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

   Impact of Sonazoid-enhanced intraoperative ultrasound on the surgical management of colorectal liver metastases
Session 2: Liver resection 2

Chairpersons: Hakamada K, Hirosaki, Japan  
Barmgard J, Mainz, Germany

Radiofrequency assisted liver resection: analysis of 604 consecutive cases

Intraoperative conversion of hepatectomy procedure from S5+S6 resection to S5+S6+S7 resection: decision-making approach and technical knacks

A single center experience of preoperative 3D imaging in patients with unresectable liver malignoms: Does it influence decision making?

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

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

Which tumor patient population is referred to an active HBP service? A prospective analysis of patient's characteristics including resectability rate

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
Liver trauma- standard care and 1st use of a PGA-Felt (2 cases)

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

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  
through 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

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**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

A novel organ preservation technique for small-for-size graft in liver transplantation:  
Venous systemic nitric oxide with oxygen gaseous persufflation

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

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**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

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

Feasibility to use a newly-developed Endoractor® for laparoscopic hepatectomy

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