MP18-7738: Propensity Score Comparative Matching of Oncological and Functional Outcomes of Primary Focal vs Whole Gland Cryotherapy for Prognostic Grade Groups (PGG) 4 and 5 Prostate Cancer

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**Objectives**

- To compare the oncologic and functional outcomes of partial vs whole-gland cryotherapy for men with high grade PGG 4-5 prostate cancer.

**METHODS**

- A 1:5 matched comparison of men with PGG 4-5 (Gleason score 8-10) PCa treated with partial gland (targeted ablation, unilateral/bilateral nerve sparing ablations) or whole gland prostate cryotherapy in the primary setting were included.
- A propensity score was developed based on age, prebiopsy serum prostate-specific antigen, biopsy GS and clinical stage.
- Outcomes include oncological control defined by BPFS using Phoenix criteria, and positive post-cryo biopsy rates.
- Functional outcomes assessed were post-cryo urinary retention, 12-month urinary continence and sexual function.

**CONCLUSIONS**

- Men with high-grade prostate cancer (PGG 4-5) treated with primary partial prostate cryoablation are more likely to maintain sexual function while having comparable oncological and functional outcomes to whole gland therapy.