

# **Division of Hepatobiliary and Pancreas surgery**

## **Seoul National University Hospital**

### **(Specialty: Biliary Pancreas Surgery)**

#### **Introduction**

Division of hepatobiliary pancreas surgery in Seoul National University Hospital has been a national center of excellence in liver transplantation and biliary pancreas surgery, and has led the development of hepatobiliary pancreas surgery in Korea. Division of hepatobiliary and pancreas surgery in Seoul National University Hospital has also maintained a leadership role of training medical students, residents, and fellows in the fields of HBP surgery. Division of HBP surgery is currently working in two parts: Subdivision of liver transplantation and biliary pancreas surgery. Each subdivision are leading each surgical fields and has conducted more than 5000 cases of pancreatic resection, more than 600 cases of robotic surgery in this field.

#### **Session 1: Biliary & pancreas surgery**

Many biliary and pancreas surgeries had been performed for the first time in Korea at SNUH. In 1961, the first pancreaticoduodenectomy in Korea was performed; in 1990, pylorus preserving pancreaticoduodenectomy; in 1995, duodenum preserving pancreas head resection; and recently in 2002, laparoscopic choledochal cyst excision. Since 1980's, we have organized a biliary-pancreas-specialized surgical team to performed more precise and up-graded management for patients and to study biliary-pancreas diseases to improve the health community and the world. Now we have achieved the 5000 cases of pancreas resection, which is the Korea's first record and the world's 5<sup>th</sup>.

The SNUH biliary pancreas surgical center is one of the few centers that perform the minimally approach surgery including laparoscopic and robotic surgery in the field of biliary-pancreas disease. We have performed the over 100 cases of the laparoscopic and robotic hybrid pancreaticoduodenectomy for the first time in Korea and performed the robotic extended cholecystectomy and the robotic choledochal cyst excision which were also the first cases in Korea. In 2019, we achieved 600 cases of robotic biliary pancreas surgeries. Our procedures have been well-organized through hundreds of cases, as a result, we can successfully provide the safe and satisfied minimally approach surgery even to patients with biliary pancreas diseases.

In Pre/Postoperative management, we collaborated with gastroenterologist, oncologist, interventionist, intensivist, pathologist, endoscopist, coordinator, pharmacologist, and other divisions that related with patient's management. And also multidisciplinary meeting were held every day for discussing the pre-operative patients for risk evaluation.

In Academic area, we now proceed several clinical trials and journal meeting for sharing recent knowledge about biliary and pancreas diseases. We have published more than 200 articles that related with pancreatic cystic diseases, pancreatic cancer, and biliary diseases and so on since 2010

In Education area, we have held HBP workshop annually since 2010. We shared our know-how and surgical tips to participant in these workshop. More than 120 participants from several countries joined these workshop program.

## Session 2: Visiting fellowship program

### Objectives:

- To acquire the basic knowledge as a specialist in biliary pancreas surgery
- To experience biliary & pancreas surgery
- To raise the capacity as a good biliary & pancreas surgeon

### Duties

- Participation in the daily regular ward round in general ward to discuss general ward care
- Participation in the daily intensive care round in intensive care unit to discuss ICU care
- Participation of daily surgery in the operation room to observe and discuss of the surgical methods, techniques
- Participation in the conference meeting in every morning
- Participation the journal meeting in every Monday morning

### Purposes

- Understanding of postoperative management after biliary pancreas surgery
- Understanding of surgical strategy in biliary & pancreas diseases
- Understanding of surgical technique in biliary & pancreas surgery

### Group discussion

- Lectures and study visit
- Getting implications through Korea's experiences

#Hepatobiliary and pancreas surgery training course

	Contents	Purpose
Day 1	Biliary and pancreas operation	Principle of pancreatectomy Introduction of robotic surgery in biliary and pancreas area
Day 2	Pylorus preserving pancreaticoduodenectomy (Hybrid-Robot/laparoscopy)	Understanding of operation biliary pancreas surgery Introduction of operative techniques in robotic surgery
Day 3	Pancreatectomy (open/laparoscopy/Robotic)	Understanding of surgical technique of pancreatectomy Introduction of operative techniques in laparoscopy

\*The above schedule may be adjusted according to circumstances.

#Conference and Rounding for training course

	Morning	Afternoon	Evening
Mon	7:00 Biliary pancreas conference 8:00 Participation of Journal and Lab meeting		
Tue	Participation of operation (Pancreas & Biliary surgery including PPPD)	5:00 Participate in the Mutidisciplinay meeting	
Wed	7:00 Surgical grand round Participation of operation	Participation operation (Robotic surgery)	

\*The above schedule, especially robotic surgery, may be adjusted according to circumstances.

## ##Faculties

Name	Position	E-mail
Jin-Young Jang	Professor	<a href="mailto:jangiy4@gmail.com">jangiy4@gmail.com</a>
Wooil Kwon	Clinical assistant professor	<a href="mailto:willdoc78@gmail.com">willdoc78@gmail.com</a>
Hongbeom Kim	Clinical assistant professor	<a href="mailto:surgeonkhb@gmail.com">surgeonkhb@gmail.com</a>

## #Contact

Jin-Young Jang [jangiy4@gmail.com](mailto:jangiy4@gmail.com)

Hongbeom Kim [surgeonkhb@gmail.com](mailto:surgeonkhb@gmail.com)