

REFERENCES

1. Stamatelou KK, Francis ME, Jones, CA, et al: Time trends in reported prevalence of kidney stones in the United States: 1976–1994. *Kidney Int* 63: 1817, 2003. [PMID: 12675858]
2. Scales CD, Smith A, Hanley JM, Saigal CS: Prevalence of kidney stones in the United States *Eur Urol* 62: 160, 2012. [PMID: 22498635]
3. Romero V, Akpınar H, Assimos DG: Kidney stones: a global picture of prevalence, incidence, and associated risk factors. *Rev Urol* 12: e86, 2010. [PMID: 20811557]
4. Rule AD, Lieske JC, Xujian L, et al: The ROKS nomogram for predicting a second symptomatic stone episode. *J Am Soc Nephrol* 25: 2878, 2014. [PMID: 25104803]
5. Sakhaee K: Recent advances in the pathophysiology of nephrolithiasis. *Kidney Int* 75: 585, 2009. [PMID: 19078968]
6. Fink HA, Wilt TJ, Eidman KE, et al: Recurrent nephrolithiasis in adults: comparative effectiveness of preventive medical strategies. Comparative Effectiveness Review No. 61. AHRQ Publication No. 12-EHC049-EF. Rockville, MD: Agency for Healthcare Research and Quality, 2013.
7. Attanasio M: The genetic components of idiopathic nephrolithiasis. *Pediatr Nephrol* 26: 337, 2011. [PMID: 20563734]
8. Teichman JM: Clinical practice. Acute renal colic from ureteral calculus. *N Engl J Med* 350: 684, 2004. [PMID: 14960744]
9. Dundee P, Bouchier-Hayes D, Haxhimolla H, et al: Renal tract calculi: comparison of stone size on plain radiography and noncontrast spiral CT scan. *J Endourol* 20: 1005, 2006. [PMID: 17206892]
10. Eskelinen M, Ikonen J, Lipponen P: Usefulness of history-taking, physical examination and diagnostic scoring in acute renal colic. *Eur Urol* 34: 467, 1998. [PMID: 9831787]
11. Zanetti G, Paparella S, Trinchieri A, et al: Infections and urolithiasis: current clinical evidence in prophylaxis and antibiotic therapy. *Arch Ital Urol Androl* 80: 5, 2008. [PMID: 18533618]
12. Dorfman M, Chan SB, Hayek K, Hill C: Pyuria and urine cultures in patients with acute renal colic. *J Emerg Med* 51: 358, 2016. [PMID: 27480349]
13. Bove P, Kaplan D, Dalrymple N, et al: Re-examining the value of hematuria testing in patients with acute flank pain. *J Urol* 162: 685, 1999. [PMID: 10458342]
14. Worcester EM, Parks JH, Evan AP, Coe FL: Renal function in patients with nephrolithiasis. *J Urol* 176: 600, 2006. [PMID: 16813897]
15. Paterson R, Fernandez A, Razvi H, Sutton R: Evaluation and medical management of the kidney stone patient. *Can Urol Assoc J* 4: 375, 2010. [PMID: 21191493]
16. [\(https://www.auanet.org/guidelines/stone-disease-medical-\(2014\)\)](https://www.auanet.org/guidelines/stone-disease-medical-(2014)) (Pearle MS, Goldfarb DS, Assimos DG, et al: Medical management of kidney stones: AUA guideline. American Urological Association Education and Research, March 2014, Linthicum, MD.) Accessed September 20, 2018.
17. Tasso SR, Shields CP, Rosenberg CR, et al: Effectiveness of selective use of intravenous pyelography in patients presenting to the emergency department with ureteral colic. *Acad Emerg Med* 4: 780, 1997. [PMID: 9262695]
18. Ha M, MacDonald RD: Impact of CT scan in patients with first episode of suspected nephrolithiasis. *J Emerg Med* 27: 225, 2004. [PMID: 15388206]
19. Worster A, Preyra I, Weaver B, Haines T: The accuracy of noncontrast helical computed tomography versus intravenous pyelography in the diagnosis of suspected acute urolithiasis: a meta-analysis. *Ann Emerg Med* 40: 280, 2002. [PMID: 12192351]
20. Smith RC, Verga M, Dalrymple NC, et al: Acute ureteral obstruction: value of secondary signs on helical unenhanced CT. *AJR Am J Roentgenol* 167: 1109, 1996. [PMID: 8911160]
21. Poletti PA, Platon A, Rutschmann OT, et al: Low-dose versus standard-dose CT protocol in patients with clinically suspected renal colic. *AJR Am J Roentgenol* 188: 927, 2007. [PMID: 17377025]
22. Hale Z, Hanna E, Miyake M, Rosser CJ: Imaging the urologic patient: the utility of intravenous pyelogram in the CT scan era. *World J Urol* 32: 137, 2014. [PMID: 23615746]
23. Fowler KA, Locken JA, Duchesne JH, Williamson MR: US for detecting renal calculi with nonenhanced CT as a reference standard. *Radiology* 222: 109, 2002. [PMID: 11756713]
24. Dillman, JR, Kappil M, Weadock WJ, et al: Sonographic twinkling artifact for renal calculus detection: correlation with CT. *Radiology* 259: 911, 2011. [PMID: 21460031]
25. Smith-Bindman R, Aubin C, Bailitz J, et al: Ultrasonography versus computed tomography for suspected nephrolithiasis. *N Engl J Med* 371: 1100, 2014. [PMID: 25229916]
26. Riddell J, Case A, Wopat R, et al: Sensitivity of emergency bedside ultrasound to detect hydronephrosis in patients with computed tomography-proven stones. *West J Emerg Med* 15: 96, 2014. [PMID: 24578772]
27. Springhart WP, Marguet CG, Sur RL, et al: Forced versus minimal intravenous hydration in the management of acute renal colic: a randomized trial. *J Endourol* 20: 713, 2006. [PMID: 17094744]
28. Holdgate A, Pollock T: Systematic review of the relative efficacy of non-steroidal anti-inflammatory drugs and opioids in the treatment of acute renal colic. *BMJ* 328: 1401, 2004. [PMID: 15178585]
29. Tramèr MR, Williams JE, Carroll D, et al: Comparing analgesic efficacy of non-steroidal anti-inflammatory drugs given by different routes in acute and chronic pain: a qualitative systematic review. *Acta Anaesthesiol Scand* 42: 71, 1998. [PMID: 9527748]
30. Sergey M, Yasavolian M, Likourezos A, et al: Comparison of intravenous ketorolac at three single-dose regimens for treating acute pain in the emergency department: a randomized controlled trial. *Ann Emerg Med* 70: 177, 2017. [PMID: 27993418]
31. Assimos D, Krambeck A, Miller NL, et al: Surgical management of stones: American Urological association/Endourological Society Guideline, Part I. *J Urol* 196: 1153, 2016. [PMID: 27238616]
32. Soleimanpour H, Hassanzadeh K, Vaezi H, et al: Effectiveness of intravenous lidocaine versus intravenous morphine for patients with renal colic in the emergency department. *BMC Urol* 12: 13, 2012. [PMID: 22559856]
33. Firouzian A, Alipour A, Rashidian Dezfouli H, et al: Does lidocaine as an adjuvant to morphine improve pain relief in patients presenting to the ED with acute renal colic? A double-blind, randomized controlled trial. *Am J Emerg Med* 34: 443, 2016. [PMID: 26704774]
34. Assimos D, Krambeck A, Miller NL, et al: Surgical management of stones: American Urological Association/Endourological Society guideline, part II. *J Urol* 196: 1161, 2016. [PMID: 27238615]
35. Singh A, Alter H, Littlepage A: A systematic review of medical therapy to facilitate passage of ureteral calculi. *Ann Emerg Med* 50: 552, 2007. [PMID: 17681643]
36. Hollingsworth JM, Canales BK, Rogers MA, et al: Alpha blockers for treatment of ureteric stones: systemic review and meta-analysis. *BMJ* 355: i6112, 2016. [PMID: 27908918]
37. Campschroer T, Zhu X, Vernooij RW, Lock MT: Alpha-blockers as medical expulsive therapy for ureteral stones. *Cochrane Database Syst Rev* 4: CD008509, 2018. [PMID: 29620795]
38. Türk C, Knoll T, Seitz C, et al: Medical expulsive therapy for ureterolithiasis: the EAU recommendations in 2016. *Eur Urol* 71: 504, 2017. [PMID: 27506951]
39. Wang H, Man LB, Huang GL, Li GZ, Wang JW: Comparative efficacy of tamsulosin versus nifedipine for distal ureteral calculi: a metaanalysis. *Drug Des Devel Ther* 10: 1257, 2016. [PMID: 27099471]
40. Meltzer AC, Burrows PK, Wolfson AB, et al: Effect of tamsulosin on passage of symptomatic ureteral stones: a randomized clinical trial. *JAMA Intern Med* 178: 1051, 2018. [PMID: 29913020]
41. Shah TT, Gao C, O'Keefe A, et al: The effects of medically expulsive therapy (MET) on spontaneous stone passage (SSP) in patients presenting with acute ureteric colic. *J Urol* 199: e387, 2018.
42. Meher S, Gibbons N, DasGupta R: Renal stones in pregnancy. *Obstet Med* 7: 103, 2014. [PMID: 27512433]
43. Vallurupalli K, Atwell TD, Krambeck AE, et al: Pearls and pitfalls in sonographic imaging of symptomatic urolithiasis in pregnancy. *Ultrasound Q* 29: 51, 2013. [PMID: 23358213]
44. White WM, Zite NB, Gash J, et al: Low-dose computed tomography for the evaluation of flank pain in the pregnant population. *J Endourol* 21: 1255, 2007. [PMID: 18042011]
45. Semins MJ, Matlaga BR: Management of urolithiasis in pregnancy. *Int J Womens Health* 5: 599, 2013. [PMID: 24109196]
46. Masselli G, Derme M, Laghi F, et al: Imaging of stone disease in pregnancy. *Abdom Imaging* 38: 1409, 2013. [PMID: 23771120]
47. Committee on Obstetric Practice: Committee Opinion No. 723: Guidelines for diagnostic imaging during pregnancy and lactation. *Obstet Gynecol* 130: e210, 2017. [PMID: 28937575]