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Gallstone disease: the cause of acute intestinal obstruction

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Background, Aim, Methods

- **Background.** Acute intestinal obstruction is a complex of symptoms that combines various diseases, which are characterized primarily by a disruption of the passage through the gastrointestinal tract. The causes of this pathology are divided into two groups: a mechanical obstacle, or a lack of intestinal motor function. In rare cases, gallstone disease can also become the cause of this pathology. This work is devoted to the role of biliary ileus in the structure of non-standard situations in biliary surgery, the timeliness of patients' referral to a round-the-clock surgical hospital, the timeliness of diagnosis of this pathology, and the results of treatment of patients with biliary ileus.
- **Aim.** Our work is devoted to ileus, which develops as a complication of gallstone disease. A rare cause of acute small bowel obstruction (1.0%–4.0%), with high mortality (12.0%–18.0%). We also present 3 case reports related to the aforementioned problem.
- **Methods.** We have analysed the data for 5 years of a round-the-clock surgical hospital of urgent medical care “Severodvinsk City Clinical Hospital No. 2 Emergency Medical Care” and “Karpogorsk Central District Hospital”. Statistical analysis is carried out using the STATA12.1 application package for small numbers.

Results and Conclusion

Results. For 5 years, 5 patients with biliary ileus, including 1 case of Bouveret's syndrome, have been treated at the Severodvinsk City Clinical Hospital No. 2 of the SMP JSC. The time from the onset of the disease to hospitalization was more than 24 hours. All patients were operated on, in 2 cases, the diagnosis was established before the operation. One patient with Bouveret's syndrome has been treated in the Karpogorsk Central District Hospital in the last 5 years.

Conclusion. Despite the fact that biliary ileus, like one of its manifestations, Bouveret's syndrome, is a rare pathology, it is necessary to remember this cause of intestinal obstruction. Elderly patients with bowel obstruction deserve special attention. The operation should be performed as early as possible from the onset of the disease. A timely performed planned cholecystectomy in patients with gallstone disease, before complications occur, is an important aspect in the work of the surgical service.

Figures

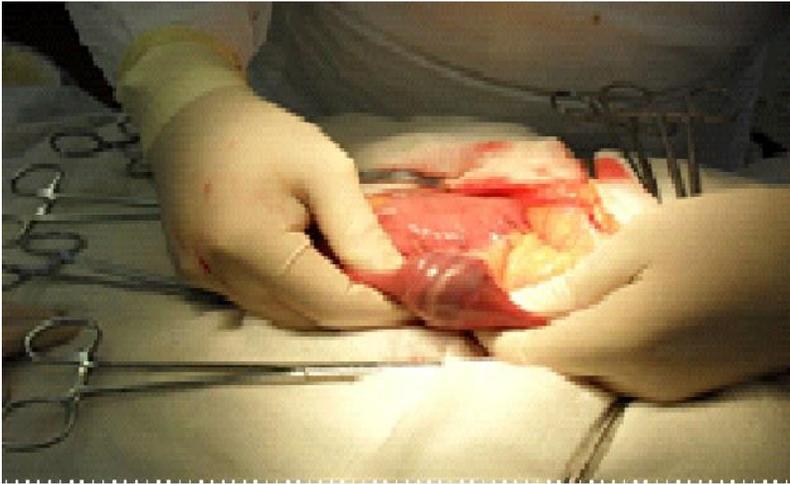


Figure 1: The calculus is relegated to the small intestine.



Figure 2: Gallstone extracted from the small intestine.



Figure 3: Calculus in the lumen of the duodenum.



Figure 4: Calculus extracted from the small intestine.

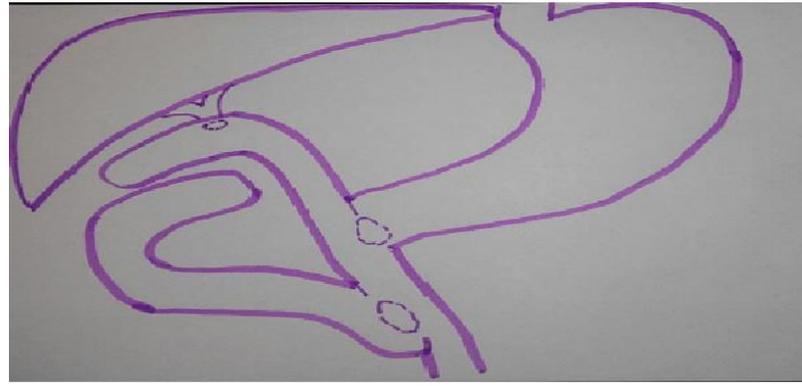


Figure 5: Scheme of the operation.