

9. Deveci S, Coskun M, Tekin MI, et al. Spiral computed tomography: role in determination of chemical compositions of pure and mixed urinary stones - an in vitro study. *Urology*. 2004; 64: 237-40.
10. Sheir KZ, Mansour O, Madbouly K, et al. Determination of the chemical composition of urinary calculi by noncontrast spiral computerized tomography. *Urol Res*. 2005; 33: 99-104.
11. Ripolles T, Agramunt M, Errando J, et al. Suspected ureteral colic: plain film and sonography vs unenhanced helical CT. A prospective study in 66 patients. *Eur Radiol*. 2004; 14: 129-36.
12. Türk C, Knoll T, Petrik A, et al. Guidelines on urolithiasis: European Association of Urology Guidelines. 2013. Available at <http://www.uroweb.org/guidelines/online-guidelines/>.
13. Ciudin A, Galvez MP, Izquierdo RS, et al. Unenhanced CT findings can predict the development of urinary calculi in stone-free patients. *Eur Radiol*. 2012; 22: 2050-56.
14. Mostafavi MR, Ernst RD, Saltzman B. Accurate determination of chemical composition of urinary calculi by spiral CT. *J Urol*. 1998; 159: 673-5.
15. El-Assmy A, Abou- El-Ghar ME, El-Nahas AR, et al. Multidetector Computed Tomography : Role in Determination of Urinary Stones Composition and Disintegration With Extracorporeal Shockwave Lithotripsy- an in Vitro Study. *J Urology*. 2011; 77: 286-90.
16. Sheir KZ, Mansour O, Madbouly K, et al. Determination of the chemical composition of urinary calculi by noncontrast spiral computerized tomography. *Urol Res*. 2005; 33: 99-104.
17. Ouzaid I, Al-Qahtani S, Dominique S, et al. A 970 Hounsfield units (HU) threshold of kidney stone density on non-contrast computed tomography (NCCT) improves patient's selection for extracorporeal shockwave lithotripsy (ESWL): evidence from a prospective study. *BJU Int*. 2012; 110: 438-42.
18. Bandi G, Meiners RJ, Pickhardt PJ, et al. Stone measurement by volumetric three-dimensional computed tomography for predicting the outcome after extracorporeal shockwave lithotripsy. *BJU Int*. 2008; 103: 524-8.
19. Dalla Palma L, Pozzi-Mucelli R, Stacul F. Present-day imaging of patients with renal colic. *Eur Radiol*. 2001; 11: 4-17.
20. Boll DT, Patin NA, Paulson EK, et al. renal stone assessment with dual-energy multidetector CT and advanced postprocessing techniques: improved characterization of renal stone composition - pilot study. *Radiology*. 2009; 250: 813-20.
21. Gupta NP, Ansari MS, Kesarvani P. Role of computed tomography with no contrast medium enhancement in predicting the outcome of extra-corporeal shockwave lithotripsy for urinary calculi. *Br J Urol*. 2005; 95: 1285-8.
22. Wang L, Wong Y, Chaung C, et al. Prediction of outcomes of renal stones after extracorporeal shockwave lithotripsy from stone characteristics determined by unenhanced helical computed tomography: a multivariate analysis. *Eur Radiol*. 2005; 15: 2238-43.
23. Garcia MP, Billordo PN, Liyo J, et al. SCAN as a predictor of composition and fragility of urinary lithiasis treated with extracorporeal shockwave lithotripsy in vitro. *Arch Esp Urol*. 2009; 62: 215-22.
24. Pareek G, Aremenakas NA, Fracchia JA. Hounsfield units on CT. predict stone-free rates after ESWL. *J Urol*. 2003; 169: 1679-81.
25. Sabnis RB, Naik K, Patel SH, et al. Extracorporeal shock wave lithotripsy for lower calyceal stones: can clearance be predicted? *Br J Urol*. 1997; 80: 853-7.
26. Madbouly K, Sheir KZ, Elsobsky E. Impact of lower pole renal anatomy on stone clearance after Shockwave lithotripsy: Fact or Fiction? *J Urol*. 2001; 165: 1415-8.
27. Abdul-Khalek M, Sheir KZ, Mokhtar AA. Prediction of Success rate after ESWL of renal stones. *Scand J Urol Nephrol*. 2004; 38: 161-7.

---

E-mail: [udayhani75@yahoo.com](mailto:udayhani75@yahoo.com)

Received 27<sup>th</sup> May 2013; Accepted 2<sup>nd</sup> Sep. 2013