

Abdominal Cerebrospinal Fluid Pseudocyst Formation: A Rare Intra-Abdominal Complication Following Ventriculoperitoneal Shunt

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Ventriculoperitoneal (VP) shunt is a common neurosurgical procedure which is performed due to different clinical indications. Abdominal cerebrospinal fluid pseudocysts (APC) are a rare intra-abdominal complication of VP shunt.

A five-year-old female, known case of Dandy-Walker syndrome and congenital hydrocephalus, presented with two days' history of abdominal pain with fever. She underwent ventriculoperitoneal shunt insertion six months before her presentation. The patient was admitted and started on empirical antibiotics (ceftriaxone 1 gram intravenously once daily for 10 days).

A contrast-enhanced CT scan of the abdomen and pelvis revealed a large fluid-containing cystic structure in the lower abdomen measuring about 7.5x7.1x5.5 cm. The patient underwent laparoscopic adhesiolysis with shortening of VP shunt under general anesthesia. The patient had no postoperative complications and was discharged after three days.