

Prostate MRI: A superior front-line assessment tool

1,000,000

The number of prostate biopsies performed annually¹

1%

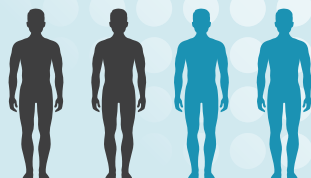
Amount of the prostate gland sampled during a typical 12-core TRUS biopsy

20%-25%

The number of **missed** malignancies with TRUS biopsies²

Prostate biopsies underestimate the severity of disease in

1/2



of men whose cancers had been classified as “slow growing.”³

UPDATE ON THE AUA
POLICY STATEMENT
ON THE USE OF
PROSTATE MRI

(October 25, 2019)

...current evidence now supports its use in men at risk of harboring prostate cancer and who have not undergone a previous biopsy, as well as in men with an increasing prostate specific antigen following an initial negative standard prostate biopsy procedure.

Prostate MRI

95% sensitivity

for detecting clinically significant disease

And was able to identify cancer in **50%** of men whose initial biopsies were negative⁴

When used prior to biopsy⁵, prostate MRI:

Achieved a **17% decrease** in the detection of clinically insignificant disease



Achieved a **30% increase** in the detection of high risk disease



Risk assessment with **MRI before biopsy was superior to TRUS biopsy alone** in men at clinical risk who had not undergone biopsy previously⁶.

MRI before biopsy can improve the detection of clinically significant cancer but **does not avoid the need for a systematic biopsy⁷**



According to the PROMIS study⁸:

Incorporating prostate MRI into the diagnostic pathway as an initial test prior to prostate biopsy may

- 1** Reduce the proportion of men having unnecessary biopsies
- 2** Improve the detection of clinically significant prostate cancer
- 3** Increase the cost-effectiveness of the prostate cancer diagnostic and therapeutic pathway

Prostate MRI at IHS:

- ▶ **Our radiologists are among the most experienced in California** at performing and interpreting prostate MRI examinations
- ▶ **We are the only center in the region using OnQ Prostate** – an enhanced imaging technique clinically proven to better distinguish between cancerous and non-cancerous tissue
- ▶ **We also perform MR-guided prostate biopsies** or MR images to be used for a fusion biopsy
- ▶ **The cost of a prostate MRI is the lowest in the region at \$575**, making it more affordable and practical as a front-line test
- ▶ We have **worked closely with San Diego urologists** to determine the appropriate criteria and reporting of prostate MR assessment

References:

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8. Brown LC et al. Multiparametric MRI to improve detection of prostate cancer compared with transrectal ultrasound-guided prostate biopsy alone: the PROMIS study. Health Technol Assess. 2018 Jul;22(39):1-176. doi: 10.3310/hta22390

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