Commentary

In the article,^[1] it was rightly highlighted by the author's ventriculoperitoneal shunts have wide spectrum of complications; however, the diagnosis should always be considered even in the absence of neurological signs and symptoms.^[2] Cerebrospinal fluid (CSF) shunts remain among the most failure-prone medical devices implanted in modern medical practice.^[3]

Similar to this case report, peritoneal pseudocysts could be a manifestation of indolent low-grade VP shunt infections that often present with symptoms in keeping with functional shunt obstruction, often in association with abdominal complaints or gastrointestinal disturbances.

It is worth remembering that few previous articles estimated that pseudocysts are found to be associated with culture-positive infections in 30%–100%, namely Propionibacterium acnes or *Staphylococcus epidermidis*. [4-6]

In neurosurgery, it is highly unlikely that CSF shunting will be substituted in the near future, it is essential for pediatric and adult neurosurgeons and researchers to continue exploring better understanding and management strategies for shunt malfunctions and its related morbidity.

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Conflicts of interest

There are no conflicts of interest.

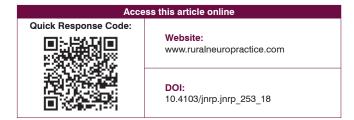
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REFERENCES

- Batuk D, BB, Gagan D, Kamble H, Nayak N. Subcutaneous cerebrospinal fluid pseudocyst: An unusual complication of ventriculoperitoneal shunt. J Neurosci Rural Pract 2018;1. doi: 10.4103/0976-3147.154582.
- Erşahin Y, Mutluer S, Tekeli G. Abdominal cerebrospinal fluid pseudocysts. Childs Nerv Syst 1996;12:755-8.
- Hanak BW, Bonow RH, Harris CA, Browd SR. Cerebrospinal fluid shunting complications in children. Pediatr Neurosurg 2017;52:381-400.
- Hahn YS, Engelhard H, McLone DG. Abdominal CSF pseudocyst. Clinical features and surgical management. Pediatr Neurosci 1985;12:75-9.
- Gaskill SJ, Marlin AE. Pseudocysts of the abdomen associated with ventriculoperitoneal shunts: A report of twelve cases and a review of the literature. Pediatr Neurosci 1989;15:23-6.
- Burchianti M, Cantini R. Peritoneal cerebrospinal fluid pseudocysts: A complication of ventriculoperitoneal shunts. Childs Nerv Syst 1988;4:286-90

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