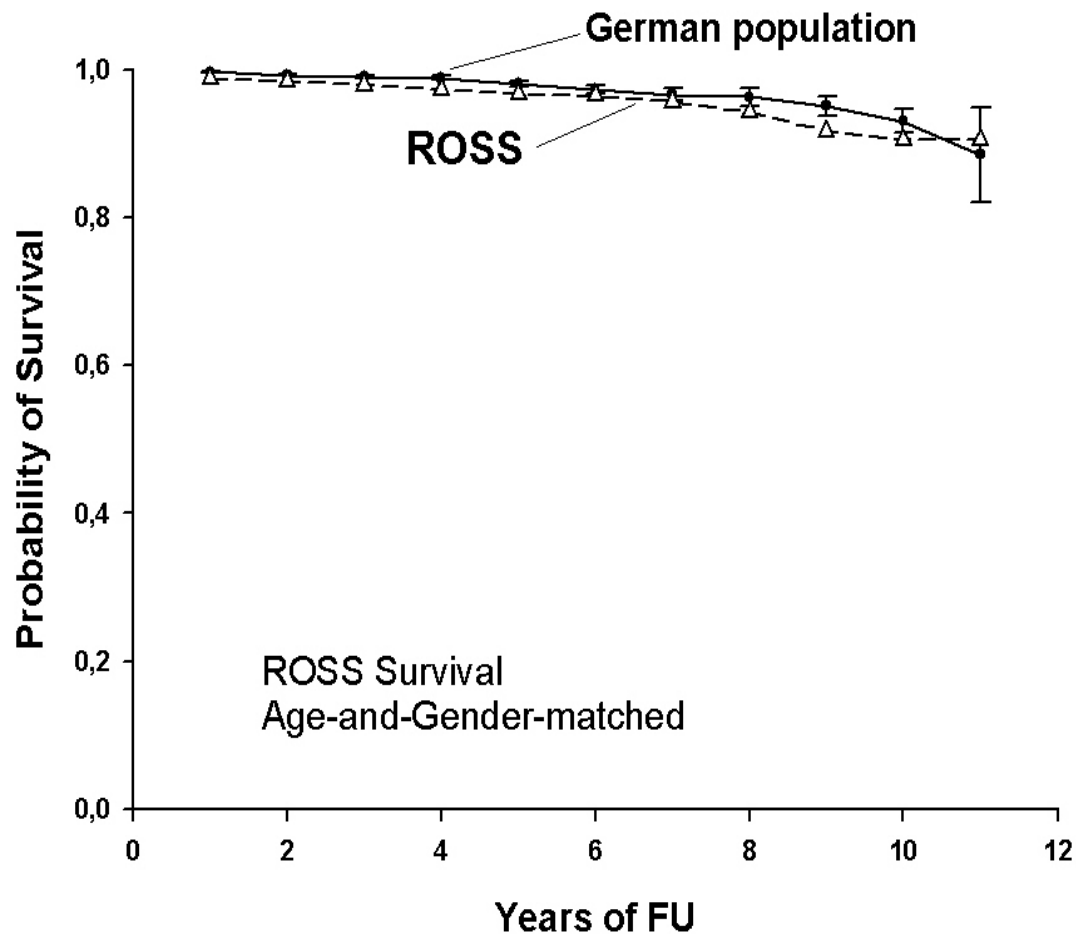
10% během 10 let



Pulmonální autograft v aortální pozici

Dlouhodobé přežívání po Rossově operaci

German-Dutch Ross Registry



QoL after the Ross procedure

Zacek et al. *BMC Cardiovascular Disorders* (2016) 16:63
DOI 10.1186/s12872-016-0236-0

BMC Cardiovascular Disorders

RESEARCH ARTICLE

Open Access



Quality of life after aortic valve repair is similar to Ross patients and superior to mechanical valve replacement: a cross-sectional study

Pavel Zacek^{1*†}, T. Holubec^{2†}, M. Vobornik¹, J. Dominik¹, J. Takkenberg³, J. Harrer¹ and J. Vojacek¹

ORIGINAL RESEARCH ARTICLE



Long-Term Outcomes of the Ross Procedure Versus Mechanical Aortic Valve Replacement

Propensity-Matched Cohort Study

T. DAVID, *Circulation*, August 2016

In the Ross group

BETTER SURVIVAL

LOWER INCIDENCE OF VALVE RELATED COMPLICATIONS

SAME RISK OF REOPERATION

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Improved Survival After the Ross Procedure Compared with Mechanical Aortic Valve Replacement

Edward Buratto, MBBS,^a William Y. Shi, MBBS,^a ... Wynne, PhD,^{a,b} Chin L. Poh, MBBS,^{a,b}
Marco Larobina, MBBS,^b Michael O'Keefe, MD,^a ... Goldblatt, MBBS,^b James Tatoulis, MD,^{a,b}
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CENTRALIZACE

INDIKACE