

Outcomes of Percutaneous Transvenous Mitral Commissurotomy (PTMC) in patients with Mitral Stenosis : Single Center Experience

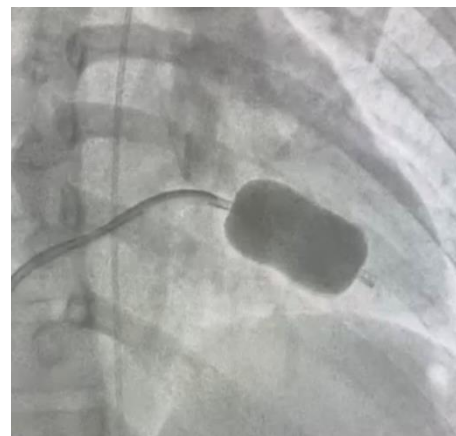
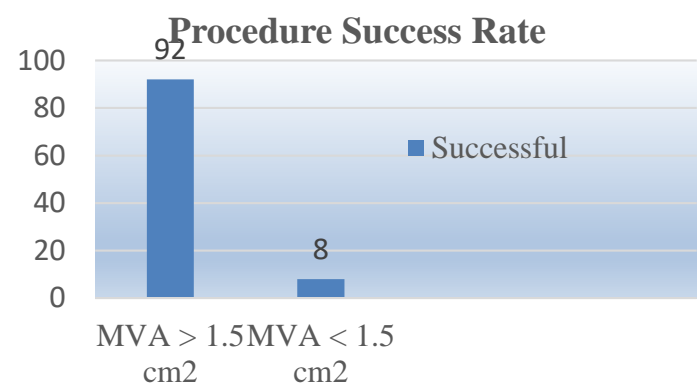
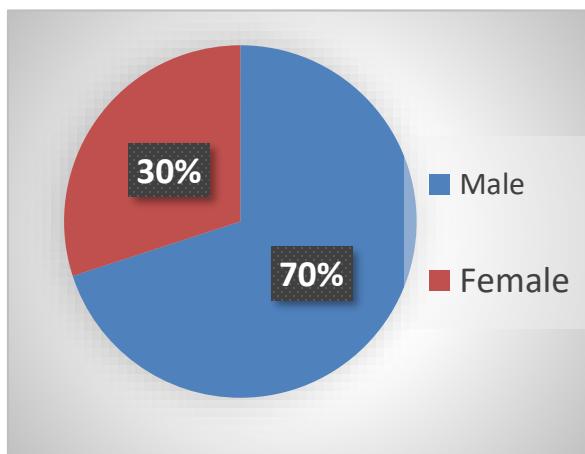


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Background: Rheumatic mitral stenosis remains a significant cause of morbidity in developing countries like Myanmar. PTMC is a well-established intervention for symptomatic patients.

Methods: A retrospective analysis was conducted on 14 patients who underwent PTMC at our center from April to June 2024 . Clinical outcomes, procedural success and complications were evaluated. Success was defined as a post procedural mitral valve area $> 1.5 \text{ cm}^2$ and a reduction in mitral gradient.

Results: Patient Demographics : mean age - 44 +/- 16 years, 70% female.
Procedure Success Rate - 92% achieved mitral valve area $> 1.5 \text{ cm}^2$.
Complications : occurred in 7% of cases including groin Haematoma and transient arrhythmia.
Follow Up : At 3 months, 85% of patients reported significant symptom improvement.



Conclusion : PTMC is a safe and effective intervention for patients with rheumatic mitral stenosis, showing high procedural success and favorable clinical outcomes. These results support to continue , as a budding experience, in appropriately selected patients.