imaging are able to reach a conclusive diagnosis\(^5\) and allow further characterization of the mass, help the diagnosis of adherence, define the involvement of adjacent structures and estimate the fetal gestational age by measuring the femoral length.

In this clinical case, computed tomography allowed us to confirm the diagnosis, providing a clear visualization of the fetal anatomy, size and estimated gestational age. It also showed adherences between the calcified fetus and bladder wall.

Treatment of these patients should be individualized, considering patient age, comorbidities, symptoms, and imaging findings like size, location, and possible adherences to adjacent structures. It is necessary to evaluate the risk/benefit relationship of an operative approach in these cases. In this particular case, it was considered that the risk of excision overcame its benefits, so the lithopedion was left in place.

Lithopedion is really rare nowadays, due to medical and pre-natal care becoming more accessible to the population, with the possibility of early diagnosis and treatment of the pathology.\(^5\) This case reflects the precarious medical attention in vulnerable populations.

**Declaration of patient consent**
The authors certify that they have obtained all appropriate patient consent forms. In the form the patient(s) has/have given his/her/their consent for his/her/their images and other clinical information to be reported in the journal. The patients understand that their names and initials will not be published and due efforts will be made to conceal their identity, but anonymity cannot be guaranteed.

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**Conflicts of interest**
There are no conflicts of interest.

**References**


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**Hyperglycemia-induced seizures and blindness**

Sir,

We read with great interest the article titled “Hyperglycemia-induced seizures-Understanding the clinico-radiological association” by Hiremath et al. in the October-December 2019 issue of Indian Journal of Radiology and Imaging.\(^1\) The article is highly informative and describes the mechanism and imaging manifestations of hyperglycemia-induced seizures. In this article, we describe a similar recent case with imaging on admission and follow-up images.

A 28-year-old woman, known case of exogenous Cushing’s disease, presented to the emergency services with three episodes of generalized tonic-clonic seizures, followed by...
blindness. Random blood glucose was 612 mg/dL. HbA1c levels were performed with a value of 8.6%. Urine was negative for ketones. Blood pressure was 110/76 mmHg, without any history of fever, and a negative vasculitic workup. Fundoscopic examination revealed no significant abnormality, raising the possibility of cortical blindness. MRI of the brain was performed, which revealed multifocal areas of cortical hyperintensity on T2 Weighted Images and corresponding restricted diffusion in bilateral parietal, occipital, and temporal lobes was seen. There was relative sparing of the frontal lobes. However, unlike prior studies, subcortical hypointensity was not seen. There was no restricted diffusion in the subcortical white matter, and the subcortical white matter did not show any susceptibility on susceptibility weighted imaging (SWI). Basal ganglia were normal. Imaging differentials at this point were posterior reversible encephalopathy syndrome (PRES), post ictal changes, and hyperglycemia-induced changes. PRES was ruled out due to restricted diffusion in the cortex, and absence of appropriate clinical findings. History of three episodes of seizures without any status epilepticus ruled out post ictal changes. Based on above imaging findings, a possibility of hyperglycemia-induced seizures and associated cortical blindness was raised. Follow-up imaging was recommended and performed after adequate control of blood glucose. Follow-up MRI after 10 days, when blindness persisted, showed significant resolution of the cortical restricted diffusion and hyperintensity. Even at this point, no T2/SWI hypointensity was seen in the subcortical white matter. Thus, a final diagnosis of hyperglycemia-induced seizures and associated cortical blindness was made. Recent studies, including the article in your journal, have demonstrated cortical T2 hyperintensity with restricted diffusion and subcortical T2 hypointensity, predominantly in the occipital lobes. Our case showed similar findings [Figure 1], barring the subcortical T2 hypointensity, which is considered specific for hyperglycemia. The pathophysiology behind this T2 hypointensity is unclear; however, the most reliable evidence states it to be due to the transient accumulation of free radicals and iron, which is secondary to cortical ischemia. This finding is transient, which could be the possible explanation why it was not present in our case, as the MRI was performed 9 h after the event. The fact that the findings resolved with control of blood glucose levels, with cortical blindness points toward hyperglycemia as the etiology. Occipital lobe seizures have been reported with hyperglycemia, which was also present in our case. Other minor imaging findings which have also been described include post gadolinium enhancement of the involved area. Other neurologic presentations of hyperglycemia include hemiballismus-hemichorea, which appears on imaging as T1 hyperintensity in the contralateral corpus striatum.

Hence, we see that hyperglycemia can present with occipital lobe seizures, cortical blindness and imaging findings are variable, with predominant involvement of the cortex and subcortical white matter. In the appropriate clinical setting, parieto-occipital/occipital cortical hyperintensity should alert suspicion for hyperglycemia-induced changes.

Integration of clinical data with imaging findings and follow-up imaging are helpful in arriving at a definitive diagnosis.

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**Conflicts of interest**

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Dear Editor,

We report a case of a 73-year-old woman, who presented with complaints of gradual onset of feeling of fullness of abdomen, early satiety, and occasional vomiting. She was a thin-built woman and her examination revealed pallor with a nontender, pulsatile lump in the epigastrium. Suspecting an abdominal aortic aneurysm (AAA) and bowel obstruction, a computed tomography (CT) angiogram with oral contrast was performed, which confirmed an infrarenal AAA measuring up to 8.1 cm in maximum diameter. There was dilatation of the first and second parts of the duodenum, which measured up to 4 cm in diameter with an extrinsically compressed third part of duodenum between the grossly dilated AAA and superior mesenteric artery (SMA) [Figures 1 and 2]. These findings were suggestive of a rare complication of AAA, called “aortoduodenal syndrome.” Our patient was managed conservatively and her symptoms gradually improved. The disease prognostication was conveyed to the patient and her family and she was referred to other tertiary care institute for primary repair of her AAA; however, she was lost to follow-up. Aortoduodenal syndrome was initially described by William Osler in 1905, in which he described the findings of bowel obstruction primarily due to stretching of the third part of duodenum by a large AAA.\[1\] The resultant luminal compromise is made more marked by the opposing SMA or anterior abdominal wall, especially in a thin emaciated patient. Very few reports have been found in literature with regard to aortoduodenal syndrome and no report is present in the Indian population to the knowledge of the authors. Some of the previously reported cases of aortoduodenal syndrome presented with features of acute intestinal obstruction and associated electrolyte imbalance that required correction and stabilization prior to surgery.\[2-4\]

Figure 1: CT angiogram with oral contrast axial view showing dilated second part of the duodenum (open white arrow to left) with compression of the third part of the duodenum (open white arrow to right), which is compressed between the SMA (open white arrow pointing downward) and the abdominal aortic aneurysm (open white arrow pointing upward)