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## LAPARO-ENDOSCOPIC CHOLECYSTOLITHOTOMY: OPTIMAL SURGICAL OPTION FOR UNCOMPLICATED CHOLECYSTOLITHIASIS

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**Introduction:** With the deepening of the concepts of development of cholecystolithiasis, with the growing popularity of endoscopy and laparoscopy, combined operations on the gallbladder became actual.

**Materials & Methods:** In 102 patients with uncomplicated cholecystolithiasis performed laparoscopic endoscopically assisted cholecystolithotomy (LEACHLT). Men – 18 (17.6%), women – 84 (82.4%). Age 21-74 (36.4±4.8) years. The opening of the gallbladder wall during the laparoscopy was carried out in the area of the bottom. At the same time the bile was taken and the lavage of the gallbladder cavity was performed. For the revision of gallbladder cavity, a flexible endoscope with diameter of 5.2 mm was used. Lithextraction was performed using the Dormia basket, clip of Babcock. The integrity of the gallbladder wall was restored by a continuous absorbable suture. After LEACHLT, combined with electromyostimulation (EMS) and UDCA (ursodeoxycholic acid) course were performed to prevent recurrence of cholecystolithiasis.

**Results:** Before surgery 56.6% of patients had gallbladder normotonia (51.31±1.15%), 43.4% – hypotonia (28.21±2.22%); in the control group 80.0% of patients had normotonia (60.42±3.78%) and 20.0% – hypotonia (35.23±2.36%),

( $p < 0.05$ ). After LEACHLT, the application combined with EMS and UDCA course allowed to increase the frequency of gallbladder normotonia (54.08±2.87%) to 75.7% and to reduce the incidence of hypotonia (33.57±1.34%) to 24.3% ( $p < 0.05$ ). The recurrence of cholecystolithiasis since 8 months to 7.5 years was diagnosed in 6 (7.6%) from 79 examined patients with the initial gallbladder hypotonia.

**Conclusions:** The LEACHLT combined with EMS and UDCA course in the postoperative period is the optimal method for treatment of cholelithiasis in the stage of uncomplicated cholecystolithiasis.

### Biography

Oleksandr Babii has completed his dissertation for Doctor of Science Degree. He is currently working at the State Institution "Institute of Gastroenterology of National Academy Medical Science of Ukraine", Dnipro city, Ukraine. He is a Senior Researcher in the Department of Digestive Surgery and performs about 120 operations per year, half of them by laparoscopic approach. He has published more than 96 papers in reputed and national scientific journals. His interests include gallbladder disease surgery, achalasia cardia, hiatal hernia, minimal invasive pancreatic surgery.

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