

# Expert Consensus Meeting: Precision Anatomy for Minimally Invasive HBP Surgery (PAM-HBP Surgery) Project

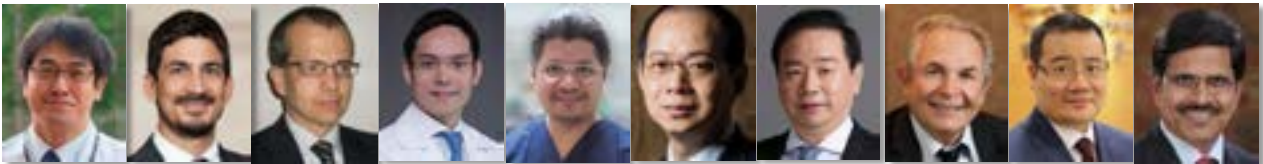
Liver: February 23 (Tue.) 19:00-21:00 [Room 2]

Pancreas: February 24 (Wed.) 19:00-21:00 [Room 2]

Faculty Members:



Akihiko Tsuchida (Congress Chairman) Masafumi Nakamura (Principal Investigator) Go Wakabayashi (Principal Investigator) Itaru Endo (President of JSHBPS) Masakazu Yamamoto (Former president of JSHBPS) Yuichi Nagakawa (Head of the Secretariat) Yuta Abe Mohammed Abu Hilal Takeshi Aoki Horacio J. Asbun



Daisuke Ban Giammauro Berardi Ugo Boggi Albert C.Y.Chan Rawisak Chanwat KuoHsin Chen Yajin Chen Daniel Cherqui Tan To Cheung Palanivelu C. Chinnusamy



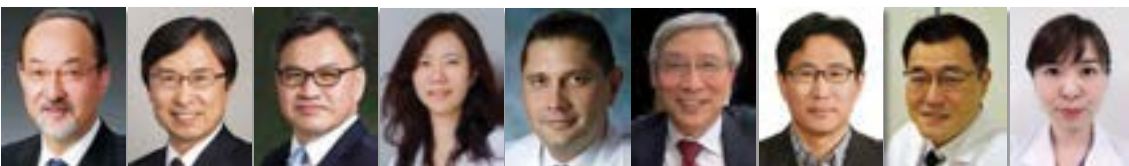
Ruben Ciria David Fuks David A. Geller Brian K.P. Goh Naoto Gotohda Ho-Seong Han Kiyoshi Hasegawa Etsuro Hatano Jin He Goro Honda



Yukio Iwashita Osamu Itano Jin-Young Jang Hironori Kaneko Chang Moo Kang Yutaro Kato Michael L. Kendrick Ji Hoon Kim David A. Kooby Rong Liu



Santiago López-Ben Kazuteru Monden Mamoru Morimoto Yoshiharu Nakamura Kohei Nakata Takao Ohtsuka Fernando Rotellar Yoshihiro Sakamoto Shailesh V. Shrikhande Atsushi Sugioka



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## Faculty Members

### (Congress Chairman)

Akihiko Tsuchida (Department of Gastrointestinal and Pediatric Surgery, Tokyo Medical University)

### (Principal Investigator of PAM-HBP Surgery)

Masafumi Nakamura (Department of Surgery and Oncology Graduate School of Medical Sciences Kyushu University)

Go Wakabayashi (Center for Advanced Treatment of HBP Diseases, Ageo Central General Hospital)

### (President of JSHBPS)

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### (Former President of JSHBPS)

Masakazu Yamamoto (Department of Surgery, Institute of Gastroenterology, Tokyo Women's Medical University)

### (Head of the Secretariat)

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- Yutaro Kato (Department of Surgery, Fujita Health University)
- Michael L. Kendrick (Department of Surgery, Mayo Clinic College of Medicine)
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- Yoshiharu Nakamura (Department of Gastrointestinal and Hepatobiliary Pancreatic Surgery, Nippon Medical School)
- Kohei Nakata (Department of Surgery and Oncology, Kyushu University)
- Takao Ohtsuka (Department of Digestive Surgery, Breast and Thyroid Surgery, Kagoshima University)
- Palanivelu CENTRE Chinnusamy (GEM Hospital and Research Centre)
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- Shailesh V. Shrikhande (Department of Gastrointestinal and Hepato-Pancreato-Biliary Surgical Oncology, Tata Memorial Hospital)
- Atsushi Sugioka (Department of Surgery, Fujita Health University)
- Kyoichi Takaori (Nagahama City Hospital)
- Minoru Tanabe (Department of Hepatobiliary and Pancreatic Surgery, Tokyo Medical and Dental University)
- Chung-Ngai Tang (Department of Surgery, Pamela Youde Nethersole Eastern Hospital)
- Shin-E Wang (Department of Surgery, Taipei Veterans General Hospital)
- Christopher L. Wolfgang (Department of Surgery, New York University Langone Health)
- Anusak Yiengpruksawan (Capital Health Cancer Center)
- Yoo-Seok Yoon (Department of Surgery, Seoul National University Bundang Hospital)
- Tomoharu Yoshizumi (Department of Surgery and Science, Kyushu University)

**(Secretariat)**

- Hitoe Nishino (Department of Gastrointestinal and Pediatric Surgery, Tokyo Medical University)

## Aim of PAM-HBP Surgery Project:

This project is aimed to clarify what kinds of approaches and anatomical landmarks are useful to safely perform minimally invasive HBP (MI-HBP) surgery. We also would like to clarify terminology which is essential to discuss on approaches and landmarks for MI-HBP surgery.

## PAM-HBP Surgery Project – Liver Group

February 23 (Tue.) 19:00-21:00 [Room 2]

Main Theme: How to safely perform minimally invasive anatomic liver resection (MIALR)

**Chairpersons** Go Wakabayashi  
Daniel Cherqui  
David A. Geller

**Opening Remarks** Akihiko Tsuchida  
Go Wakabayashi

**Methodology** Hitoe Nishino

### Session 1: Hepatic Inflow "Glissonean approach during MIALR"

**Presentator** Naoto Gotohda

CQ1-1 Is Glissonean approach preferable for MIALR?

CQ1-2 What are the important anatomical structures and techniques to safely perform the Glissonean approach during MIALR?

**Expert Comments** Mohammed Abu Hilal  
Horacio J. Asbun  
Giammauro Berardi  
Daniel Cherqui  
Naoto Gotohda  
Ho-Seong Han  
Yutaro Kato  
Mamoru Morimoto  
Atsushi Sugioka  
Fernando Rotellar

### Session 2: Hepatic Outflow "Hepatic vein guided approach during MIALR"

**Presentator** Goro Honda

CQ2-1 What are the important anatomical structures and techniques to safely expose the root of the main hepatic veins during MIALR?

CQ2-2 Is the hepatic vein guided approach preferable for MIALR?

CQ2-3 What are the preferable techniques to safely perform the hepatic vein guided approach during MIALR?

**Expert Comments** Rawisak Chanwat  
David A. Geller  
Kiyoshi Hasegawa  
Etsuro Hatano  
Goro Honda  
Yukio Iwashita  
Hironori Kaneko  
Ji Hoon Kim  
Rong Liu  
Kazuteru Monden

Minoru Tanabe  
Go Wakabayashi

**Session 3: Segment / Section "Anatomic / Non anatomic liver resection"**

**Presentator** Yuta Abe

CQ3-1 What defines intersegmental / sectional planes and what helps to determine them during MIALR?

CQ3-2 What are the useful techniques to decide liver transection line during MI-non anatomic liver resection (MINALR)?

**Presentator** Go Wakabayashi

Terminology Tokyo 2020: What is 'Anatomic liver resection?'

**Expert Comments** Yuta Abe  
Mohammed Abu Hilal  
Takeshi Aoki  
Giammauro Berardi  
Albert C. Y. Chan  
Kuo-Hsin Chen  
Yajin Chen  
Tan To Cheng  
Daniel Cherqui  
Ruben Ciria  
David Fuks  
David A. Geller  
Kiyoshi Hasegawa  
Etsuro Hatano  
Osamu Itano  
Hironori Kaneko  
Santiago López-Ben  
Yoshihiro Sakamoto  
Tomoharu Yoshizumi  
Go Wakabayashi

**Closing Remarks** Go Wakabayashi

**PAM-HBP surgery project – Pancreas Group**

February 24 (Wed.) 19:00-21:00 [Room 2]

Main Theme: How to safely perform minimally invasive pancreaticoduodenectomy (MIPD) and minimally invasive distal pancreatectomy (MIDP)

Chairpersons	Masafumi Nakamura Yuichi Nagakawa
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Opening Remarks	Akihiko Tsuchida Masafumi Nakamura
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Methodology	Hitoe Nishino
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**Session 1: MIPD Anatomy**

Presentator	Kohei Nakata
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## Terminology

## Arterial and Venous Patterns

CQ1-1     What are arterial and venous patterns to be aware of to safely perform minimally invasive pancreaticoduodenectomy?

Expert Comments	Horacio J. Asbun Ugo Boggi Jin He Masafumi Nakamura Kohei Nakata Chung-Ngai Tang Christopher Lee Wolfgang
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**Session 2: MIPD Approach**

Presentator	Yuichi Nagakawa
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## Approach and Landmarks

CQ1-2     What is a useful approach to safely perform minimally invasive pancreaticoduodenectomy?

CQ1-3     What are the important landmarks to be identified when first approaching the superior mesenteric artery to safely perform minimally invasive pancreaticoduodenectomy?

Expert Comments	Palanivelu Chinnusamy Michael L. Kendrick Rong Liu Yuichi Nagakawa Masafumi Nakamura Kyoichi Takaori Shin-E Wang
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### Session 3: MIDP Anatomy

**Presentator** Takao Ohtsuka

#### Terminology

#### Arterial and Venous Patterns

CQ2-1 What are arterial and venous patterns to be aware of to safely perform minimally invasive distal pancreatectomy?

CQ2-2 What blood vessels should be preserved to avoid postoperative complications in spleen preserving distal pancreatectomy and Warshaw's procedure?

**Expert Comments** Brian K.P. Goh  
David A. Kooby  
Yoshiharu Nakamura  
Takao Ohtsuka  
Shailesh V. Shrikhande  
Yoo-Seok Yoon

### Session 4: MIDP Approach

**Presentator** Daisuke Ban

#### Approach and Landmarks

CQ2-3 What is a useful approach to safely perform minimally invasive distal pancreatectomy?

CQ2-4 What are the important anatomical structures to be identified when dissecting the posterior side of the pancreas in minimally invasive distal pancreatectomy?

**Expert Comments** Mohammed Abu Hilal  
Daisuke Ban  
Goro Honda  
Jin-Young Jang  
Chang Moo Kang  
Anusak Yiengpruksawan

**Closing Remarks** Masafumi Nakamura