

Neonatal Acute Appendicitis (Case Report)

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Abstract

Neonatal appendicitis is an extremely rare disease with a high mortality. The diagnosis has never been reported preoperatively. The unique clinical observation is presented: pre-operation ultrasound diagnostics of acute appendicitis in newborn. We present a case of appendicitis in a 23-day-old boy who was born at term and entered clinic in grave condition with vomiting, abdominal distension, intoxication. Complete ultrasound of abdomen and pelvis revealed the ultrasound picture of acute destructive appendicitis, paranephritis to the right, the partial obstruction of the urinary tracts to the right. The patient had to be taken up for emergency laparotomy: gangrenous-perforated appendicitis is revealed. It is extracted home to 16 days after operation. Literature of this rare condition is reviewed briefly.

Key words: Newborn, Appendicitis, Ultrasonography.

References

1. *Lubashev Ya. A. Kurlovich M. V., Bukovskaya Yu. V.* Mucocele of appendix is a rare pathology that should be kept in mind: a case report with the Review of the literature. *Radiologija – praktika*. 2013. No. 6. P. 51–59 (in Russian).
2. *Ayoub B. H., Omran Y., Hassan A., Hindi S.* The importance of timely detection and management in neonatal appendicitis // *BMJ Case Rep*. 2014. V. 22. P. 2014.
3. *Jahangiri M., Hosseinpour M., Jazayeri H., Mohammadzadeh M., Motaharizad D., Mirzadeh A. S.* Perforated acute appendicitis in a pre-term neonate. *Iran. Red. Crescent. Med. J*. 2013. V. 15. No. 6. P. 497–9.
4. *Malakounides G., John M., Rex D., Mulhall J. Nandi B., Mukhtar Z.* Laparoscopic surgery for acute neonatal appendicitis. *Pediatr. Surg. Int*. 2011. V. 27. No. 11. P. 1245–1248.
5. *Schwartz K. L., Gilad E., Sigalet D., Yu W., Wong A. L.* Neonatal acute appendicitis: a proposed algorithm for timely diagnosis. *J. Pediatr. Surg*. 2011. V. 46. P. 2060–2064.

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