

WORKSHOP ON VISCERAL TRAUMA

Definitive Surgical Trauma Care-DSTC™
Preliminary Program



September 22–23, 2022

DEPARTMENT OF SURGERY GRAZ

Endorsement requested:

European Society for Trauma and
Emergency Surgery (ESTES)
&

International Association for Trauma Surgery
and Intensive Care (IATSIC)

in cooperation with
Institute of Pathology, Medical University of Graz

PROGRAM

WORKSHOP ON VISCERAL TRAUMA

EUROPEAN SOCIETY FOR TRAUMA AND EMERGENCY SURGERY – ESTES
INTERNATIONAL ASSOCIATION FOR TRAUMA AND SURGICAL INTENSIVE CARE – IATSIC
SURGICAL RESEARCH, DEPARTMENT OF SURGERY, MEDICAL UNIVERSITY OF GRAZ

This workshop is designed to review state-of-the-art information on the diagnosis and management of severely injured patients. The curriculum provides an ideal mix of the traditional standard-of-care principles with cutting edge, forward-moving practices. It explores issues related to resuscitation and surgical technique. The workshop runs theory in the morning sessions and hands-on sessions in the afternoon. The course provides the newest in-depth information in the field of gastrointestinal and visceral injuries. The material presented will be exciting as well as readily assimilated and applied.

PARTICIPANTS WILL

- Improve clinical skills
- Establish priorities in resuscitation of trauma patients
- Recognize the evidence that supports decisions and interventions
- See real-life case presentations as examples
- Familiarize themselves with important diagnostic tests and therapeutic maneuvers
- Learn new interventions that may improve outcome

Symposium directors: S. Uranues, M.D., P. Stiegler, M.D.

Organizing Committee: S. Uranues, M.D., P. Stiegler, M.D., K. Briendl, MMSc.

Course language: English

Course location: Department of Surgery, Auenbruggerplatz 5⁶, 8036 Graz

Theory: Lecture hall center, Auenbruggerplatz 50¹, 8036 Graz

Hands-on training: Surgical Research Suite and Department of Pathology

Registration fee: €850.00; €775.00 for members of ESTES and IATSIC member societies
Registrations are accepted on a first-come first-served basis after receipt of payment.

Registration:

Rosmarie Suppan

Surgical Research

Auenbruggerplatz 5

A-8036 Graz

E-Mail: office@vcfw.at

Phone: +43 316 385 83018

<http://www.vcfw.at>

Thursday, September 22, 2022

07:45 – 13:20 Theoretical aspects: Part I

Moderation: S. Uranues

- 07:45 Welcome and introduction
S. Uranues, P. Stiegler
- 08:00 Fluid resuscitation after trauma
G. Velmahos
- 08:20 Massive transfusion & REBOA - principles and clinical endpoints
M. Bowyer
- 08:50 Trauma laparotomy - how to explore the abdomen?
A. Fingerhut
- 09:15 Laparoscopy in trauma - when and how?
S. Uranues
- 09:35 Damage control
L. Johnson
- 10:00 Case presentation & interactive discussion
H. Kurihara

10:30 - 10:50 Coffee break

Moderation: P. Stiegler

- 10:50 Abdominal vascular injuries – shunt or ligate or repair?
M. Bowyer
- 11:15 Hepatic trauma
G. Velmahos
- 11:40 Splenic injuries
S. Uranues
- 12:00 Abdominal compartment syndrome
H. Kurihara
- 12:25 Case presentation & interactive discussion
L. Johnson
- 13:00 Lunch lecture: Ethical considerations
P. Stiegler

13:20 – 13:45 Lunch

Group I, II, III

Hands-on training on cadaver – in cooperation with the
Institute of Pathology

Tutors: M. Bowyer, L. Johnson, P. Stiegler, M. Thalhammer

Abdomen:

- Vascular exposures in the abdomen and pelvis
- Supra-mesocolic midline hematoma
- Medial rotation of the viscera
- Pelvic packing

Thorax:

- Median sternotomy – vascular exposure & root to the neck
- Lateral anterior thoracotomy; clamshell incision (bilateral anterolateral thoracotomy)
- Cross clamping aorta; lung mobilization

Exposure subclavian artery above and below the clavicle

Vascular exposure of extremities: Upper and lower extremities, femoral exposure

Fasciotomy of the lower extremity: two incisions - four compartments

Group IV, V, VI, VII

Hands-on training on live tissue – Surgical Research Suite

Tutors: A. Fingerhut, H. Kurihara, G. Velmahos, S. Uranues

Trauma laparotomy

Packing & damage control

Intravascular shunt, vascular repair

Hemostatic techniques in hepatic and splenic injuries

Adjuncts of hemostasis - tissue sealing

Splenectomy, partial splenectomy

Repair of stomach and bowel injuries

Exploration of the retroperitoneum and the kidneys

Friday, September 23, 2022

07:45 – 12:30 Theoretical aspects: Part II

Moderation: S. Uranues

07:45 Neck injury
L. Johnson

08:15 Chest trauma
M. Bowyer

08:45 Cardiac injuries
G. Velmahos

09:05 Injuries to the stomach and duodenum
A. Fingerhut

09:25 Case presentation
G. Velmahos

09:45 - 10:05 Coffee break

Moderation: P. Stiegler

10:05 Pancreatic injuries
S. Uranues

10:25 Colonic injuries
H. Kurihara

10:45 Case presentation & interactive discussion
L. Johnson

11:05 Pelvic injuries & pelvic packing
H. Kurihara

11:35 Blast injuries
M. Bowyer

11:55 Case presentation & interactive discussion
G. Velmahos

12:30 Closing remarks
P. Stiegler

12:40 – 13:15 Lunch

13:30 – 17:00

Hands-on session: Part II

Group V, VI, VII

Hands-on training on cadaver – in cooperation with the
Institute of Pathology

Tutors: M. Bowyer, L. Johnson, P. Stiegler, M. Thalhammer

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- Vascular exposures in the abdomen and pelvis
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- Pelvic packing

Thorax:

- Median sternotomy – vascular exposure & root to the neck
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- Cross clamping aorta; lung mobilization

Exposure subclavian artery above and below the clavicle

Vascular exposure of extremities: Upper and lower extremities, femoral exposure

Fasciotomy of the lower extremity: two incisions - four compartments

Group I, II, III, IV

Hands-on training – Surgical Research Suite

Tutors: A. Fingerhut, H. Kurihara, G. Velmahos, S. Uranues

Trauma laparotomy

Packing & damage control

Intravascular shunt, vascular repair

Hemostatic techniques in hepatic and splenic injuries

Adjuncts of hemostasis - tissue sealing

Splenectomy, partial splenectomy

Repair of stomach and bowel injuries

Exploration of the retroperitoneum and the kidneys

17:05 Final remarks, awarding of certificates

Faculty

Dr. Vladimir BUBALO
Veterinary anesthesiologist
Biomedical Research
Medical University of Graz

Mag.^a Bettina HAUSEGGER
Veterinary anesthesiologist
Section for Surgical Research
Medical University of Graz

Prof.Dr. Gerald HÖFLER
Diagnostic and Research
Institute of Pathology
Medical University of Graz

Prof.Dr. Sebastian MANNWEILER
Diagnostic and Research
Institute of Pathology
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Dr. ⁱⁿ med.vet. Aida SARIC
Veterinary anesthesiologist
Biomedical Research
Medical University of Graz

Assoc.Prof.PD Dr. Philipp STIEGLER, MBA
Department of Surgery
Medical University of Graz

Ass.Prof. Dr. Michael THALHAMMER
Department of Surgery
Medical University of Graz

Prof.Dr.Dr.h.c. Selman URANÜS
Department of Surgery
Medical University of Graz

Dr.ⁱⁿ Iris WIEDERSTEIN- GRASSER
Veterinary anesthesiologist
Section for Surgical Research
Medical University of Graz

Prof. Dr. Kurt ZATLOUKAL
Diagnostic and Research
Institute of Pathology
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International Faculty

Col(ret) Mark W. BOWYER, MD, FACS, DMCC
Chief, Division of Trauma and Combat Surgery
Uniformed Services University of the Health
Sciences & the Walter Reed National Military
Medical Center, Bethesda, Maryland, USA

**Abe FINGERHUT, MD, FACS, FRCPS(g),
FRCS(Ed)**
Professor of Surgery
Centre Hospitalier Intercommunal
Poissy-Paris, FRANCE

Hayato KURIHARA, MD, FEBSEMSURG, FACS
Emergency Surgery Unit
Fondazione IRCCS Ca' Granda Ospedale Maggiore
Policlinico, Milan,
University of Milan, ITALY

Guest Faculty

Laura S. JOHNSON, MD, FACS
Associate Professor of Surgery
Georgetown University School of Medicine
Burns/Trauma Section
Department of Surgery
Medstar Washington Hospital Center, USA

George C. VELMAHOS, MD, PhD, MSeD
John F. Burke Professor of Surgery,
Harvard Medical School
Chief of Trauma, Emergency Medicine, and
Surgical Critical Care
Massachusetts General Hospital
Boston, MA, USA