

5th International Forum of Liver Surgery

2012, March 24-25, Akita, Japan

Congress president: Yuzo Yamamoto



Liver Surgery in the coming decade

March 24

Session 1: Liver resection 1

Chairpersons: **Golling M**, Schwäbisch Hall, Germany
Terajima H, Osaka, Japan

1. **Shimahara Y**, Okuyama H, Nara, Japan
Clinical significance of serum type IV collagen level in liver surgery and improvement of liver damage by controlling stellate cell activation
2. **Baumgart J**, Lang H, Mainz, Germany
In-situ-split procedure: a new surgical approach to induce fast liver regeneration which enables curative liver resection in patients with extended tumor masses
3. **Stavrou GA**, Donati M, Oldhafer KJ, Hamburg, Germany
A new concept to extend resectability of liver tumours: two stage surgical strategy using an in-situ-split procedure
4. **Kudo D**, Toyoki Y, Ishido K, Kimura N, Narumi S, Hakamada K, Hirosaki, Japan
Impact of Sonazoid-enhanced intraoperative ultrasound on the surgical management of colorectal liver metastases

Session 2: Liver resection 2

Chairpersons: **Hakamada K**, Hiroasaki, Japan
Barmgard J, Mainz, Germany

5. **Pai M**, Frampton AE, Mikhail S, Resende V, Kornasiewicz O, Spalding DR, JiaoLR, Habib NA, London, UK
Radiofrequency assisted liver resection: analysis of 604 consecutive cases
6. **Iida T**, Terajima H, Kawamoto H, Toda R, Inoue Y, Kadono K, Nomura A, Ueda S, Osaki N, Osaka, Japan
Intraoperative conversion of hepatectomy procedure from S5+S6 resection to S5+S6+S7 resection: decision-making approach and technical knacks
7. **Kaudel P**, Heinrich S, Gaßmann P, Mittler J, Baumgart J, Bartsch F, Lang H, Mainz, Germany
A single center experience of preoperative 3D imaging in patients with unresectable liver malignoms: Does it influence decision making?
8. **Saito S**, Hata K, Hirao H, Kageyama S, Tanaka H, Tomiyama K, Iwaisako K, Uchida Y, Yagi Y, Uemoto S, Kyoto, Japan
Association and dissociation between portal venous and biliary ramifications: Retrospective analysis of 385 consecutive living-donors for liver transplantation
9. **Fujimoto K**, Higashiyama H, Yamamoto M, Kobe, Japan
Surgical treatment for extraabdominal lymph node metastases from hepatocellular carcinoma

Luncheon Seminar 1:

Chairperson: **Yamamoto Y**, Akita, Japan

Professor Oldhafer KJ, Hamburg, Germany
Liver resection to marginally resectable CRC

Session 3: Liver resections after chemotherapy

Chairperson: **Ku Y**, Kobe, Japan
Habib N, London, UK

10. **Terajima H**, Iida T, Kawamoto H, Toda R, Inoue Y, Kadono K, Yoshitomi M, Nomura A, Ueda S, Osaki N, Osaka, Japan
Preoperative chemotherapy for colorectal liver metastases in a single institute experience
11. **Golling M**, Nordlinger B, Poston G et al. (for the ECMTG), Schwäbisch Hall, Germany
Chemotherapy prior to liver resection- data from the European colorectal metastases treatment group
12. **Bohórquez JMC**, Petersen M, Stavrou G, Stang A, Oldhafer KJ, Hamburg, Germany
Which tumor patient population is referred to an active HBP service? A prospective analysis of patient's characteristics including resectability rate
13. **Hatano E**, Tomiyama K, Nagata H, Narita M, Nishida H, Ishii T, Yagi S, Hata K, Taura K, Ogura Y, Uemoto S, Kyoto, Japan
Conversion surgical therapy combined with hepatic arterial infusion chemotherapy for initially unresectable advanced hepatocellular carcinoma with tumor thrombus in the inferior vena cava

Session 4: Ideas for damaged liver surgery 1

Chairpersons: **Tolba R**, Aachen, Germany
Uemoto S, Kyoto, Japan

14. **Golling M**, Schaudt A, Mehrabi A, Bechstein W, Schwäbisch Hall, Germany
Liver trauma- standard care and 1st use of a PGA-Felt (2cases)
15. **Kuramitsu K**, Hanto DW, Otterbein LE, Popov Y, Fukumoto F, Ku Y, Kobe, Japan
Failure of fibrotic liver regeneration in mice is linked to severe fibrogenic response driven by hepatic progenitor cell activation
16. **Bierwolf J**, Luetgehetmann M, S. Deichmann S, Erbes J, Volz T, Dandri M, Cohen S, Kalff JC, Pollok JM, Bonn, Germany
Human hepatocytes from metabolic disordered children recreate highly differentiated liver tissue-like spheroids on alginate scaffolds
17. **Nakamura K**, Hatano E, Narita M, Miyagawa-Hayashino A, Koyama Y, Nagata H, Iwaisako K, Taura K, Uemoto S, Kyoto, Japan
Sorafenib attenuates monocrotaline-induced sinusoidal obstruction syndrome in rat thorough suppression of JNK and MMP9
18. **Kudo K**, Uchinami H, Yamamoto Y, Akita, Japan
Nrf2 plays a protective role for hepatic ischemia-reperfusion injury in mice

Session 5: Ideas for damaged liver surgery 2

Chairpersons: **Spiegel HU**, Münster, Germany
Uchinami H, Akita, Japan

18. **Nagai K**, Yagi S, Afify M, Uemoto S, Tolba, RH, Aachen, Germany
The importance of hepatic arterial reconstruction in a rat model of partial orthotopic liver transplantation
20. **Yagi S**, Kadaba P, Afify M, Nagai K, Hata K, Uemoto S, Tolba R, Aachen, Germany
A novel organ preservation technique for small-for size graft in liver transplantation: Venous systemic nitric oxide with oxygen gaseous persufflation
21. **Yamanaka K**, Hatano E, Iguchi K, Toriguchi K, Tanabe K, Takemoto K, Nakamura K, Koyama N, Narita M, Hiromitsu N, Taura K, Uemoto S, Kyoto, Japan
Olprinone improves survival and preserves late phase microstructure in a rat small for size syndrome model
22. **Iguchi K**, Hatano E, Yamanaka K, Narita M, Sato M, Nagata H, Taura K, Uemoto S, Kyoto, Japan
Strategy for overcoming small-for-size syndrome by Olprinone, a selective PDE III inhibitor; from rat to human

March 25

Session 6: Bile duct surgery

Chairpersons: **Pollock J**, Bonn, Germany
Shimahara Y, Nara, Japan

24. **Saad S**, Strassel V, Martin C, Sauerland S, Cologne, Germany
Single port- versus Mini- versus conventional laparoscopic cholecystectomy- a blinded randomized controlled trial
24. **Taura K**, Ishii T, Hatano E, Uemoto S, Kyoto, Japan
3D image of hepatic hilum by CT cholangiography with carbon dioxide for preoperative assessment of biliary malignancies
25. **Palmes D**, Spiegel HU, Münster, Germany
A new technique for reconstruction of common bile duct by an autologous vein graft and a biodegradable endoluminal stent
26. **Uchinami H**, Yoshioka M, Watanabe G, Yamamoto Y, Akita, Japan

Reconstruction of the external iliac vein using an ePTFE graft in the patients of portal vein reconstruction interposing a segment of the autologous external iliac vein

Session 7: Laparoscopic liver surgery

Chairpersons: **Saad S**, Cologne, Germany
Hatano E, Kyoto, Japan

27. **Mittler J**, McGillicuddy JW, KD Chavin KD, H Lang H, Mainz, Germany
Laparoscopic liver resection in the treatment of hepatocellular carcinoma
28. **Toriguchi K**, Hatano E, Takemoto K, Tanabe K, Ishii T, Taura K, Uemoto S, Kyoto, Japan
The current status of laparoscopic liver resection in a single Japanese institution: A proposal for the classification of laparoscopic liver resection based on technical demand
29. **Urade T**, Tsuchida S, Kuramitsu K, Fukushima K, Tanaka M, Takahashi M, Kido M, Matsumoto I, Ajiki T, Fukumoto T, Ku Y, Kobe, Japan
Feasibility to use a newly-developed Endoractor® for laparoscopic hepatectomy
30. **Takahashi M**, Takeda D, Itabashi H, Hasegawa Y, Takahara T, Ito N, Nitta H, Wakabayashi G, Morioka, Japan
Laparoscopy-assisted living donor hepatectomy
31. **Kim HJ**, Son SH, Yun SS, Lee DS, Lee DH, Daegu, Korea
Single center experience of laparoscopic hepatectomy: The comparison of perioperative outcomes between early and late period

Luncheon Seminar 2:

Chairperson: Oldhafer KJ, Hamburg, Germany

Professor Wakabayashi G, Morioka, Japan
Laparoscopic anatomical resection for HCC