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**TO DEMONSTRATE THE EFFICACY OF SUTURELESS
AORTIC VALVE IN CHALLENGING PATIENTS WHO ARE
NOT AMENABLE FOR CONVENTIONAL SURGICAL AVR**

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Objectives: The objective of the study is to demonstrate the efficacy of sutureless aortic valve in challenging patients who are not amenable for conventional surgical AVR.

Methods: We are presenting a case series of ten patients who underwent successful sutureless aortic valve implantation which were high risk surgical patients and yet got benefitted with all the features of surgical AVR, like complete excision of the diseased valve and easier implantation technique with minimal access approaches in combined procedures with lesser CPB and across clamp timings.

Results: All of the patients had an uncomplicated procedure and did well in intra-operative, peri-operative and 1-year post-operative phases and outcome was same as in conventional AVR patients.

Conclusions: Sutureless aortic valve implantation provides confirmed reduced cross clamp time, reduced cardiopulmonary bypass time, facilitate easier implantation by minimal invasive approaches, promise of better clinical outcome in combined procedures, suitable for Bicuspid aortic valves Type 1 or 2 (Sievers), gradients appear to be better than standard tissue valves and patients with small and or calcified roots may also benefit.

References

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