High-risk liver surgery and transplantation

April 14

Session 1: Basic science knowledge of interests

Chairpersons: Terajima H, Fukui, Japan

Tolba R, Bonn, Germany

1. Sugiura R, Osaka, Japan
   Targeted molecular therapy for cancer: Hot drugs in cancer

2. Takahashi T, Yoshioka M, Uchinami H, Yamamoto Y, Akita, Japan
   Gliotoxin prevents ischemia-reperfusion injury of rat livers

3. Hata K, Wei L, Minor T, Yamamoto Y, Tolba R, Bonn, Germany
   Intestinal ischemic preconditioning as remote preconditioning to the liver: Impact of the gut protection and signal cross-talk between the gut and the liver

4. Kikuchi I, Iwasaki W, Uchinami H, Yamamoto Y, Akita, Japan
   Limited apoptosis in HNBD livers during UW storage does not implicate better preservation

5. Tolba R, Hata K, Wei L, Yonezawa K, Yamamoto Y, Bonn, Germany
   Resuscitation of marginal donor grafts for liver transplantation: from Bench to bedside

Sponsored lecture

Chairperson: Ku Y, Kobe, Japan
Sir Roy Calne, Cambridge, UK

History of immunosuppressive agents

Session 2: High-risk liver resection for primary liver tumors

Chairpersons: Yamamoto Y, Akita, Japan
Ko S, Nara, Japan

   Complete response of recurrence HCC induced by percutaneous isolated hepatic perfusion (PIHP) in patient with liver transplantation

7. Terajima H, Uryuhara K, Okada N, Wada M, Hosotani R, Kobe, Japan
   Hepatic resection for hepatocellular carcinoma with impaired liver function – our experiences in Kobe city general hospital

8. Uchimani H, Iida M, Sato T, Yamamoto Y, Akita, Japan
   Complete response of recurrence HCC induced by percutaneous isolated hepatic perfusion (PIHP) in patient with liver transplantation

9. Kim KH, Lee SG, Seoul, Korea
   Prognosis of hepatocellular carcinoma with portal vein tumor thrombus

10. Komatsu S, Fukumoto T, Tominaga M, Iwasaki T, Kusunoki N, Hishikawa Y, Kobe, Japan
    Particle therapy for HCC: Clinical results of 103 cases

    Approaches for resection of large primary hepatic tumors

Session 3: High-risk liver resection for metastatic liver tumors

Chairpersons: Nakajima Y, Nara, Japan
Stavrou G, Celle, Germany

    Liver injury after chemotherapy in patients with liver metastasis from colorectal cancer

    Systemic chemotherapy with gemcitabine and S-1 for advanced biliary tract cancer

14. Stavrou G, Tzias T, Oldhafewr KJ, Celle, Germany
    Experience with the Habib Sealer for liver resection

15. Iwasaki T, Tominaga M, Fukumoto T, Kusunoki N, Ajiki T, Ku Y, Kobe, Japan
    Where is the limit of surgery for bilober metastatic liver tumors – Report of representative cases

April 15

Session 4: High-risk liver transplantation (high MELD, small for size, etc)

Chairpersons: Kiuchi Y, Nagoya, Japan
Lee SG, Seoul, Korea

16. Lee SG, Seoul, Korea
    Technique, outcome and current policy for small-for-size graft in living donor liver transplantation in Asan Medical Center

17. Fujimoto Y, Yamamoto H, Kamei H, Nagai S, Kumasawa K, Nakamura T, Kiuchi T, Nagoya, Japan
    Partial portacaval shunting (PPCS) for small-for-size graft in living donor liver transplantation – Advantages and pitfalls-

18. Furukawa H, Sapporo, Japan
    Strategy for small-for-size graft in living donor liver transplantation

19. Takada Y, Uemoto S, Kyoto, Japan
    Living donor liver transplantation for high-risk cases

20. Marubashi S, Nagano H, Kobayashi S, Miyamoto A, Takeda Y, Umeshita K, Dono K,
Monden M, Osaka, Japan
Living donor liver transplantation with renoportal anastomosis for patients with large spontaneous splenorenal shunts

Relevance of plasma ADMTS13 activity to adverse events after liver transplantation

Session 5: Computer-assisted liver surgery
Chairpersons: Oldhafer KJ, Celle, Germany
Furukawa H, Sapporo, Japan

22. Bourquain H, Oldhafer KJ, Stavrou G, Peitgen HO, Celle, Germany
Computer simulation for liver surgery by the MeVis system: The principles and engineering

23. Nagano T, Tokyo, Japan
Liver segmentation software

Computer simulation for liver surgery by the MeVis system: Technical relevance and current limitation

Surgical planning using virtual segmental volumetry for resection of hepatocellular carcinoma