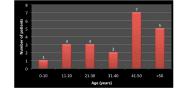
Multislice Computed Tomography (MSCT) of Blunt Abdominal Trauma: Incidental Findings Related to the Genitourinary Tract

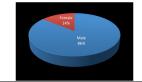


A total of 151 cases were included in the study. Age ranges from 2 to 84 years, mean age was 26.4 years.

Age distribution:



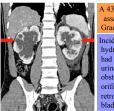
Sex distribution



Acknowledgements

•The Director General of Health, MOH Malaysia. •The Director, HTAA.

-All staff in Department of Surgery (HTAA and IIUM), Department of Radiology (IIUM) and Department of Diagnostic Imaging (HTAA). -Funded by: RMC IIUM, Endowment Type-A Incidental findings of transthoracic left kidney (arrow) as seen on coronal reformatted image (Image A). Scanogram (Image B) showed, focal elevation of left hemidiaphragm (arrow). Diagnostic laparoscopy was performed to rule out traumatic diaphragmatic hemia. It confirmed the ectopic kidney with focal diaphragmatic eventration.



Incidental findings of bilateral hydronephrosis (arrows). He had generalised thickening of urinary bladder wall causing obstruction of both ureteral orifices confirmed by retrograde pyelogram. HPE of

bladder wall revealed an eosinophilic cystitis.

Discussion

haemoperitoneum

Simple renal cyst is a common findings (12.4%) in this study, however the incidence is lower compared to previous reported series $(24.40\%)^3$. It is well documented that the incidence of simple renal cyst is higher in older patients⁴. As many of our trauma patients were young adults (in comparison with previous studies using MSCT performed for other causes), the lower incidence of simple renal cyst is expected.

In two cases of incidental findings of renal calculi, no obstructive uropathy was seen and no immediate further investigations were needed.

There were three cases of congenital anomaly, one did not require surgical intervention (Case 2), one required surgical correction (Case 3) and one case posed a challenge to the managing team with a co-incidental findings of a rare form of congenital anomalies that was confused with conditions related to the trauma itself (Case 1).

Conclusion: Incidental findings related to the genitourinary tract in MSCT of blunt abdominal trauma were common. However, those requiring a surgical intervention are rare.

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