



Hand Assisted Laparoscopic Hepaticodochojejunostomy

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Hand Assisted Laparoscopic Surgery

As described by A. Darzi , M.D. , FRCS , FRCSI

Palpate organs or tumors

Reflect organs atraumatically

Retract structures

Identify vessels

Dissect bluntly along a tissue plane

Proximal control of bleeding points

Knot tying

Reducing both number of ports and instruments

Accurately judge depth perception

Easier to learn and perform

Shorten the learning curve



What procedures are suitable for hand assisted laparoscopic technique?

- **Laparoscopically assisted procedures**
- **Necessitated conditions for conversion**

Laparoscopically assisted procedures

Colectomy

Splenectomy

Gastrectomy

Pancreatectomy

Hepatectomy

Nephrectomy

Hysterectomy

Tumor removal

Necessitated conditions for conversion

Bleeding

Adhesion

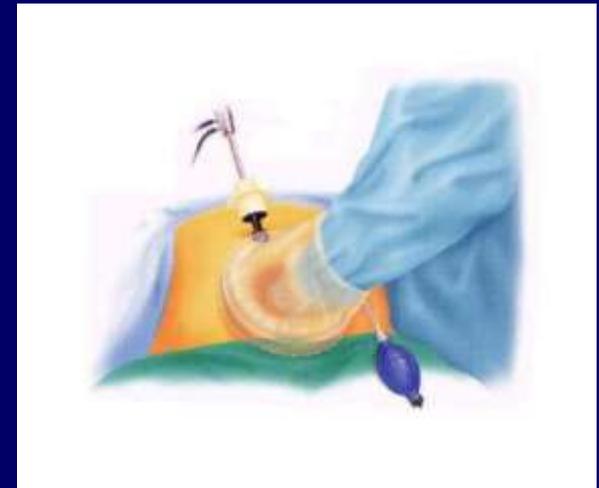
Organ injury

CBD exploration

Biliary by pass procedures

Prolong operative time

Hand Port System (Smith & Nephew)



Lap. Disc

(Johnson & Johnson)



The Forearm Balloon Invention

Poschong Suesat , M.D.



Two Transfer bags



Sewing together



Balloon test



Put on The Forearm



Cover with The Long Glove



Balloon Inflation



History

A 68 year-old woman

Loss of appetite , weakness for 3 weeks

**Jaundice , pruritus , dark urine , acholic stools
for 1 week**

Physical Examination

Deep Jaundice

**Palpable right upper abdominal mass
about 3 cm in diameter**

Investigations

LFT Total prot 7.6, Alb 3.8, Total bili 20.5
Direct bili 13.7, SGOT 58, SGPT20
Alk P 368

Ultrasound

Dilatation of CBD and intrahepatic duct
Thickening wall gall bladder

CT Biliary obstruction below cystic duct
Thickening wall gall bladder
Multiple lymphadenopathy

ERCP Obstruction at middle part of
extrahepatic duct

Hand Assisted Hepaticodochojejunostomy





www.geocities.com/thaisurgery

**THE
END**



Indications for bypass of the biliary tract

Benign

Multiple stones

Intrahepatic stones

Biliary tree packed with stones

Stenosis of the papilla of Vater

Malignant

Unresectable tumor (Distal CBD)

The surgical biliary bypass procedures

Choledochoduodenostomy

Choledochojejunostomy

Sphincteroplasty

Cholecystojejunostomy

Hepaticoduchojejunostomy