**Appendix 1: Common bile duct stones clinical pathway**

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| **Only valid in**  Specialty: Gastroenterology | | | | | | |
| **Inclusion criteria**  Comment: the hospital ward is notified by means of registration forms about the patient’s admission to the clinical pathway  Patients with common bile duct stones (ICD-10: K80.3/K80.5)  Patients undergoing endoscopic choledocholithotomy (ICD-9-CM-3: 51.8802) | | | | | | |
| **Name** | **Sex** | **Age (yr)** | **Clinic No.** | **No. of admission** | **Date of admission** | **Date of discharge** |
|  | **Day 1** | **Day 2-3** | **Day 2-4** | **Day 3-5**  **(Postoperative day 1)** | **Day 4-6**  **(Postoperative day 2-3)** | **Day 5-10**  **（Discharged）** |
| **Diagnosis and treatment** | -Medical history collection and physical examination  -Medical record writing  -Patients’ conditions and complications assessments | -Make the rounds of the wards, planning the next treatment  -Evaluation of indications and contraindications for endoscopic therapy  - Propaganda and education for patients and their families  -Preoperative preparation  -Sign self-paid agreement | -Make the rounds of the wards  -Records of ward round in three levels  -ERCP operation  -Postoperative checks  -Fluid replacement therapy, broad-spectrum antibiotics uses | -Abdominal symptoms and signs check  - Make the rounds of the wards, planning the next treatment according ERCP angiography  -Abnormal laboratory indicators re-check  - Propaganda and education | -Check the changes of abdominal symptoms and signs after eating / drinking water.  - Make the rounds of the wards, planning the next treatment according ERCP angiography  -Abnormal laboratory indicators re-check  -Propaganda and education | - Make the rounds of the wards, planning the discharge or not  - Notify patients and their families to discharge  - Matters needing attention after discharge  -Drug uses for discharged patients  - Discharge records copy delivery  -Reasons for continuing hospitalization |
| **Medical orders** | **Long-term**  -Routine nursing in gastroenterology  -Second grade care  -First grade care  -Low fat semi-liquid diet  -Liquid diet  **Temporary**  -Blood, urine, stool routine test  -Chem 20, AMS, blood type, factor Rh, infectious diseases (hepatitis, HIV, [TP-IgG](http://www.baidu.com/link?url=Y09q92D2YHvnY4sTPY-TXXBvQ7sArcl-g8mKa9g2IDScCUC6HDx1s8VuJs4Ed3uwcPT1a8D1ANfi0RrqY37NCdkFmbI7TowLOyCJ4rY0YCW&wd=&eqid=e7e9002300003f8a000000065bd80fba) etc,)  -Abdominal ultrasonography, ECG, chest X-ray  (Abdominal CT, MRCP on demand)  -5% glucose injection (250 ml) + Polyene Phosphatidylcholine injection (4 ampul), ivgtt qd;  5% glucose injection (250 mL) +Magnesium Isoglycyrrhizinate injection (4 ampul), ivgtt qd;  NS (100 mL) + Lansoprazole (30 mg), ivgtt bid;  NS (100 mL) + Pantoprazole (40 mg), ivgtt bid;  NS (100 mL) + Esomeprazole Magnesium (40 mg), ivgtt bid; | **Long-term**  -Routine nursing in gastroenterology  -Second grade care  -Low fat semi-liquid diet  **Temporary**  **-**Fasting next morning  **-**Iodine allergy test  **-**Drugs: sedatives, spasmodic drugs, meglumine or organic iodine contrast media, anesthetic drugs  **-**ERCP reservation | **Long-term**  -Routine nursing in gastroenterology  -First grade care  -Preoperative fasting and water deprivation  -Application of broad-spectrum antibiotics  -Intravenous infusion  **Temporary (Postoperative):**  -Blood routine test (in 24 h)  -Liver functions check and electrolyte examination  -AMS check at 3 h, 6 h and 12 h after operation  **Medication**  Moxifloxacin (400 mg) ivgtt qd | **Long-term**  -Routine nursing in gastroenterology  -First grade care  -Try drinking water  -Application of broad-spectrum antibiotics  -Intravenous infusion  **Temporary**  -Blood routine test; liver function and electrolytes examination on demand  -AMS and lipase check | **Long-term**  -Routine nursing in gastroenterology  -Second grade care  -Liquid diet  -Application of broad-spectrum antibiotics  -Intravenous infusion  **Temporary**  -Blood routine test, liver function and electrolytes examination on demand  -AMS and lipase check  -Abdominal ultrasound | **Long term**  -Drug uses for discharged:  Lansoprazole (30mg) po qd; Sodium Rabeprazole Enteric-coated Tablets (10 mg) po qd; Diammonium Glycyrrhizinate Enteric-coated Capsules (150 mg) po tid |
| **Nursing care** | -Admission procedure  -Admission education | -Venous blood sampling, basic nursing in life and psychology  - Preparation for endoscopy examination | -Basic nursing in life and psychology  -Postoperative checks | -Basic nursing in life and psychology  -Medication monitoring | -Basic nursing in life and psychology  -Medication monitoring | -Discharge procedure, hospital costs  -Drugs collection |
| **Disease variation records** | -No  -Yes  Reason: | -No  -Yes  Reason: | -No  -Yes  Reason: | -No  -Yes  Reason: | -No  -Yes  Reason: | -No  -Yes  Reason: |
| **Nurses signatures** |  |  |  |  |  |  |
| **Physicians signatures** |  |  |  |  |  |  |

AMS: Serum amylase; ECG: Electrocardiogram; NS: Normal saline.