

Division of Hepatobiliary and Pancreas surgery

Seoul National University Hospital

(Specialty: Liver & Transplantation)

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 130 cases of liver transplantation, more than 400 cases of liver resection annually.

Session 1: Liver transplantation

Since March 1988, Professor Soo-Tae Kim of the Department of Surgery, Seoul National University Hospital, succeeded in liver transplantation for the first time in Korea for a 14-year-old girl with Wilson's disease. The success rate of transplantation in Korea was 76.8% in the early 80s-90s, but since 2000, the success rate began to increase rapidly. The success rate of adult liver transplantation, which is known to be the most demanding of liver transplantation techniques, was 98.4% in 2007, 100% in 2008, and 99.2% in 2009, with an average success rate of over 99%. This is better than the average success rate of 85% in developed countries such as Germany and the US, which started liver transplantation earlier than Korea. In addition, it takes 12 hours on average for liver transplantation in foreign countries, but liver transplantation takes 6-7 hours on average.

In donor surgery, pure laparoscopic donor hepatectomy has been performed since 2015 and this technique is the world's best quality. Seoul National University Hospital has successfully performed more than 1000 donor hepatic resections, and has performed more than 100 laparoscopy for the first time in the world to consider the recovery of donors. In 2019, we achieved the world's first 300 cases of pure laparoscopic donor surgery. As a result, we are visiting Korea to learn about Korea's transplantation techniques in countries such as Taiwan, Mongolia, Japan, China, Australia, and Kazakhstan

In Pre/Post transplant management, we collaborated with hepatology, 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 transplantation. We have published more than 160 articles that related with hepatocellular carcinoma, liver transplantation, and laparoscopic surgery and so on since 2010

In Education area, we have held deceased donor surgical skill workshop and liver resection animal workshop 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 annually.

Session 2: Visiting fellowship program

Objectives:

- To acquire the basic knowledge as a liver transplant specialist
- To experience liver & transplant surgery
- To raise the capacity as a good liver & transplant 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 Wednesday morning

Purposes

- Understanding of ICU management after liver transplantation
- Understanding of surgical strategy in Liver diseases
- Understanding of surgical technique in liver resection and transplantation

Group discussion

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

#Hepatobiliary and pancreas surgery training course

	Contents	Purpose
Day 1	Liver transplantation Pure laparoscopic Donor hepatectomy Living donor liver transplantation	Principle of living donor liver transplantation Introduction of Pure laparoscopic donor hepatectomy
Day 2	Pylorus preserving pancreaticoduodenectomy (Hybrid-Robot/laparoscopy)-collaboration with BP surgeon	Understanding of operation biliary pancreas surgery Introduction of operative techniques in robotic surgery
Day 3	Liver resection (open/laparoscopy/Robotic)	Understanding of surgical technique of liver resection 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	8:15 Angio-intervention conference 9:00 ICU rounding(SICU) 10:00 Participation of operation (Pure laparoscopic donor hepatectomy)	Participation of operation (Living donor liver transplantation-recipient)	
Tue	8:15 Radiology conference (Cancer hospital) 9:00 Participation of operation (PPPD/Robotic cholecystectomy)	Participation operation (PPPD/Robotic cholecystectomy) 4:30 Participate in the Grand rounding & Pre-transplant meeting	7:00 Staff Lecture and dinner
Wed	8:15 Liver conference (Cancer hospital) 9:00 Participation of Journal and lab meeting	Participation operation (Liver resection) 4:30 Participate in the ward rounding	

*The above schedule may be adjusted according to circumstances.

Staff lectures

Overview of HBP disease

Surgical strategies of LDLT and donor surgery

Surgical techniques of HBO surgery& Robotic surgery

Postoperative ICU care

##Faculties

Faculties:

Kyung-Suk Suh

Professor

E-mail

kssuh2000@gmail.com

Kwang-Woong Lee

Professor

kwleegs@gmail.com

Jin-Young Jang

Professor

jangjy4@gmail.com

Nam-Joon Yi

Professor

gsleenj@gmail.com

Wooil Kwon

Clinical assistant professor

willdoc78@gmail.com

Suk Kyun Hong

Clinical assistant professor

nobel1210@naver.com

Hongbeom Kim

Clinical assistant professor

surgeonkhb@gmail.com

#Contact

*Liver: Kyung-Suk Suh kssuh2000@gmail.com

Jeong-Moo Lee lulu5050@naver.com

*Biliary-Pancreas: Jin-Young Jang jangjy4@gmail.com

Hongbeom Kim surgeonkhb@gmail.com