

# NEW KIDNEY STONES RESEARCH UPDATES

..... September 2021

Search terms: kidney stones OR stones OR urolithiasis OR nephrolithiasis OR stone disease OR urinary calculi

1. [Metabolic Differences Between Unilateral and Bilateral Renal Stones and Their Association with Markers of Kidney Injury.](#)  
Fan X, Ye W, Ma J, Wang L, Heng W, Zhou Y, Wei S, Xuehe Z, Sun Y, Cui R, Zhang W, Wang B, Dai Q, Li X, Li X.  
J Urol. 2021 Aug 25;101097JU0000000000002172. doi: 10.1097/JU.0000000000002172. Online ahead of print.  
PMID: 34428923
2. [LITHOSCREEN: a comprehensive screening program and database for the assessment and treatment management of patients with kidney stones.](#)  
William G Robertson.  
Urolithiasis. 2021 Oct;49(5):387-397. doi: 10.1007/s00240-021-01276-0. Epub 2021 Jun 4.  
PMID: 34086105
3. [Urine osmolality predicts calcium-oxalate crystallization risk in patients with recurrent urolithiasis.](#)  
Stavros A Kavouras, Hyun-Gyu Suh, Marion Vallet, Michel Daudon, Andy Mauromoustakos, Mariacristina Vecchio, Ivan Tack.  
Urolithiasis. 2021 Oct;49(5):399-405. doi: 10.1007/s00240-020-01242-2. Epub 2021 Feb 26.  
PMID: 33635363
4. [Atomistic Assessment of Cystine Kidney Stone Behavior in a Mechanical Breakdown Process by Nanobiorobots through Classical Molecular Dynamics Simulations.](#)  
Habibnejad-Korayem M, Nabiei O, Gharibshah S, Nouhi-Hefzabad R.  
J Phys Chem B. 2021 Aug 31. doi: 10.1021/acs.jpcc.1c04682. Online ahead of print.  
PMID: 34463504
5. [The characteristic and relationship of Escherichia coli isolated from urine and stones in patients with calcium oxalate stones.](#)  
Fangling Zhong, Weizhou Wu, Dong Chen, Yongchang Lai, Hans-Göran Tiselius, Chonghe Jiang, Jinkun Huang, Xiaolu Duan, Simon Choong, Yeping Liang, Guohua Zeng, Ming Lei, Wenqi Wu.  
Urolithiasis. 2021 Oct;49(5):407-414. doi: 10.1007/s00240-021-01243-9. Epub 2021 Jan 17.  
PMID: 33454825
6. [Urine osmolality predicts calcium-oxalate crystallization risk in patients with recurrent urolithiasis.](#)  
Stavros A Kavouras, Hyun-Gyu Suh, Marion Vallet, Michel Daudon, Andy Mauromoustakos, Mariacristina Vecchio, Ivan Tack.  
Urolithiasis. 2021 Oct;49(5):399-405. doi: 10.1007/s00240-020-01242-2. Epub 2021 Feb 26.  
PMID: 33635363