




Infection rate and complications after 621 **transperineal MRI-trus fusion biopsies** in local anesthesia without standard antibiotic prophylaxis

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PATIENTS


621

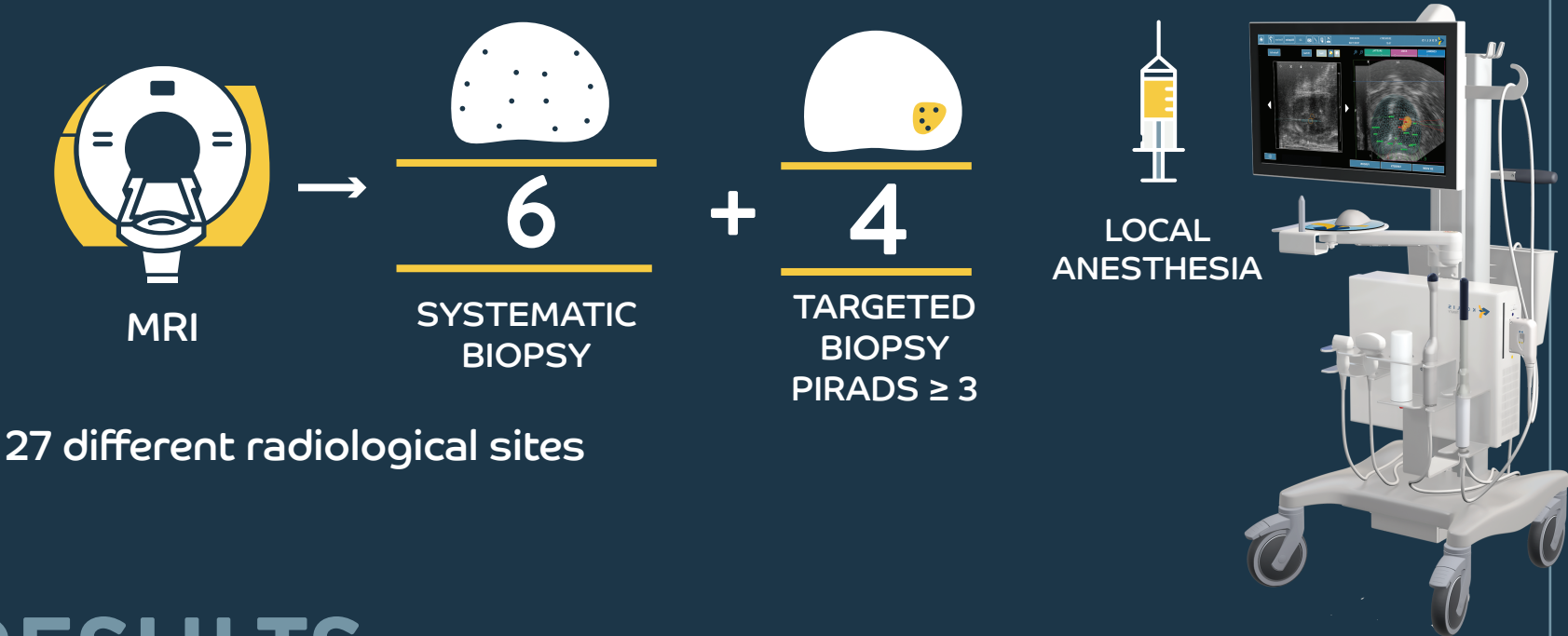

68
years


6.43
PSA ng/mL

- Selected patient population:
- Elevated PSA level
 - Suspect digital examination
 - PI-RADS ≥ 3 in mpMRI

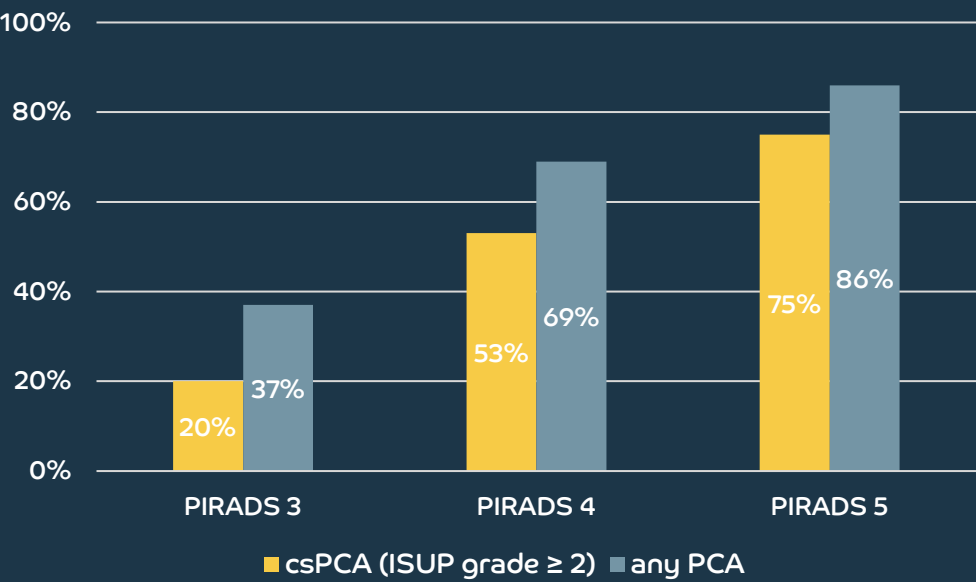
METHODS

Transperineal MRI-TRUS fusion biopsy without antibiotic prophylaxis



RESULTS

Detection of targeted and systematic biopsy



- 0.6% POST INFECTION RATE
- MEDIAN PAIN SCORE (2/10)



KEY TAKE AWAY

- MRI-TRUS fusion-guided prostate biopsy **led to a significant increase in cancer detection rates**
- TBx under LA are **feasible** with **tolerable pain levels** with a **low infection rate** in a selected patient population