

## 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, Akpinar H, Assimos DG: Kidney stones: a global picture of prevalence, incidence, and associated risk factors. *Rev Urol* 12: e86, 2010. [PMID: 20811557]
4. Schissel BL, Johnson BK: Renal stones evolving epidemiology and management. *Pediatr Emer Care* 27: 676, 2011. [PMID: 21730811]
5. Cameron MA, Sakhaei K, Moe OW: Nephrolithiasis in children. *Pediatr Nephrol* 20: 1587, 2005. [PMID: 16133066]
6. Evan AP, Coe FL, Lingeman JE, et al: Mechanism of formation of human calcium oxalate renal stones on Randall's plaque. *Anat Rec* 290: 1315, 2007. [PMID: 17724713]
7. Miller NL, Willams JC, Evan AP, et al: In idiopathic calcium oxalate stone formers, unattached stones show evidence of having originated as attached stones on Randall's plaque. *BJU Int* 105: 242, 2010. [PMID: 19549258]
8. Sakhaei K: Recent advances in the pathophysiology of nephrolithiasis. *Kidney Int* 75: 585, 2009. [PMID: 19078968]
9. 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.
10. Attanasio M: The genetic components of idiopathic nephrolithiasis. *Pediatr Nephrol* 26: 337, 2011. [PMID: 20563734]
11. Teichman JM: Clinical practice. Acute renal colic from ureteral calculus. *N Engl J Med* 350: 684, 2004. [PMID: 14960744]
12. 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]
13. 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]
14. 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]
15. 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]
16. Worcester EM, Parks JH, Evan AP, Coe FL: Renal function in patients with nephrolithiasis. *J Urol* 176: 600, 2006. [PMID: 16813897]
17. 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]
18. 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. <http://www.auanet.org/education/clinical-practice-guidelines.cfm>. Accessed July 22, 2014.
19. 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]
20. Ha M, MacDonald RD: Impact of CT scan in patients with first episode of suspected nephrolithiasis. *J Emerg Med* 27: 225, 2004. [PMID: 15388206]
21. 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]
22. 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]
23. 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]
24. 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]
25. Gaspari RJ, Horst K: Emergency ultrasound and urinalysis in the evaluation of flank pain. *Acad Emerg Med* 12: 1180, 2005. [PMID: 16282510]
26. Watkins S, Bowra J, Sharma P, et al: Validation of emergency physician ultrasound in diagnosing hydronephrosis in ureteric colic. *Emerg Med Australas* 19: 188, 2007. [PMID: 17564683]
27. 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]
28. 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]
29. Bultitude M, Rees J: Management of renal colic. *BMJ* 345: e5499, 2012. [PMID: 22932919]
30. 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]
31. 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]
32. Hendenbro JL, Olsson AM: Metoclopramide (Primperan) in the treatment of ureterolithiasis. A prospective double-blind study of metoclopramide compared with morphine on ureteral colic. *Urol Int* 45: 112, 1990. [PMID: 1691882]
33. 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]
34. [www.uroweb.org/gls/pdf/21\\_Urolithiasis\\_LR.pdf](http://www.uroweb.org/gls/pdf/21_Urolithiasis_LR.pdf) (Türk C, Knoll T, Petrik A, et al: European Association of Urology guidelines on urolithiasis, 2013.) Accessed July 31, 2014.
35. Campschroer T, Zhu Y, Duijvesz D, et al: Alpha-blockers as medical expulsive therapy for ureteral stones. *Cochrane Database Syst Rev* 4: CD008509, 2014. [PMID: 24691989]
36. Ferre RM, Wasielewski JN, Strout TD, et al: Tamsulosin for ureteral stones in the emergency department: a randomized, controlled trial. *Ann Emerg Med* 54: 432-9, 439.e1-2, 2009.
37. Vincendeau S, Bellissant E, Houlgate A, et al: Tamsulosin hydrochloride vs placebo for management of distal ureteral stones: a multicentric, randomized, double-blind trial. *Arch Intern Med* 170: 2021, 2010. [PMID: 21149761]
38. Hermanns T, Sauermann P, Rufibach K, et al: Is there a role for tamsulosin in the treatment of distal ureteral stones of 7 mm or less? Results of a randomised, double-blind, placebo-controlled trial. *Eur Urol* 56: 407, 2009. [PMID: 19375849]
39. 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]
40. 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]
41. Semins MJ, Matlaga BR: Management of urolithiasis in pregnancy. *Int J Womens Health* 5: 599, 2013. [PMID: 24109196]
42. Masselli G, Derme M, Laghi F, et al: Imaging of stone disease in pregnancy. *Abdom Imaging* 38: 1409, 2013. [PMID: 23771120]
43. ACOG Committee on Obstetric Practice: Guidelines for Diagnostic Imaging During Pregnancy. *Obstet Gynecol* 104: 647, 2004. [PMID: 15339791]

## USEFUL WEB RESOURCES

Mayo Clinic: Disease & Conditions: Kidney Stones: comprehensive overview covers symptoms, causes, and treatment of kidney stones—<http://www.mayoclinic.com/health/kidney-stones/DS00282>  
National Kidney and Urologic Diseases Information Clearinghouse (NKUDIC)—<http://kidney.niddk.nih.gov/Kudiseases/pubs/stonesadults/>  
Urology Channel: urology-based review of kidney stones—<http://www.urologychannel.com/kidneystones/index.shtml>