(MP35-18) Dorsal Onlay urethroplasty for Radiation-Induced Urethral Stenosis: A Multi-Institutional Retrospective Review

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Introduction

- Management of post radiation urethral stenosis notoriously difficult
  - Increased risk of recurrence and *de novo* incontinence

Methods

- Dorsal Onlay Urethroplasty with BMG (modified Kulkarni technique)
  - Preserves continuity of urethra
  - Avoids circumferential dissection
  - Avoids antegrade urethral blood supply disruption
  - Avoids perirectal dissection in radiated field
Results

- 2010-2019, 10 institutions
- 67 patients
  - RALP+EBRT – 18 pts
  - EBRT - 30 pts
  - BT - 10pts
  - ERBT+BT -9 pts
- No rectal injury
- Mean follow up: 27 mo (8 – 88)
- Stricture recurrence 13 (19%)
- De-novo SUI- 2 (6.4%)

Conclusion

- Feasible option in post radiation posterior urethral stenosis
- Similar success rates to described techniques
- Encouraging results: improved rates of post-op de-novo incontinence