

# PROGRAM



Medical University of Graz



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## 8<sup>th</sup> International Forum of Liver Surgery

*Multidisciplinary - a part of Modern Liver Surgery*

**Date:** May 26<sup>th</sup>-27<sup>th</sup>, 2018  
**Location:** Medical University of Graz,  
Auenbruggerplatz 15  
Graz, Austria



**Department of Surgery**  
**Division of Transplant Surgery**  
**TRANSPLANT CENTER GRAZ (TCG)**



# Welcome

Dear colleagues and friends,  
ladies and gentlemen

it is both an honour and great pleasure to welcome you, to the 8<sup>th</sup> International Forum of Liver Surgery of The Japanese-German Society for the Study of Liver Surgery (JGSSLS) which will be held for the first time outside Japan and Germany in Graz, Austria. This is a wonderful gesture of the prestigious society and a sign for a more international approach in a highly sophisticated field like liver surgery.



Thus we are very proud to host colleagues from all over the world including Austria, China, England (UK), Germany, Greece, Japan, Lithuania, and Turkey.

Liver surgery has dramatically developed over the past decades. An interdisciplinary management of liver diseases has become increasingly important. Thus the program of this conference comprises both experimental and clinical sessions towards indications, technologies, multimodal treatment and complication management in liver surgery including transplantation as highlighted in the conference title "multidisciplinary – a part of modern liver surgery".

The JGSSLS Liver Forum traditionally offers the possibility to network with colleagues from abroad. There has been a huge response to the call for abstracts as this meeting offers a great platform for young and emerging researchers to showcase their work. We would like to give our special welcome to the younger colleagues who represent the future of our association. We wish us all an outstanding meeting and do hope that everyone will enjoy the stay in Graz. May you return home with many inspiring ideas for your work, new contacts and wonderful memories of Graz!

*Univ.-Prof. Prof. (hon.) Dr. med. Dr. h.c. Peter Schemmer*  
Congress President

A handwritten signature in purple ink, appearing to read 'P. Schemmer', written in a cursive style.

*Assoc. Prof. PD Dr. Philipp Stiegler*  
Congress Secretary

A handwritten signature in blue ink, appearing to read 'P. Stiegler', written in a cursive style.

Ladies and Gentlemen,  
dear Participants!

It is a great honor for the Medical University of Graz to host the 8<sup>th</sup> International Forum of Liver Surgery. Multidisciplinarity, international collaboration and exchange of expertise are indispensable for any contemporary approach in cutting-edge medicine and clinical research – even more so in a challenging field like liver surgery.



Bringing people together, giving them a forum to exchange knowledge and ideas is what creates innovation.

We thank Prof. Schemmer and Prof. Stiegler for organizing this congress, aiming to be a platform for exactly that. We wish all of you inspiring sessions and stimulating discussions to lay the ground for fruitful collaborations.

On behalf of the rectorate

*Univ.-Prof. Dr. Hellmut Samonigg*  
Medical University of Graz, Rector

A handwritten signature in black ink, appearing to read 'H. Samonigg'.

Dear Participants, Ladies and Gentlemen!

Liver surgery is one of the most challenging procedures in surgery and plays therefore in the high-end class of this speciality an important role in academic visceral surgery.

Together with liver transplantation it is indeed the role model of what modern surgery is offering today.

We have therefore to congratulate Prof. Schemmer and Prof. Stiegler for organizing this 8<sup>th</sup> International Forum of Liver Surgery. I wish a full success, interesting discussions, and pleasant days in Graz.

*Univ.-Prof. Dr. KH. Tscheliessnigg*  
CEO Steiermärkische Krankenanstaltengesellschaft m.b.H. (KAGes)



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A handwritten signature in blue ink, appearing to be 'KH. Tscheliessnigg', written over the typed name.

Dear Participants, Ladies and Gentlemen!

It is a great pleasure and sincere honour to host the 8<sup>th</sup> International Forum of Liver Surgery here in Graz, in Styria in the Middle of Europe.

As internationality has always been an important issue of our country and we are very proud to host colleagues from all over the world including Austria, China, England (UK), Germany, Greece, Japan, Lithuania, and Turkey.



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High-end surgery needs internationality for discussion and self-reflection. Therefore it is of utmost importance for our location and our University Clinic of Surgery in Graz, Austria to have you here.

I wish the organizers and all participants fruitful discussions and a nice stay in our wonderful country.

*Christopher Drexler*

Minister for culture, healthcare, nursing and human resources

# Program

**May 26<sup>th</sup>, 2018**

**07.30-17.30 Registration**

## **1<sup>st</sup> session**

**08.00-09.50 Resection Techniques (Video Session)**

Chair: Y. Yamamoto, P. Schemmer

**08.00-08.20 Liver resection techniques**

P. Schemmer, Graz / Austria

**08.20-08.35 ALPPS**

A. Kantas, Hamburg / Germany

**08.35-08.50 Long-term experience in liver surgery using hydro dissection**

H. Rau, Dachau / Germany

**08.50-09.05 The Chinese experience of laparoscopic liver resection for hepatolithiasis**

Q. Yan, Zhejiang / China

**09.05-09.20 Tape-guided parenchymal dissection applying hanging method for safe and secure anatomical hepatectomy**

S. Kaihara, Kobe / Japan

**09.20-09.35 The use of Acrosurg® in hepatic parenchymal transection in replace of water dripping bipolar cautery**

Y. Abe, Akita / Japan

**09.35-09.50 Experience of hepatic parenchymal transection using a novel microwave device, Acrosurg®**

Y. Abe, Akita / Japan

## **2<sup>nd</sup> session**

**09.50-10.30 Liver Transplantation (Video Session)**

Chair: A. Kantas, K. Taura

**09.50-10.10 Modern techniques in liver transplantation**

P. Schemmer, Graz / Austria

10.10-10.30 **How machine perfusion can change transplantation?**  
S. Schneeberger, Innsbruck / Austria

10.30-11.00 **Coffee Break**

### 3<sup>rd</sup> session

11.00-13.20 **Multidisciplinary Treatment Approaches**  
Chair: G. Werkgartner, H. Terajima

11.00-11.20 **Minimal invasive tumor therapy**  
R. Bale, Innsbruck / Austria

11.20-11.35 **Expanded indications of hepatocellular carcinoma by the two-stage treatment using spacer surgery and particle beam radiotherapy**  
K. Tai, Kobe / Japan

11.35-11.50 **Extended left hepatectomy for hilar cholangiocarcinoma applying the Glisson pedicle approach**  
K. Yamanaka, Osaka / Japan

11.50-12.05 **Effort toward clinical application of cancer immunotherapy against intrahepatic cholangiocarcinoma**  
H. Fuji, Kyoto / Japan

12.05-12.20 **Role of laparoscopic liver resection in multidisciplinary treatment for resectable colorectal liver metastases**  
R. Toda, Kyoto / Japan

12.20-12.35 **Three-dimensional computed tomography simulation and laparoscopic procedure for safe anatomical liver resection**  
K. Kitamura, Kobe / Japan

12.35-12.50 **Salvage hepatectomy for local recurrence after particle therapy for liver cancer**  
M. Tanaka, Kobe / Japan

12.50-13.05 **Application of minimally invasive liver surgery for primary and secondary liver tumors**  
R. Sucher, Leipzig / Germany

13.05-13.20 **Pathological diaphragmatic invasion by colorectal liver metastases**  
G. Werkgartner, Graz / Austria

13.20-14.00 **Lunch**

## 4<sup>th</sup> session

14.00-16.00

### Liver Transplantation / Reperfusion

Chair: M. Golling, T. Minor

14.00-14.15

#### Regenerating small liver grafts in xenogeneic environment

Y. Masano, Kyoto / Japan

14.15-14.30

#### Current procedure of laparoscopic right hepatectomy of LDLT donor

T. Iida, Kyoto / Japan

14.30-14.45

#### The efficiency of acoustic radiation force impulse imaging for the staging of graft fibrosis after liver transplantation

K. Yoshino, Kyoto / Japan

14.45-15.00

#### Bortezomib against post-transplant antibody-mediated rejection in ABO-incompatible living-donor liver transplantation: report of a successful case

T. Tajima, Kyoto / Japan

15.00-15.15

#### Liver resection vs transplantation for hepatocellular carcinoma. Single center experience

K. Strupas, Vilnius / Lithuania

15.15-15.30

#### Resection of perihilar cholangiocarcinoma – can its outcomes be improved by liver transplantation?

K. Taura, Kyoto / Japan

15.30-15.45

#### Complement 5-targeted inhibition ameliorates liver ischemia/reperfusion injury in mice

J. Kusakabe, Kyoto / Japan

15.45-16.00

#### Hydrogen flush after cold storage (HyFACS): A new, simple and non-invasive method for graft reconditioning against ischemia/reperfusion injury?

I. Tamaki, Kyoto / Japan

16.00-16.15

#### Coffee Break



## 5<sup>th</sup> session

16.15-17.15

### Experimental Liver Surgery

Chair: K. Strupas, A. Mori

16.15-16.30

#### **Vascularization of recellularized liver grafts**

H. Kojima, Kyoto / Japan

16.30-16.45

#### **Thrombomodulin attenuates liver ischemia reperfusion injury in mice in TLR-4 dependent manner**

K. Kadono, Kitano / Japan

16.45-17.00

#### **The examination of anatomical resections for colorectal liver metastases based on KRAS mutation status**

Y. Uchida, Kitano / Japan

17.00-17.15

#### **Mechanism of liver hypertrophy in a rat ALPPS model**

N. Otsuka, Akita / Japan

19.30-22.00

#### **Scientific Dinner**

## May 27<sup>th</sup>, 2018

07.30-14.30 Registration

### 6<sup>th</sup> session

09.00-10.20 **Liver Function / Reperfusion Injury**  
Chair: S. Uranus, K. Hata

09.00-09.20 **Liver function tests**  
F. Becker, Münster / Germany

09.20-09.40 **Organ Preconditioning**  
P. Stiegler, Graz / Austria

09.40-10.00 **Concepts of machine perfusion**  
T. Minor, Essen / Germany

10.00-10.20 **Machine perfusion: clinical trials**  
D. Mirza, Birmingham / UK

10.20-10.50 **Coffee Break**

### 7<sup>th</sup> session

10.50-12.10 **Complication Management**  
Chair: H. Müller, T. Takebe

10.50-11.10 **Patch repair of hepatic IVC using auto-pericardial sheet in the ante-situm procedure of the liver without sternotomy**  
Y. Yamamoto, Akita / Japan

11.10-11.25 **Portal vein thrombosis after hepatectomy for primary liver cancer**  
A. Mori, Osaka / Japan

11.25-11.40 **The resection severity index (RSI) is an independent risk factor limiting survival after resection of colorectal liver metastases and hepatocellular carcinoma**  
H. Schrem, Hannover / Germany

11.40-11.55 **Risk factors for delirium after liver transplantation**  
C. Che, Dalian / China

11.55-12.10 **Usefulness of difficulty score for laparoscopic hepatectomy**  
Y. Fujii, Osaka / Japan

12.10-13.00    **Lunch**

## **8<sup>th</sup> session**

- 13.00-15.15    **Clinical Science / Clinical Studies and Case reports**  
Chair: T. Kaihara, G. Stavrou
- 13.00-13.15    **Technical strategies to safely and reliably execute anatomical resection for huge hepatocellular carcinoma larger than 10 cm**  
H. Terajima, Osaka / Japan
- 13.15-13.30    **A primary sarcomatoid hepatocellular carcinoma and a meta-chronous hepatoid adenocarcinoma of the stomach - a rare case**  
E. Nikou, Athens / Greece
- 13.30-13.45    **Fundamental changes in hernia prevention – does it apply to high risk liver surgery?**  
M. Golling, Schwäbisch-Hall / Germany
- 13.45-14.00    **Alternative accesses for simultaneous resection of lung and liver metastases**  
S. Gabor, Leoben / Austria
- 14.00-14.15    **The impact of glissonean pedicle transection with surgical stapling device on an anatomical hepatic resection**  
A. Takebe, Osaka / Japan
- 14.15-14.30    **The case report of HCC with extrahepatic metastasis achieved long term survival by multidisciplinary approach**  
M. Sato, Kyoto / Japan
- 14.30-14.45    **Hepatico-choledocostomy vs. hepatico-jejunostomy in small-for-size partial liver transplantation: Which is preferable?**  
J. Yoshikawa, Kyoto / Japan
- 14.45-15.00    **Micro- and Macro- Borderless HBPT Surgery Using Novel 3D-4K Video System**  
S. Yagi, Kyoto / Japan
- 15.00-15.15    **Efficacy of the novel medical adhesive, MAR-VIVO-107: Long-term observation in a porcine liver resection model**  
H. Tanaka, Kyoto / Japan

## 9<sup>th</sup> session

- 15.15-15.45 **Roll Up / Closing Session**  
Chair: P. Stiegler, K. Hata
- 15.15-15.30 **Good bye Graz / Austria**  
P. Schemmer, Graz / Austria
- 15.30-15.45 **Hello Kyoto / Japan**  
K. Hata, Kyoto / Japan

Accreditation for International CME Credits is applied

## **Contact & Registration**

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