A New Surgical Approach for Exclusion of Renal Artery Aneurysms Avoiding Organ Ischemia

R. Trunfio, MD a, S. Demertzis, MD, PhD a,*, J. Van den Berg, MD b, F. Siclari, MD, PhD a

a Department of Cardiac Surgery, Cardiocentro Ticino, Via Tesserete 48, 6900 Lugano, Switzerland
b Department of Radiology, EOC, Ospedale Civico Lugano, 6900 Lugano, Switzerland
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Abstract
Introduction: Surgical treatment of renal artery aneurysms is inevitably associated with temporary renal artery occlusion and risk of ischemic injury. We present a technique for renal artery grafting and aneurysm exclusion without interrupting renal blood flow.

Report: A symptomatic renal artery aneurysm was bypassed with a venous graft between the abdominal aorta and the very distal renal artery utilizing a distal anastomotic device without interruption of renal blood flow. The aneurysm was then excluded by means of hemostatic clips.

Conclusion: The presented surgical technique offers the major advantage of avoiding organ ischemia and accelerating the surgical procedure.

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