Prostatic Dystrophic Calcification Following Salvage Cryotherapy – An Under-Reported Entity?

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Introduction: Prostate dystrophic calcifications (DC) following SC have rarely been reported.

Methods: We reviewed our prospectively maintained database containing 187 pts who underwent whole-gland SC from 3/1995 to 9/2004. Urinary functional follow-up data were available in 85 pts.

Results: Amongst those with severe urinary obstructive symptoms requiring surgical intervention, heavy prostatic DC was encountered in 8 pts (9.4%) either at cystoscopy or attempted transurethral resection.
Results (con’): The bladder outlet became impassable, necessitating urinary drainage with permanent suprapubic catheter (7 pts) and nephrostomy(1pt). Mean time from SC to emergence of severe obstructive symptoms was 8.6 years (SD 6 years). With the small sample size as a limitation, all DC pts developed biochemical failure whereas failure rate for the remaining cohort was 57.1% (p=0.01).

Conclusion: Prostate dystrophic calcification following SC appears to be under-reported. Our long follow-up has revealed this AE which appears to have delayed onset (>8 yrs). This previously unappreciated AE can significantly impact quality of life requiring long-term catheter drainage.