



Prostate Biopsy Once Again Is a Hot Topic in This Issue of the International Brazilian Journal of Urology

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The May-June number of International Brazilian Journal of Urology presents original contributions with a lot of interesting papers in different fields: Prostate cancer, Prostate biopsy, Male hypogonadism, Uro-Radiology, Posterior Urethral Valves, Transplant, Robotic Surgery, Kidney cancer, Infertility, Prostate Cancer and Reconstructive Urology. The papers came from many different countries such as Brazil, Italy, China, Egypt, USA, Portugal and Turkey, and as usual the editor's comment highlights some of them. The editor in chief would like to highlight the works about Prostate biopsy.

Dr. Chua and colleagues from USA, presented in page e20250512 (1) a nice study about the Pain Perception During Transperineal and Transrectal Prostate Biopsy (PBx) Under Local Anesthesia (LA) and concluded that PBx under LA alone are generally well tolerated; however, there is a subset of patients who experience more pain, including Black and Latino, younger patients, and those with more MRI suspicious lesions. Discussion of these pain risk factors is important for patients when choosing to have a biopsy performed under LA versus sedation.

Dr. Pina and colleagues from Portugal, presented in page e20250653 (2) a interesting study about systematic biopsy (SB) after targeted biopsy for the detection of clinically significant prostate cancer in MRI and concluded that SB offers limited diagnostic value when combined with a mpMRI-targeted approach and support the latter as a stand-alone procedure in men with suspicious lesions.

Prostate biopsy has been showing great prominence in diagnosis of prostate cancer recently (3-6). These 2 studies are very interesting and will greatly assist the urologist in diagnosing this disease.

The Editor-in-chief expects everyone to enjoy reading.

CONFLICT OF INTEREST

None declared.

REFERENCES

1. Chua KJ, Ramacciotti LS, Kaneko M, Inoue Y, Navarro LM, Cai J, Aron M, Halteh P, Kau E, Schuckman A, Hemal S, Desai M, Djaladat H, Gill IS, Aron M, Abreu AL. Pain Perception During Transperineal and Transrectal Prostate Biopsy Under Local Anesthesia: a Prospective Analysis of a Multi-ethnic and Diverse Cohort. *Int Braz J Urol.* 2026 May-Jun;52(3):. doi: 10.1590/S1677-5538.IBJU.2025.0512.
2. Pina JM, Guerra J, Lança MB, Dias JL, Lucas RN, Pinheiro LC. Is there still a role for systematic biopsy after targeted biopsy for the detection of clinically significant prostate cancer in MRI suspicious lesions? *Int Braz J Urol.* 2026 May-Jun;52(3):e20250653. doi: 10.1590/S1677-5538.IBJU.2025.0653.
3. Ramacciotti LS, Strauss D, Cei F, Kaneko M, Mokhtar D, Cai J, Jadvar D, Cacciamani GE, Aron M, Halteh PB, Duddalwar V, Gill I, Abreu AL. Transperineal versus Transrectal MRI/TRUS fusion-guided prostate biopsy in a large, ethnically diverse, and multiracial cohort. *Int Braz J Urol.* 2024 Sep-Oct;50(5):616-628. doi: 10.1590/S1677-5538.IBJU.2024.0354.
4. Morote J, Paesano N, Picola N, Muñoz-Rodríguez J, Ruiz-Plazas X, Muñoz-Rivero MV, Celma A, García-de Manuel G, Miró B, Servian P, Abascal JM. Validation of the Barcelona-MRI predictive model when PI-RADS v2.1 is used with trans-perineal prostate biopsies. *Int Braz J Urol.* 2024 Sep-Oct;50(5):595-604. doi: 10.1590/S1677-5538.IBJU.2024.0204.
5. Paesano N, Catalá V, Tcholakian L, Alomar X, Barranco M, Trilla E, Morote J. The effectiveness of mapping-targeted biopsies on the index lesion in transperineal prostate biopsies. *Int Braz J Urol.* 2024 May-Jun;50(3):296-308. doi: 10.1590/S1677-5538.IBJU.2023.0558.
6. Zhou Z, Li T, Zhang Y, Zhou X, Wang X, Cui D, Zhu Y, Jiang C, Guo W, Han B, Ruan YJ. Biplanar or Monoplanar Prostate Biopsy: Should Transrectal and Transperineal Approaches be Combined for Prostate Cancer Detection? *Int Braz J Urol.* 2025 Mar-Apr;51(2):e20240630. doi: 10.1590/S1677-5538.IBJU.2024.0630.

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