



CENTER FOR BIOMEDICAL RESEARCH
AND TRANSLATIONAL SURGERY
MEDICAL UNIVERSITY OF VIENNA

Masters in Cardiovascular Surgery The Ross-Procedure

16th June 2025, 8.30 am – 4.15 pm

Center for Biomedical Research and Translational
Surgery

Währinger Guertel 18-20, 1090 Vienna

www.meduniwien.ac.at

The indication for biological aortic valve replacement is widely accepted for patients over 60 years of age worldwide. For younger patients, mechanical valve replacement is recommended despite the associated challenges and risks. Therefore, the Ross-Procedure (Ross, 1967) represents an excellent alternative for young patients with irreparable aortic valve disease. In the Ross-Procedure, the aortic valve is replaced with an autograft of the pulmonary valve, and, consecutively, the pulmonary valve is replaced with a homograft. Due to excellent long-term results, this technique is gaining increasing popularity.

As part of the “Masters in Cardiovascular Surgery” series, the course “The Ross-Procedure” offers cardiac surgeons a comprehensive workshop on this excellent but complex surgical technique. The theoretical part discusses indications, techniques, and pitfalls. The practical part includes three intensive wet-lab sessions on human cadaver hearts. All tutors are experienced cardiac surgeons who provide participants with individual feedback and numerous tips.

Target group

Cardiac Surgeons
Senior Residents in Cardiac Surgery

Participants must bring their own magnifying glasses.

Please register at
biotraining@meduniwien.ac.at



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In collaboration with



ÖGHG
Österreichische Gesellschaft für
Herz- und thorakale Gefäßchirurgie

With the kind support of



The Center for Biomedical Research and Translational
Surgery is a certified training center of the ÖÄK.
The training is recognized with 8 DFP points.

Learning content and program

8.30 – 9.00 am

Registration, welcome, and introduction

Bruno K. Podesser

9.00 – 9.25 am

History of the Ross-Procedure and its modifications

Christoph Holzinger

9.25 – 9.50 am

Indications and current Guidelines

Dominik Wiedemann

9.50 – 10.00 am

Coffee Break

10.00 – 10.30 am

Surgical Techniques

Christoph Holzinger

10.30 am – 12.00 pm

Wetlab Session 1 (Ex-vivo Training)

Christoph Holzinger, Bruno K. Podesser,
Dominik Wiedemann

12.50 – 12.45 pm

Lunch

12.45 – 2.15 pm

Wetlab Session 2 (Ex-vivo Training)

Christoph Holzinger, Bruno K. Podesser,
Dominik Wiedemann

2.15 – 2.30 pm

Coffee Break

2.30 – 4.00 pm

Wetlab Session 3 (Ex-vivo Training)

Christoph Holzinger, Bruno K. Podesser,
Dominik Wiedemann

4.00 – 4.15 pm

Final Remarks

Scientific management and speakers

Bruno K. Podesser

Head of Center for Biomedical Research and
Translational Surgery, MedUni Vienna

David Santer

Head of Training and Simulation,
Center for Biomedical Research and Translational
Surgery, MedUni Vienna

Christoph Holzinger

Guest professor, Center for Biomedical Research and
Translational Surgery, MedUni Vienna

Dominik Wiedemann

Head of Department of Cardiac Surgery, University
Hospital St. Poelten, St. Poelten

Number of participants

6-8 persons

Course fee

250 Euro