

# NEW BENIGN PROSTATE RESEARCH UPDATES

October 2021

Search terms: prostate, prostate inflammation, prostate fibrosis, prostate stromal cell, benign prostate hyperplasia OR BPH, prostate epithelial cell, prostate hypertrophy, prostate AND estrogen receptor OR androgen receptor, lower urinary tract disorders OR lower urinary tract symptoms OR LUTS

1. [Bladder neck angle associated with lower urinary tract symptoms and urinary flow rate in patients with benign prostatic hyperplasia.](#)  
Li Y, Chen Z, Zeng R, Huang J, Zhuo YM, Wang YH.  
Urology. 2021 Sep 23:S0090-4295(21)00894-3. doi: 10.1016/j.urology.2021.09.005. Online ahead of print.  
PMID: 34563544
2. [Tissue clearing techniques for three-dimensional optical imaging of intact human prostate and correlations with multi-parametric MRI.](#)  
Cipollari S, Jamshidi N, Du L, Sung K, Huang D, Margolis DJ, Huang J, Reiter RE, Kuo MD.  
Prostate. 2021 Sep 30. doi: 10.1002/pros.24242. Online ahead of print.  
PMID: 34591333 No abstract available.
3. [Upregulated bone morphogenetic protein 5 enhances proliferation and epithelial-mesenchymal transition process in benign prostatic hyperplasia via BMP/Smad signaling pathway.](#)  
Liu D, Liu J, Li Y, Liu H, Hassan HM, He W, Li M, Zhou Y, Fu X, Zhan J, Wang Z, Yang S, Chen P, Xu D, Wang X, DiSanto ME, Zeng G, Zhang X.  
Prostate. 2021 Sep 23. doi: 10.1002/pros.24241. Online ahead of print.  
PMID: 34553788
4. [Efficacy and tolerability of the hexanic extract of \*Serenoa repens\* compared to tamsulosin in moderate-severe LUTS-BPH patients.](#)  
Alcaraz A, Rodríguez-Antolín A, Carballido-Rodríguez J, Castro-Díaz D, Medina-Polo J, Fernández-Gómez JM, Ficarra V, Palou J, Ponce de León Roca J, Angulo JC, Esteban-Fuertes M, Cózar-Olmo JM, Pérez-León N, Molero-García JM, Fernández-Pro Ledesma A, Brenes-Bermúdez FJ, Manasanch J.  
Sci Rep. 2021 Sep 29;11(1):19401. doi: 10.1038/s41598-021-98586-5.  
PMID: 34588509
5. [Depressive symptoms in individuals diagnosed with lower urinary tract symptoms suggestive of benign prostatic hyperplasia \(LUTS/BPH\) in middle-aged and older Chinese individuals: Results from the China Health and Retirement Longitudinal Study.](#)  
Zhang W, Cao G, Sun Y, Wu F, Wang Q, Xu T, Hu H, Xu K.  
J Affect Disord. 2021 Sep 20:S0165-0327(21)01004-1. doi: 10.1016/j.jad.2021.09.045. Online ahead of print.  
PMID: 34565588