



Society for Research and Training in Trauma Surgery

WORKSHOP ON VISCERAL TRAUMA

Definitive Surgical Trauma Care-DSTC™

Preliminary Program



Endorsement requested:

**EUROPEAN SOCIETY FOR TRAUMA AND
EMERGENCY SURGERY (ESTES)**

&

**INTERNATIONAL ASSOCIATION FOR THE
SURGERY OF TRAUMA AND SURGICAL
INTENSIVE CARE (IATSIC)**

in co-operation 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
SECTION FOR 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. Uranüs, M.D., P. Stiegler, M.D.*

Organizing Committee: *S. Uranüs, M.D., P. Stiegler, M.D., K. Briendl, Mag.*

Course language: English

Course location: *Department of Surgery, Auenbruggerplatz 29, 8036 Graz*

Theory: Radiology auditorium, Auenbruggerplatz 9A, 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
Section for Surgical Research
Auenbruggerplatz 29
A-8036 Graz
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Phone: +43 316 385 83018
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<http://www.vcfw.at>

Monday, September 20, 2021

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

Moderation: S. Uranüs

- 07:45 Welcome and introduction
S. Uranüs, P. Stiegler
- 08:00 Trauma room management & FAST
E. Degiannis
- 08:20 Resuscitation & massive transfusion & REBOA - principles and clinical endpoints
M. Bowyer
- 08:50 Trauma laparotomy - how to explore the abdomen?
A. Fingerhut
- 09:15 Damage control
G. Velmahos
- 09:40 Laparoscopy in trauma - when and how?
S. Uranüs
- 10:00 Case presentation & interactive discussion
A. Fingerhut

10:30- 10:50 Coffee break

Moderation: P. Stiegler

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

13:20 – 13:45 Lunch

14:00 – 17:30 Hands-on Session: Part I

Group I, II, III, IV

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

Tutors: M. Bowyer, H. Kurihara, M. Thalhammer

Abdomen:

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

Thorax: median sternotomy – vascular exposure & root to the neck

- Clamshell incision: bilateral anterolateral thoracotomy
- Pulmonary tractotomy

Exposure subclavian artery above the clavicle

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

Fasciotomy of the lower extremity: two incisions - four compartments

Group V, VI, VII, VIII

Hands-on training on live tissue – Section for Surgical Research

Tutors: A. Fingerhut, E. Degiannis, G. Velmahos, S. Uranues

Trauma laparotomy

Packing & damage control

Intravascular shunt, vascular repair

Hemostatic techniques in liver injuries, atypical liver resection

Adjuncts of hemostasis, principles of tissue sealing

Splenic preservation, splenorrhaphy, partial and total splenectomy

Repair of stomach and intestinal injuries

Technique of repair in pancreatic injuries

Exploration of the retroperitoneum and the kidneys

19:30 Dinner

Tuesday, September 21, 2021

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

Moderation: S. Uranues

- 07:45 Neck injury
E. Degiannis
- 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
E. Degiannis
- 11:05 Pelvic injuries & pelvic packing
G. Velmahos
- 11:35 Nutrition in trauma patients
H. Kurihara
- 11:55 Case presentation & interactive discussion
M. Bowyer
- 12:30 Closing remarks
S. Uranues, P. Stiegler

12:40 – 13:15 Lunch

13:30 – 17:00 Hands-on session: Part II

Group V, VI, VII, VIII

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

Tutors: M. Bowyer, H. Kurihara, M. Thalhammer

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- Left/right rotation of the viscera
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- Clamshell incision: bilateral anterolateral thoracotomy
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Exposure subclavian artery above 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 – Section for Surgical Research

Tutors: A. Fingerhut, E. Degiannis, G. Velmahos, S. Uranues

Trauma laparotomy

Packing & damage control

Intravascular shunt, vascular repair

Hemostatic techniques in liver injuries, atypical liver resection

Adjuncts of hemostasis, principles of tissue sealing

Splenic preservation, splenorrhaphy, partial and total splenectomy

Repair of stomach and intestinal injuries

Technique of repair in pancreatic 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

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Medical University of Graz

Ass.Prof. Dr. Michael THALHAMMER

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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
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Medical University of Graz

Dr.ⁱⁿ Valerie WIENERROITHER

Department of Surgery
Medical University of Graz

Prof. Dr. Kurt ZATLOUKAL

Diagnostic and Research
Institute of Pathology
Medical University of Graz

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
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Elias DEGIANNIS, MD, FACS

Professor of Surgery
University of the Witwatersrand
Johannesburg, South Africa

**Abe FINGERHUT, MD, FACS, FRCPS(g),
FRCS(Ed)**

Professor of Surgery
Centre Hospitalier Intercommunal
Poissy-Paris, France

Hayato KURIHARA, MD, FACS, FEBSEmSurg

Emergency Surgery and Trauma Section
Department of Surgery
Humanitas Research Hospital
Rozzano (Milan) – ITALY

Guest Faculty

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