

Hamdy Ibrahim, Nagwa Wilson, Mahmoud Abdel Wahab, Haney Heneidy. Computed Tomography Evaluation of Urinary Stones Densities Compared to in Vitro Analysis of Its Chemical Composition. International Journal of .Medical Imaging. Vol. ٢, No. ٦, ٢٠١٤, pp. ١٤١-١٤٥

This study demonstrates that, CT scanning can predict the chemical composition of urinary stones. The Hounsfield density is a convenient radiographic method, which correlates well with the chemical composition. A significant correlation between the stone size and HU values were also demonstrated. The prediction of the stone type would help in treatment planning.