

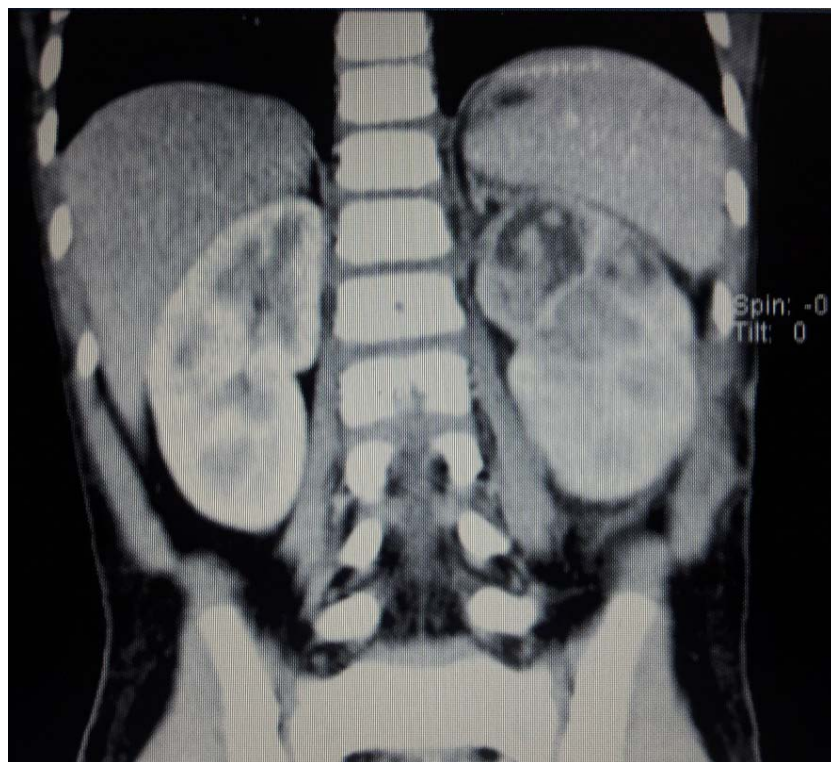
Photo Quiz

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## A 3-year-old Boy with Fever and Vomiting

A 3-year old boy with fever (40°), chill, malaise, nausea and vomiting from 5 days ago came to pediatric clinic. He had no positive past medical history. His lab data revealed marked leukocytosis with ESR:115 and CRP:102. His urine analysis was infavor of urinary tract infection and urine culture was positive. Because of sonography report, spiral CT scan with contrast was done.

**What is your diagnosis?**



**Figure 1.**Abdominal CT scan with contrast

## Photo Quiz Answer

# A 3-year old boy with fever and vomiting

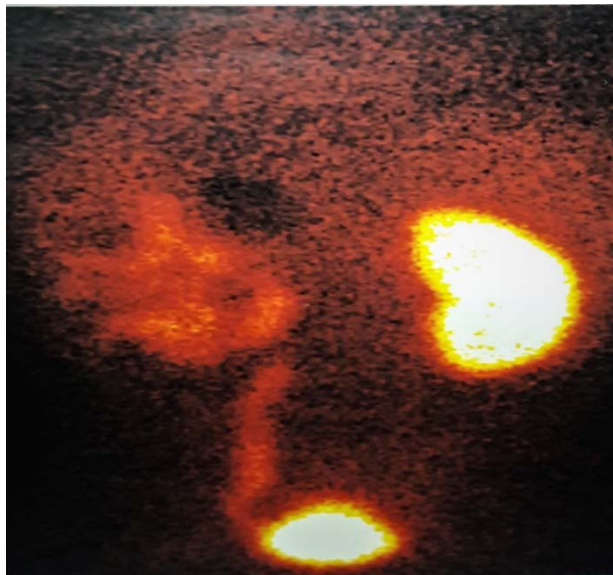
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Abdominal CT scan with contrast revealed collection in upper pole of left kidney with diameter about 55\*30\*20mm confirmed the diagnosis of renal corticomedullary abscess. This disease typically happened in patients with anatomical abnormalities like vesicoureteral reflux (VUR) or any kind of obstruction in lower urinary tract system. Past medical history of recurrent UTI or any voiding dysfunction will help to keep in mind this diagnosis [1,2]. This boy did not have any history of urinary tract infection or voiding dysfunction and was circumcised when he was a 5-month-old boy. DMSA-scan and VCUG voiding cystourethrogram were performed and hypo function of left kidney and high grade VUR(grade5)was revealed respectively.



**Figure 2.** DMSA-Scan of the patient shows hypofunction of left kidney



**Figure 3.** Voiding cystourethrogram shows high grade vesicoureteral reflux

## References

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2. Chun-Yu Chen et al. Clinical assessment of children with renal abscesses presenting to the pediatric emergency department. *BMC Pediatr.* 2016; 16: 189. 2016 Nov 22. doi:10.1186/s12887-016-0732-5.