Rhabdoid Tumor of the Kidney
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History
11 month old female with vomiting and hematuria.

Diagnosis
Rhabdoid Tumor of the Kidney

Additional Clinical
Subsequent imaging of the neuroaxis was normal.

Discussion
Rhabdoid tumor of the kidney is a rare aggressive cancer occurring in infancy and early childhood. Initially it was thought to represent a rhabdomyosarcomatoid variant of Wilms' tumor but subsequently it was confirmed to be distinct. The exact cell type of derivation remains unknown. Approximately 10% to 15% of patients with rhabdoid tumor also develop CNS lesions and are designated as atypical teratoid-rhabdoid tumors. Both rhabdoid and atypical teratoid-rhabdoid tumors of the CNS are genetically characterized by mutation of the hSNF5/INI1 gene. Survival rates are not more than 20% to 25% but prognosis is worse when diagnosis is made prior to 1 year of age. Imaging features are similar to Wilms tumor; the age of onset however is younger than for most Wilms tumor.

Findings
US-Large heterogeneous mass arising from the left kidney.
CT-Large heterogeneous mass arising from the left kidney.

Reference
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