

Biomarkers, treatment and management of chronic prostatitis

Guest Editor



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Dear colleagues,

Chronic prostatitis is a very common benign condition observed in men and significantly affects quality of life with symptoms such as frequent or difficult urination, pain, sexual dysfunction. It is characterized by inflammation in the prostate that continues for >3 months. Chronic prostatitis encompasses different categories including chronic bacterial prostatitis, chronic pelvic pain syndrome or asymptomatic prostatitis, as classified by the United States National Institutes of Health. However, these symptoms vary widely, and diagnosis of chronic prostatitis becomes challenging. Given the nature of symptoms, patients find it embarrassing to reach out to their physicians and the condition still remains poorly understood and studied. It is also characterized by high rates of recurrence and damage to periprostatic nerves and surrounding muscles. Research to date has thrown light on some promising biomarkers from biological fluids (blood, urine, semen), pathophysiology and imaging modalities. Treatment and management of chronic prostatitis is largely through antibiotics and anti-inflammatory drugs. However, there are large gaps to fill in terms of diagnosis, treatment and management of chronic prostatitis.

In this special issue, we invite submissions that focus on diagnostic and prognostic biomarkers, etiology, strategies to improve treatment management and recurrence of chronic prostatitis. This can include but not limited to clinical parameters, pathology, physiology, imaging, genetics and artificial intelligence to address current challenges.

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