

Physician - Aortic (Thoracic) Pathologies and Surgery/Endovascular Interventions

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The FLOZ Procedure: Enforced Ozaki Opeation As A New Option for the Aortic Root

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Objective: This study aimed to introduce our implementation of a novel approach combining two reconstructive approaches: the Ozaki operation and the Florida sleeve procedure.

Methods: The study included six male patients (range, 37 to 64 years) with the aortic root pathology requiring aortic root replacement. All operations were performed by one surgeon, and all potential benefits and disadvantages of a novel technique were thoroughly discussed with the patients. Three patients had aortic stenosis with the aortic root dilatation, and three patients had aortopathy with aortic insufficiency, where aortic cusps were not subject to repair. All operations were accomplished by performing the Florida sleeve part of the operation first, completing the operation by implanting autopericardial cusps in appropriate sizes, as in the Ozaki technique.

Results: There was no mortality or major morbidity after these operations. The mean cross-clamp time was 98 ± 21 min. All patients spent one to two days in the intensive care unit. The mean follow-up time was 12 ± 6 months. None of the patients developed more than Grade 1 aortic insufficiency postoperatively. None of the patients required warfarin.

Conclusion: The findings demonstrate that the reconstructive approach of the reinforced Ozaki root repair, termed the FLOZ (Florida + Ozaki) operation, may be safely and reproducibly performed in a wide cohort of patients requiring aortic root management.

Keywords: Aortic root repair, Florida sleeve, Ozaki operation.

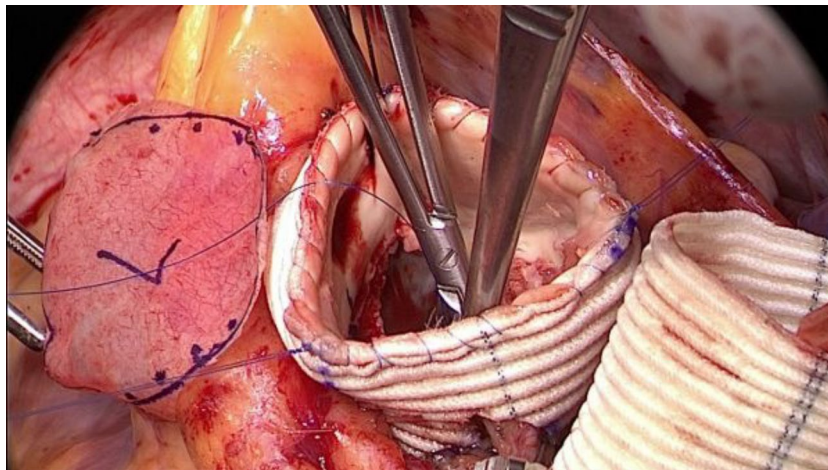


Figure 1. Intraoperative view of the FLOZ operation at the neocusp implantation stage, following completion of the Florida sleeve.

References

1. Karabacak K. A new alternative to the Bentall procedure: aortic valve neocuspidization (Ozaki procedure) with the Florida sleeve aortic root reconstruction. *Multimed Man Cardiothorac Surg* 2023;2023. doi: 10.1510/mmcts.2023.020. PMID: 37317995.