

Endoscopic Retrograde Cholangio-Pancreatography (ERCP)

KEY PROCEDURE HIGHLIGHTS

Combine upper gastrointestinal (GI) endoscopy and x-rays to examine and treat conditions of the bile and pancreatic ducts.

2

1

Commonly used to remove bile duct stones and treat obstructive jaundice caused by bile duct strictures.1

3

Less invasive option compared with open surgery.5





Gleneagles Hospital SINGAPORE









WHAT IS ENDOSCOPIC RETROGRADE CHOLANGIO-PANCREATOGRAPHY (ERCP)?

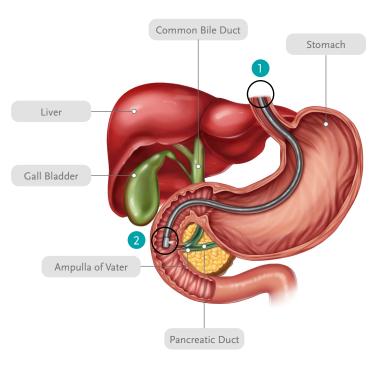
ERCP is a procedure to examine, diagnose and treat conditions of the pancreas or bile ducts.

HOW IT WORKS

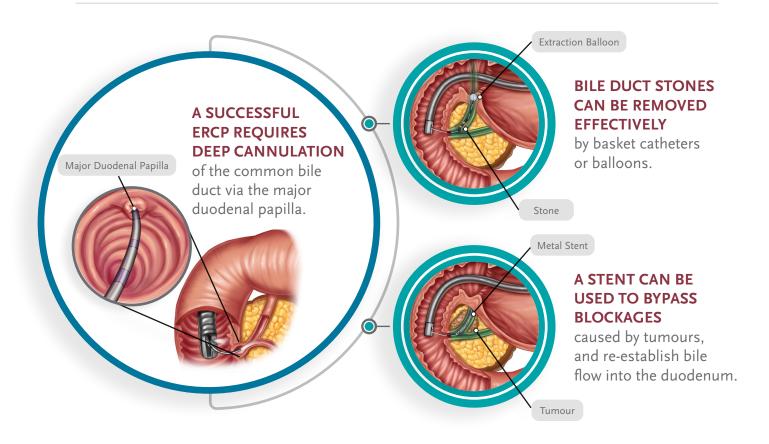
A bendable, lit tube (endoscope) is placed through the mouth, into the stomach and first part of the small intestine (duodenum).

2 In the duodenum, a small plastic tube (cannula) is passed through the endoscope and into a small opening (ampulla).

Dye (contrast material) is injected and X-rays are taken to study the ducts of the pancreas and liver.²



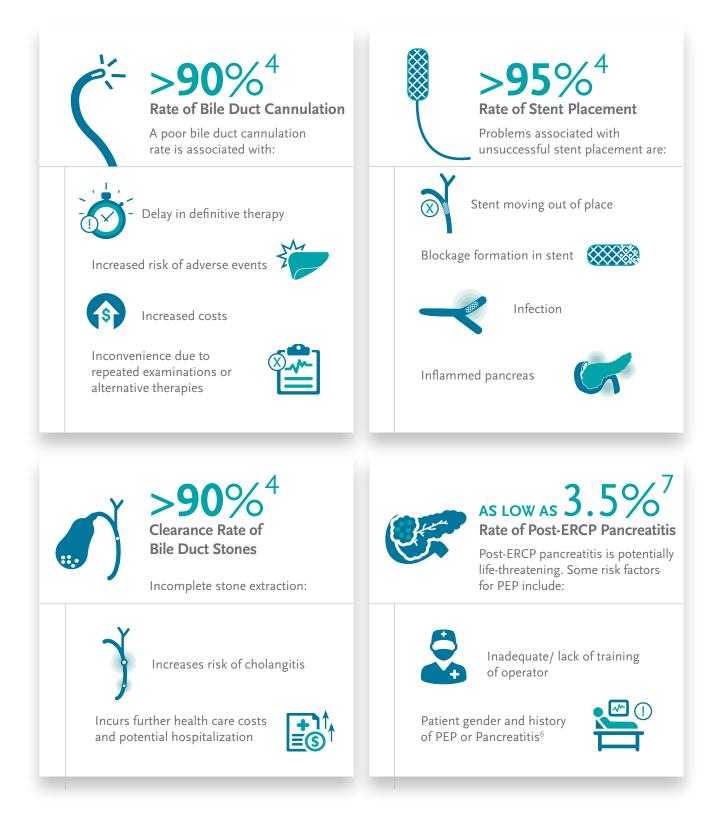
UNDERSTANDING KEY PERFORMANCE MEASURES OF ERCP



CLINICAL STATISTICS USED BY PARKWAY SPECIALISTS

Only gastroenterologists who undergo sub-specialization in advanced endoscopy, specifically in the field of ERCP are certified and accredited to perform ERCP in Parkway Hospitals Singapore. Our gastroenterologists meet the ESGE guidelines and strive to exceed these performance measures.

ERCP CLINICAL STATISTICS



THERAPEUTIC TREATMENTS OF ERCP



Removal of Bile Duct Stones

ERCP can be used with a gallbladder surgery to fully remove bile duct stones.



Stent Placement for Bile Duct Obstruction

Bile duct tumours can be diagnosed and stents can be placed to bypass blockages of the bile duct. This helps to relieve jaundice before a surgery and drain bile for advanced cancer where surgery cannot be performed.



Sphincterotomy

This involves making a small incision in the opening of the pancreatic duct or the bile duct, which can help small gallstones, bile, and pancreatic juice to drain appropriately.



Treatment of Pancreatic Diseases²

Pancreatic Duct Stones

ERCP provides direct access to the pancreatic duct to remove pancreatic duct stones.

Pancreatic Duct Leaks

Pancreatic duct leaks can often be treated with endoscopic placement of transpapillary stents in a manner similar to the use of biliary stents for closing bile duct leaks.

Pseudocysts

Endoscopic drainage and management of the pseudocyst is a less invasive alternative to surgical treatment.

REFERENCES

- 1. Katzarov AK, Dunkov ZI, Popadiin I, Katzarov KS. How to measure quality in endoscopic retrograde cholangiopancreatography (ERCP). Annals of Translational
- Christodoulou DK. Role of endoscopic retrograde cholangiopancreatography in pancreatic diseases. World Journal of Gastroenterology. 2010;16(38):4755. doi:10.3748/wjg.v16.i38.4755
- 3. Medicine. 2018;6(13):265-265. doi:10.21037/atm.2018.05.01
- Baiu I, Visser B. Endoscopic Retrograde Cholangiopancreatography. Jama. 2018;320(19):2050. doi:10.1001/jama.2018.14481
- Domagk D, Oppong K, Aabakken L, et al. Performance measures for ERCP and endoscopic ultrasound: a European Society of Gastrointestinal Endoscopy (ESGE) Quality Improvement Initiative. Endoscopy. 2018. doi:10.1055/a-0749-8767
- 6. https://www.mayoclinicproceedings.org/article/S0025-6196(16)30718-2/fulltext
- Dumonceau J-M, Kapral C, Aabakken L, et al. ERCP-related adverse events: European Society of Gastrointestinal Endoscopy (ESGE) Guideline. Endoscopy. 2019;52(02):127-149. doi:10.1055/a-1075-4080

IHH Healthcare has a global network of 83 hospitals and ancillary services in 10 countries.

As a patient at Gleneagles Hospital Singapore, Mount Elizabeth Hospital, Mount Elizabeth Novena Hospital and Parkway East Hospital, you enjoy easy access to a full spectrum of integrated healthcare services under the IHH Healthcare ecosystem.

LENGTH OF STAY

1 - 2 Days

in a standard ward

For more information, contact us at:



Content in this brochure has been compiled by IHH Healthcare Singapore and contributed by its group of specialists for informational purposes only and does not constitute medical advice and should not be used for medical diagnoses. Every care has been taken in its preparation, however, IHH Healthcare Singapore takes no representations and gives no warranties of whatever nature in respect of these documents. This is including but not limited to the accuracy or completeness of any information and/or facts contained therein. All images are the property of IHH Healthcare Singapore.