34th International Gastrointestinal Surgery Workshop

April 1 – April 6, 2017
Congress Center Davos
Switzerland

Final Program

Open and Laparoscopic Surgical Techniques
Including Virtual Reality Training

Organized by the Foundation for Gastrointestinal Surgery Davos.
A member of Academia Rätica.
IMAGE1 S – as individual
as your requirements

- Rigid endoscopy
- Flexible endoscopy
- 3D endoscopy
- Fluorescence imaging
WELCOME MESSAGE

DEAR COLLEAGUES

We wish you a special warm welcome to this year’s 34th practical course in gastrointestinal surgery in Davos. In the program you will find an arrangement of lectures followed by practical exercises using various models.

Since the inauguration of this course, 33 years ago, surgery of the GI tract has considerably changed and especially two techniques have revolutionized and expanded the possibilities: First the refinement and improved safety of mechanical stapling devices and then of course laparoscopic surgery. Here, a great variety of indications has been generally accepted and the instruments in use are being modified and perfected quite rapidly.

These are good reasons for offering such a course for the benefit of practicing surgeons and those involved in advanced professional education. The course 2017 focuses on detailed technical aspects necessary for accomplishing these surgical interventions and makes specially adapted models available. With virtual reality training models, you can test your skills during the course.

No surgical intervention without basic knowledge. You will take part in state of the art lectures concerning different tools in GI surgery, as well as in interactive sessions on special cases or on errors in surgery.

The main issue of the Davos-philosophy is practicing surgery. Therefore the course is designed to give each participant the chance to practice all the techniques as demonstrated by video on different models. This allows the participants to learn new and to familiarize themselves with alternative procedures and also to improve their skills.

After the lectures, the participants are invited to move to the rooms specially prepared for the individual practical exercises. The numbers on the name-badges correspond with those of each participant’s particular workbench. At each table an instructor will be happy to welcome and guide you. Make frequent use of it!

It is a great pleasure to welcome you to our Davos-Course 2017. We very much hope you will find this week both stimulating and creative.

DANIEL OERTLI
PRESIDENT OF THE FOUNDATION
FOUNDATION FOR GASTROINTESTINAL SURGERY

On December 11, 1989 the Foundation for Gastrointestinal Surgery, Davos, (AGC-Foundation) was founded in accordance with the Swiss law.

AIM OF AGC-Foundation

The aim of the Foundation is to support and promote education in gastrointestinal surgery, in the production of adequate teaching aids as well as in the organization of international exchange of surgeons in training. The Foundation may organize postgraduate courses and intensify scientific exchange between various institutions.

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COURSE SECRETARIAT

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OSCAR BALDOMERO  
BSC (HONS) AIBMS  
BALDOMERO MEDICAL GMBH  
BINNINGEN, SWITZERLAND  
E-MAIL: OSCAR.BALDOMERO@BALMED.CH
FACULTY MEMBERS/INSTRUCTORS 2017

THE FACULTY 2017 INCLUDES IN ADDITION TO THE BOARD OF DIRECTORS OF AGC-FOUNDATION THE FOLLOWING LISTED FACULTY MEMBERS

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GENERAL INFORMATION

SURGICAL INSTRUMENTS
Surgical instruments for the open and laparoscopic practical exercises will be available from B. Braun Medical for each working place (1 set for each 2 participants only).

Participants with odd registration numbers are invited to pick them up at the Registration Counter before the beginning of the course and to return them on Friday after the final assessment. A credit card guarantee or a deposit, which will be returned upon return of the complete set, has to be provided.

Participants who wish to use their own equipment may bring the same along to Davos which should include the following:
- 1 large needle holder (approx. 20 cm)
- 1 short needle holder (approx. 12 cm)
- 1 pair of fine long forceps (non-toothed)
- 1 pair of short forceps
- 1 pair of dissecting scissors
- 1 pair of straight-stitch cutting scissors
- 6 –10 fine artery forceps (mosquitos)

ACCREDITATION OF PARTICIPATION
The program of the course has been established in accordance with the guidelines of the “Berufsverband Deutscher Chirurgen” (BDC), the Swiss Association for Laparoscopic and Thoracoscopic Surgery (SALTS) according to the recommendations of the “Chirurgische Arbeitsgemeinschaft für Endoskopie” (CAE) of the “Deutsche Gesellschaft für Chirurgie”.

The Danish, Swedish and Norwegian Surgical Societies have approved that the course meets the requirements of “Phase II of the Official Training Opportunities”.
CHRÜTERCRAFT IST DAS GEHEIMNIS
GENERAL INFORMATION

CONFIRMATION OF PARTICIPATION AND DIPLOMAS
Certificates will be available at the end of the course on Thursday at the course counter. All participants, including instructors must hand in their personal evaluation sheets in exchange for the diplomas.

THE SECRETARIAT WILL NOT MAIL YOUR CONFIRMATION OF PARTICIPATION AND YOUR DIPLOMA IF NOT PICKED UP IN DAVOS.

CONFIRMATION FOR TAX PURPOSES
In order to meet the requirements to obtain tax exemption each course participant may ask the secretariat to obtain a personal form at the beginning of the course. This form is optional and not compulsory.

It is the responsibility of each participant to have this form signed daily by the table instructor immediately after the session and to get it confirmed daily by the course secretariat.

FREE INTERNET ACCESS
All participants are offered free Internet Access on WLAN during the course.
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GENERAL INFORMATION

COURSE VENUE
Congress Center Davos Platz, Promenade
Tel: +41 81 414 62 15
Fax +41 81 414 62 29
E-Mail during Course: davoscourse@ak-medizin.com

OPENING HOURS OF THE SECRETARIAT IN DAVOS
Saturday, April 1, 2017 · 10.00 – 19.00
Sunday, April 2, 2017 · 08.00 – 12.30 and 14.00 – 20.00

PRACTICAL EXERCISES ACCORDING TO INDIVIDUAL SCHEDULE
The schedule of practical exercises is given in colors at the program outline starting on page 20. Your individual place to work for practical exercises is printed on your name-badge as well as on the colored lists in your course documents.

BASIC SKILLS COURSE
OPEN SURGERY
(FOYER B1)
LAPAROSCOPIC EXERCISES
(ROOMS PISCHA / PARSENN, JAKOBSHORN, STRELA & RINERHORN)

INTERMEDIATE SKILLS COURSE (GROUP C)
OPEN SURGERY
(FOYER B1)
LAPAROSCOPIC EXERCISES
(ROOMS PISCHA / PARSENN, JAKOBSHORN, STRELA & RINERHORN)

NOTE:
EXERCISES IN OPEN CHOLEZYSTECTOMY WILL TAKE PLACE IN THE LAPAROSCOPIC EXERCISE ROOMS PISCHA/PARSENN · RINERHORN/STRELA UND JAKOBSHORN.

PROGRAM OF LECTURES
LECTURES WILL BE HELD DAILY BEFORE THE PRACTICAL EXERCICES AS OF THE FOLLOWING PAGES.

THE MORNING LECTURES ARE DIVIDED INTO TWO PARTS, FOR THE BASIC SKILLS COURSE AND THE INTERMEDIATE SKILLS COURSE. YOU WILL PROFIT FROM THIS MEASURE AS IT WILL INCREASE THE VALUE OF THE COURSE IN ACCORDANCE WITH YOUR SURGICAL EXPERIENCES.
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**PROGRAM**

**BASIC & INTERMEDIATE COURSE**
INCLUDING VIRTUAL REALITY TRAINING
**AGC-COURSE 2017**
**GI SURGERY**
01.04.2017 - 06.04.2017

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**OPENING OF THE COURSE**
**SECRETARIAT AND REGISTRATION**
10.00
**ROOM ASPEN**
MODERATORS: D. OERTLI, BASEL, B. WEIXLER, BASEL, W. BRUNNER, RORSCHACH

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**COURSE OPENING**
**ROOM ASPEN**
MODERATORS: D. OERTLI, BASEL, B. WEIXLER, BASEL, W. BRUNNER, RORSCHACH

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**JOINT LECTURE**
**ROOM ASPEN**
MODERATORS: D. OERTLI, BASEL, D. FREY, WETZIKON

**Basics in open surgery: suture techniques and materials**
— C.T. HAMEL, LÖRRACH

**Basics in laparoscopy**
— P. VOGELBACH, DORNAICH

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**PRECOURSE INSTRUCTORS**
**“TRAIN THE TRAINERS”**
ROOM PARSENN/PISCHA, JAKOBSHORN, RINERHORN & STRELA, WING B

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**OPEN SURGERY – BASIC SKILLS COURSE**
(FOYER B1)

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**LAPAROSCOPIC EXERCISES – BASIC SKILLS COURSE**
(ROOMS PISCHA / PARSENN, JAKOBSHORN, STRELA & RINERHORN)
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<th>Date</th>
<th>BASIC SKILLS COURSE</th>
<th>INTERMEDIATE SKILLS COURSE</th>
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<td>SATURDAY, 01.04.2017</td>
<td><strong>OPEN SURGERY</strong> — W. MARTI, AARAU / CH. NEBIKER, AARAU</td>
<td><strong>LAPAROSCOPIC SURGERY</strong> — P. VOGELBACH, DORNACH / R. BUMM, CHUR</td>
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<td></td>
<td><strong>Knot tying and basic suture techniques</strong></td>
<td><strong>Cholangiography</strong></td>
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<td>— <strong>KNOTS</strong></td>
<td>— <strong>CHOLANGIOGRAPHY</strong></td>
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<td>— <strong>KNOTTING AT DEPTH, INSTRUMENTAL</strong></td>
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<td>— <strong>CONTINUOUS SUTURE TECHNIQUE</strong></td>
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<td>— <strong>POSTERIOR WALL MATTRESS AND CONTINUOUS</strong></td>
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<td>— <strong>INTERRUPTED ANASTOMOSIS E-E</strong></td>
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<td><strong>GET TOGETHER</strong></td>
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<td>SUNDAY, 02.04.2017</td>
<td><strong>LECTURE</strong> (ROOM STUDIO)</td>
<td><strong>LECTURE</strong> (ROOM ASPEN)</td>
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<td><strong>MODERATORS:</strong> R. BUMM, CHUR</td>
<td><strong>ST. POST, MANNHEIM</strong></td>
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<td><strong>P. VOGELBACH, DORNACH</strong></td>
<td><strong>H.O. TEN CATE HOEDEMAER, GRONINGEN</strong></td>
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<td><strong>Avoidance and management of bile duct injuries</strong></td>
<td><strong>Abdominal trauma</strong></td>
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<td>— C.T. HAMEL, LORRACH</td>
<td>— D. OERTLI, BASEL</td>
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<td><strong>ERAS (Enhanced Recovery After Surgery)</strong></td>
<td><strong>Open abdomen – therapeutic options for closure of laparostomy</strong></td>
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<td>— N. DEMARTINES, LAUSANNE</td>
<td>— R. ROSSO, LUGANO</td>
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<td><strong>Peptic disease and its complications</strong></td>
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<td>— A.H. HÖLSCHER, FRANKFURT</td>
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BASIC SKILLS COURSE
FOYER B1

OPEN SURGERY – BASIC SKILLS COURSE

SUNDAY, 02.04.2017

09.30
09.30
10.00–12.00
10.00–12.00

LAPAROSCOPIC EXERCISES – BASIC SKILLS COURSE
ROOMS PISCHA / PARSENN, JAKOBSHORN, STRELA & RINERHORN

COFFEE AND SWEETS (TRADE EXHIBITION)

12.00
12.00

INTERACTIVE SESSION I

16.00
16.00

ACUTE SITUATIONS IN ABDOMINAL SURGERY: CLINICAL SCENARIOS

16.30–17.30
16.30–17.30

MODERATOR: N. DEMARTINES, LAUSANNE
PANELLISTS: P. VOGELBACH, DORNAICH
A.H. HÖLSCHER, FRANKFURT
D. HAHNLOSER, LAUSANNE
CASE PRESENTERS: K. HORIEBERG, ZURICH
D. FREY, WETZIKON
(PERFORATED APPENDICTIS)

ACUTE SITUATIONS IN ABDOMINAL SURGERY: CLINICAL SCENARIOS

20.30–21.30
20.30–21.30

MODERATOR: N. DEMARTINES, LAUSANNE
PANELLISTS: D.M. FREY, WETZIKON / C.T. HAMEL, LÖRRACH
CASE PRESENTERS: K. HORIEBERG, ZURICH
D. FREY, WETZIKON
(PERFORATED APPENDICTIS)

OPEN SURGERY
Bowel anastomosis
— ST. POST, MANNHEIM / N. SENNINGER, MÜNSTER
INTERRUPTED ANASTOMOSIS E-E
CONTINUOUS ANASTOMOSIS E-S

LAPAROSCOPIC SURGERY (EW)
Laparoscopic knot tying and suture techniques (continued)
KNOT PUSHERS
SUTURE KNOT (STOMACH)
INTRACORPOREAL KNOT (STOMACH)

LUNcheon BREAK

COFFEE AND SWEETS (TRADE EXHIBITION)

INTERACTIVE SESSION I

Acute situations in abdominal surgery: clinical scenarios

ACUTE SITUATIONS IN ABDOMINAL SURGERY: CLINICAL SCENARIOS

20.30–21.30
20.30–21.30

MODERATOR: N. DEMARTINES, LAUSANNE
PANELLISTS: D.M. FREY, WETZIKON / C.T. HAMEL, LÖRRACH
CASE PRESENTERS: K. HORIEBERG, ZURICH
D. FREY, WETZIKON
(PERFORATED APPENDICTIS)

OPEN SURGERY
Bowel anastomosis
— ST. POST, MANNHEIM / N. SENNINGER, MÜNSTER
INTERRUPTED ANASTOMOSIS E-E
CONTINUOUS ANASTOMOSIS E-S

LAPAROSCOPIC SURGERY (EW)
Laparoscopic knot tying and suture techniques (continued)
KNOT PUSHERS
SUTURE KNOT (STOMACH)
INTRACORPOREAL KNOT (STOMACH)
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<tr>
<th>SUNDAY, 02.04.2017</th>
<th>BASIC SKILLS COURSE</th>
<th>INTERMEDIATE SKILLS COURSE</th>
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</thead>
<tbody>
<tr>
<td>17.45–19.45</td>
<td>OPEN SURGERY</td>
<td>LAPAROSCOPIC SURGERY (MW)</td>
</tr>
<tr>
<td></td>
<td>— J. METZGER, LUZERN / D. M. FREY, WETZIKON</td>
<td>— C. T. HAMEL, LÖRRACH / R. BUMM, CHUR</td>
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<tr>
<td></td>
<td>— BILLROTH I (CONTINUOUS)</td>
<td>— INTRACORPOREAL RUNNING SUTURE</td>
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<td>— BILLROTH II (CONTINUOUS)</td>
<td>— ENDOSTITCH WITH V-LOCK (STOMAC)</td>
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<td>— INTRACORPOREAL RUNNING SUTURE (COLON)</td>
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<tr>
<th>MONDAY, 03.04.2017</th>
<th>BASIC SKILLS COURSE</th>
<th>INTERMEDIATE SKILLS COURSE</th>
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<tbody>
<tr>
<td>08.00–09.30</td>
<td>LECTURE (ROOM STUDIO)</td>
<td>LECTURE (ROOM ASPEN)</td>
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<tr>
<td></td>
<td>MODERATORS: W. MARTI, AARAU D. FREY, WETZIKON</td>
<td>MODERATORS: R. ROSSO, LUGANO N. SENNINGER, MÜNSTER</td>
</tr>
<tr>
<td></td>
<td>Inguinal hernia repair: The optimal treatment?</td>
<td>Management of acute pancreatitis and its complications</td>
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<tr>
<td></td>
<td>— J. METZGER, LUZERN</td>
<td>— H. VAN GOOR, NIJMEGEN</td>
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<tr>
<td></td>
<td>Avoidance and treatment of incisional hernia</td>
<td>Pancreatic cancer</td>
</tr>
<tr>
<td></td>
<td>— CH. NEBIKER, AARAU</td>
<td>— S. POST, MANNHEIM</td>
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<tr>
<td>09.30</td>
<td>BREAK</td>
<td>BREAK</td>
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<tr>
<td>10.00–12.00</td>
<td>OPEN SURGERY</td>
<td>LAPAROSCOPIC SURGERY (MW)</td>
</tr>
<tr>
<td></td>
<td>— A. H. HÖLSCHER, FRANKFURT / N. SENNINGER, MÜNSTER</td>
<td>— P. VOGELBACH, DORNACH / J. METZGER, LUZERN</td>
</tr>
<tr>
<td></td>
<td>— CROSS SECTION GASTROENTEROSTOMY</td>
<td>Laparoscopic fundoplication</td>
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<td>— ILEO-ILEOSTOMY</td>
<td>— FUNDOPPLICATION</td>
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<tr>
<td></td>
<td>— CONTINUOUS ANASTOMOSIS E-E</td>
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</table>

Inguinal hernia repair: The optimal treatment? — J. METZGER, LUZERN
Management of acute pancreatitis and its complications — H. VAN GOOR, NIJMEGEN
Pancreatic cancer — S. POST, MANNHEIM

Avoidance and treatment of incisional hernia — CH. NEBIKER, AARAU
<table>
<thead>
<tr>
<th>Time</th>
<th>Basic Skills Course</th>
<th>Intermediate Skills Course</th>
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<tbody>
<tr>
<td>12.00</td>
<td><strong>LUNCH BREAK</strong></td>
<td><strong>LUNCH BREAK</strong></td>
</tr>
<tr>
<td>13.45–19.30</td>
<td><strong>VIRTUAL REALITY TRAINING</strong>&lt;br&gt;(ROOM FORUM)&lt;br&gt;Individual schedule included in course documents</td>
<td></td>
</tr>
<tr>
<td>17.45–19.45</td>
<td><strong>OPEN SURGERY</strong>&lt;br&gt;— N. Demartines, Lausanne / C.T. Hamel, Lorrach&lt;br&gt;— Anterior Resection (by stapler)&lt;br&gt;— Anterior Resection (side to end)</td>
<td><strong>LAPAROSCOPIC SURGERY (EW)</strong>&lt;br&gt;— D.M. Frey, Wetzikon / Ch. Nebiker, Aarau&lt;br&gt;Laparoscopic anterior resection&lt;br&gt;— Laparoscopic anterior resection&lt;br&gt;— Port site closure</td>
</tr>
</tbody>
</table>
TUESDAY, 04.04.2017

BASIC SKILLS COURSE

14.30–15.30
**LAPAROSCOPIC SURGERY (MW)**
- Open Cholecystectomy
  - C.T. HAMEL, LÖRRACH / P. VOGELBACH, DORNACH

15.30–17.30
**Introduction in laparoscopic surgery**
- INTRODUCTION
- PNEUMO, 1ST TROCARS
- INSERTION OF TROCARS (CAMERA WORK)
- TRANSPORT OF MATCHES
- CLIPPING
- UNWRAPPING OF RICCOLA

INTERMEDIATE SKILLS COURSE

15.00–17.15
**OPEN SURGERY**
- J. METZGER, LUZERN / N. SENNINGER, MÜNSTER
  - KNOTS
  - KNOTTING AT DEPTH, INSTRUMENTAL
  - CONTINUOUS SUTURE TECHNIQUE
  - POSTERIOR WALL MATTRESS AND CONTINUOUS

**Stoma placement**
- LOOP ILEOSTOMY COLOSTOMY
- CLOSURE ABDOMINAL WALL

INTERACTIVE SESSION III

**Acute situations in abdominal surgery: clinical scenarios II**

MOMERATOR: N. DEMARTINES, LAUSANNE

PANELLISTS:
- R. ROSSO, LUGANO
- D. OERTLI, BASEL
- N. SENNINGER, MÜNSTER

CASE PRESENTERS:
- D.M. FREY, WETZIKON
- P. VOGELBACH, DORNACH
- H.O. TEN CATE HOEDEMAKER, GRONINGEN
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### AGC-COURSE 2017
#### SCIENTIFIC PROGRAM
01.04.2017 - 06.04.2017

**Day:** Wednesday, 05.04.2017

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<tr>
<th>Time</th>
<th>Activity</th>
<th>Location</th>
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<tbody>
<tr>
<td>08.00-09.30</td>
<td>LECTURE Laparoscopic colorectal surgery, Rectal resection and replacement</td>
<td>ROOM STUDIO, MODERATORS: T. SCHENKEL, HELSINKI, N. SHENNINGS, MUNSTER</td>
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<td>MODERATORS: W.R. MARTI, AARAU</td>
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<td>A.H. HÖLSCHER, FRANKFURT</td>
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<td>N. SENNINGER, MÜNSTER</td>
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<tr>
<td>08.15-09.45</td>
<td>VIRTUAL REALITY TRAINING</td>
<td>ROOM FORUM</td>
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<tr>
<td>10.00-12.00</td>
<td>OPEN SURGERY Bowel anastomosis and Gastroenterostomy</td>
<td>ROOM FORUM</td>
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<td>MODERATORS: A.H. HÖLSCHER, FRANKFURT</td>
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<td>R. BUMM, CHUR</td>
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<tr>
<td>12.00</td>
<td>LUNCH BREAK</td>
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Simply hot!

CLICKline single-use scissors inserts
### AGC-COURSE 2017

**GI SURGERY**

01.04.2017 - 06.04.2017

#### BASIC SKILLS COURSE

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
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</table>
| 13.45–17.30 | INTERACTIVE SESSION IV (ROOM ASPIEN) | Acute situations in abdominal surgery | MODERATORS: R. BUMM, CHUR, D. OERTLI, BASEL  
CASE PRESENTERS: M. FURRER, CHUR, A.H. HÖLSCHER, KÖLN |
| 16.00–17.00 | VIRTUAL REALITY TRAINING (ROOM FORUM) | Individual schedule included in course documents |
| 17.15–19.15 | INTERACTIVE SESSION IV (ROOM ASPIEN) | Acute situations in abdominal surgery | MODERATORS: R. BUMM, CHUR, D. OERTLI, BASEL  
CASE PRESENTERS: M. FURRER, CHUR, A.H. HÖLSCHER, KÖLN |

#### INTERMEDIATE SKILLS COURSE

<table>
<thead>
<tr>
<th>Time</th>
<th>Event</th>
<th>Details</th>
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</table>
| 13.45–17.30 | OPEN SURGERY (ROOM ASPEN) | Esophagojejunostomy and anterior resection | MODERATORS: R. BUMM, CHUR, D. OERTLI, BASEL  
CASE PRESENTERS: M. FURRER, CHUR, A.H. HÖLSCHER, KÖLN |
| 16.00–17.00 | INTERACTIVE SESSION IV (ROOM ASPEN) | Acute situations in abdominal surgery | MODERATORS: R. BUMM, CHUR, D. OERTLI, BASEL  
CASE PRESENTERS: M. FURRER, CHUR, A.H. HÖLSCHER, KÖLN |
| 17.15–19.15 | INTERACTIVE SESSION IV (ROOM ASPEN) | Acute situations in abdominal surgery | MODERATORS: R. BUMM, CHUR, D. OERTLI, BASEL  
CASE PRESENTERS: M. FURRER, CHUR, A.H. HÖLSCHER, KÖLN |

#### LECTURE

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<tr>
<td>08.00–09.30</td>
<td>LECTURE (ROOM STUDIO)</td>
<td>How I deal with the unexpected (Complications in laparoscopic surgery)</td>
</tr>
<tr>
<td>08.00–09.30</td>
<td>LECTURE (ROOM ASPEN)</td>
<td>Metabolic surgery</td>
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#### LAPAROSCOPIC SURGERY (MW)

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<th>Event</th>
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<tr>
<td>17.15–19.15</td>
<td>LAPAROSCOPIC SURGERY (MW) (ROOM ASPEN)</td>
<td>Laparoscopic cholecystectomy</td>
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#### OPEN SURGERY – BASIC SKILLS COURSE

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<th>Event</th>
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<tr>
<td>17.15–19.15</td>
<td>OPEN SURGERY – BASIC SKILLS COURSE (FOYER B1)</td>
<td>Laparoscopic cholecystectomy</td>
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#### LAPAROSCOPIC EXERCISES – BASIC SKILLS COURSE

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<th>Time</th>
<th>Event</th>
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<tbody>
<tr>
<td>17.15–19.15</td>
<td>LAPAROSCOPIC EXERCISES – BASIC SKILLS COURSE (ROOMS PISCHA / PARSENN, JAKOBSHORN, STRELA &amp; RINERHORN)</td>
<td>Laparoscopic cholecystectomy</td>
</tr>
</tbody>
</table>

### Laparoscopic Exercises

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01.04.2017 - 06.04.2017

SCIENTIFIC PROGRAM

01.04.2017 – 06.04.2017

OPEN SURGERY

— J. METZGER, LUZERN / D.M. FREY, WETZIKON

— CONTINUOUS ANASTOMOSIS E E

— ILEO-ILEOSTOMY

— ILEO-TRANSVERSOSTOMY

— ANTERIOR RESECTION

LAPAROSCOPIC SURGERY (EW)

— C.T. HAMEL, LÖRRACH / R. BUMM, CHUR

Laparoscopic knot tying and suture techniques

— CHOLANGIOGRAPHY

— KNOT PUSHERS

— SURGICAL KNOT (MODULE)

LAPAROSCOPIC SURGERY (EW)

— P. VOGELBACH, DORNACH / C.T. HAMEL, LÖRRACH

Laparoscopic cholecystectomy

— LAPAROSCOPIC CHOLECYSTECTOMY

— HEMOSTASIS IN THE LIVER

— PORT SITE Closure

— LIVER RESSECTION

OPEN SURGERY

— N. DEMARTINES, LAUSANNE / N. SENNINGER, MÜNSTER

Hepaticojejunoanastomosis and Pancreas anastomosis

— PANCREAS ANASTOMOSIS

HEPATICOJEJUNOSTOMY

— PANCREAS ANASTOMOSIS

INTERMEDIATE SKILLS COURSE

LAPAROSCOPIC EXERCISES – INTERMEDIATE SKILLS COURSE

(ROOMS PISCHA / PARSENN, JAKOBSHORN, STRELA & RINERHORN)

BASIC SKILLS COURSE

LAPAROSCOPIC SURGERY (EW)

(FOYER B1)
PROGRAM

ADVANCED COURSE
WELCOME MESSAGE

DEAR COLLEAGUES

Since the inauguration of this course, over 30 years ago, gastrointestinal surgery has been pushed forward towards minimal invasive procedures. Professional education and international collaboration are the keystones of the long lasting success of the Davos courses, as well as renewal.

Therefore, in 2015 we started a pilot project besides the basic and intermediate course: The Advanced Course – focusing two topics in two modules, colorectal and hernia surgery. Concept and program was set up by international collaboration again, in particular by Walter Brunner, Harry v. Goor and Friedrich Herbst.

Success made us believe in this new course and hence we wish you a special warm welcome to the 3rd Advanced Course 2017! In the advanced course program you will find an arrangement of lectures and practical exercises using various models. The theoretical part will cover interactive lectures, split group theory sessions with rotation, case discussions and meet the experts rounds. As a participant you will also be involved in moderations, should bring in your experience and own cases, ask questions and be part in the exchange of knowledge. Therefore you are requested to bring your smart phones and laptops to special interactive sessions and literature research.

Furthermore, the main issue to improve your skills in practical exercises was always a focus of the Davos course and will be part of the advanced course as well. You will be trained on different modules including perfused organs in POP-Trainers. At each table expert instructors in the topic of the advanced course will be happy to welcome and guide you. Make frequent use of it!

Since this is the new course anyway we kindly ask you in advance for your understanding in case of short rearrangement of lectures, topics or lecturer and are highly interested in your feedback to improve the courses for the next years.

It is a great pleasure to welcome you to our Davos-Course 2017.
We very much hope you will find this new advanced course both stimulating and creative.

WALTER BRUNNER
ORGANIZER ADVANCED COURSE

DANIEL OERTLI
PRESIDENT OF THE FOUNDATION
ORGANIZERS
ADVANCED COURSE

ORGANIZER AND MEDICAL DIRECTOR
OF THE COURSE

DR. MED.
WALTER BRUNNER
DEPARTEMENT CHIRURGIE
RORSCHACH
KANTONSSPITAL ST. GALLEN
9400 RORSCHACH
E-MAIL: WALTER.BRUNNER@KSSG.CH

DR. MED.
BENJAMIN WEIXLER
LEIDEN UNIVERSITY
MEDICAL CENTER
DEPARTMENT OF SURGERY
ALBINUSDREEF 2
2333 ZA LEIDEN
NETHERLANDS
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SWITZERLAND

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E-MAIL: DAVOSCOURSE@AK-MEDIZIN.COM
HOMEPAGE: WWW.DAVOSCOURSE.CH

COURSE COORDINATOR

JÉRÔME AMMANN
AK-MEDIZIN
FEAT. „CUT-AWAY“ AMMANN
MÜNCHWILEN, SWITZERLAND
E-MAIL: JA@AK-MEDIZIN.COM

COURSE ADMINISTRATOR

MARIANNE BERTSCHI
ALLVECO AG
LUPSINGEN, SWITZERLAND
E-MAIL: MARIANNE.BERTSCHI@ALLVECO.CH
FACULTY AND LECTURERS
ADVANCED COURSE

DR. MED. WALTER BRUNNER, RORSCHACH, SWITZERLAND
PROF. DR. MED. NICOLAS DEMARTINES, LAUSANNE, SWITZERLAND
PROF. DR. MED. DIETER HAHNLOSER, LAUSANNE, SWITZERLAND
PROF. DR. MED. FRIEDRICH HERBST, WIEN, AUSTRIA
PROF. DR. MED. NORBERT SENNINGER, MÜNSTER, GERMANY
PROF. DR. MED. HENK O. TEN CATE HOEDEMAKER, GRONINGEN, THE NETHERLANDS
PROF. DR. MED. HARRY VAN GOOR, NIJMEGEN, THE NETHERLANDS

GUEST FACULTY

DR. MED. KATRIN BERMOSER, HALL I. TIROL, AUSTRIA
DOZ. DR. GERSH SILBERHUMER, WIEN, AUSTRIA
DR. MED. ALEXANDER SZYSZKOWITZ, GRAZ, AUSTRIA
DR. OTMAR BUYNE, NIJMEGEN, THE NETHERLANDS
DR. MED. GERALD SEITINGER, GRAZ, AUSTRIA
DOZ. DR. MED. ALEXANDER PETTER, WIEN, AUSTRIA
DR. MED. HENRY HOFFMANN, BASEL, SWITZERLAND
PROF. DR. ULRICH DIETZ, WÜRZBURG, GERMANY
PRIV. DOZ. DR. MED. RENÉ FORTELLY, WIEN, AUSTRIA
UNIV. DOZ. DR. MED. ANDREAS SHAMIYEH, LINZ, AUSTRIA
PRIV. DOZ. DR. MED. ALEXANDER PETTER, WIEN, AUSTRIA
DR. MED. GERALD SEITTINGER, GRAZ, AUSTRIA
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controlled liquid anchor delivery has proven to have higher shear strength as compared to an advanced tacking device
no mechanical trauma for repair of soft tissue defects of the abdominal wall, repair of inguinal and incisional hernias
titanium coated surface, large pored mesh structure, self deploying for fast and effective laparoscopic handling
light-weight and flexible

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GENERAL INFORMATION
ADVANCED COURSE

PRACTICAL EXERCISES ACCORDING TO INDIVIDUAL SCHEDULE
The schedule of practical exercises is given in colors at the end of the program outline.

COLORECTAL SURGERY MODULE
ACC

HERNIA SURGERY MODULE
ACH

PROGRAM OF LECTURES
Lectures will be held daily in conjunction with the practical exercises as of the following pages.

SURGICAL INSTRUMENTS
Participants are requested to bring their own surgical instruments along to Davos which should include the following:
- 1 large needle holder (approx. 20 cm)
- 1 short needle holder (approx. 12 cm)
- 1 pair of fine long forceps (non-toothed)
- 1 pair of short forceps
- 1 pair of dissecting scissors
- 1 pair of straight-stitch cutting scissors
- 6–10 fine artery forceps (mosquitos)

SMART PHONES AND LAPTOPS
Participants are requested to bring their smart phones and laptops for the interactive sessions and voting, as well as literature research.

CONFIRMATION OF PARTICIPATION AND DIPLOMAS
Certificates will be available at the end of each module of the advanced course. All participants, including instructors must hand in their personal evaluation sheets in exchange for the diplomas.
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## ALL PRACTICAL EXERCISES WILL TAKE PLACE AT
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### SATURDAY, 01.04.2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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</thead>
</table>
| 13:00–15:45 | **ACC - COLORECTAL**<br>— W. BRUNNER, RORSCHACH / F. HERBST, WIEN / H. VAN GOOR, NIJMEGEN  
**Trocar placement**
**Suture techniques: extracorp / intracorp**
**POP TRAINER** |

### SUNDAY, 02.04.2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
</tr>
</thead>
</table>
| 08:00–09:30 | **ACC - COLORECTAL**<br>— F. HERBST, WIEN / G. SILBERHUMER, WIEN  
**Left side anastomosis**
**GI TRAINER** |
| 15:30–17:15 | **ACC - COLORECTAL**<br>— W. BRUNNER, RORSCHACH / A. SHAMIYEH, LINZ  
**Dissection and Vessel management I**
**POP TRAINER** |
### MONDAY, 03.04.2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Module</th>
<th>Speaker(s)</th>
<th>Topic</th>
<th>Trainer</th>
</tr>
</thead>
</table>
| 08.00–09.30 | ACC - COLORECTAL | W. Brunner, Rorschach / G. Seiteringer, Graz | Right side anastomosis I
Extracorporal / intracorporal | POP TRAINER |

### TUESDAY, 04.04.2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Module</th>
<th>Speaker(s)</th>
<th>Topic</th>
<th>Trainer</th>
</tr>
</thead>
</table>
| 08.00–09.30 | ACC - COLORECTAL | A. Shamiyeh, Linz / G. Seiteringer, Graz | Right side anastomosis II
Extracorporal / intracorporal | GI TRAINER |
TAPP Training
Ventral hernia repair
Suture exercises | PELVI TRAINER |
### WEDNESDAY, 05.04.2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Module</th>
<th>Speakers</th>
<th>Activities</th>
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<tbody>
<tr>
<td>08.00–09.30</td>
<td>ACH - HERNIA</td>
<td>— O. BUYNE, NIJMEGEN / U. DIETZ, WÜRZBURG</td>
<td>Working groups I, TAPP Training, Ventral hernia repair, Suture exercises</td>
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<td>PELVI TRAINER</td>
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<td>Mesh placement and fixation, glue</td>
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<td>PELVI TRAINER, GI TRAINER</td>
</tr>
</tbody>
</table>

### THURSDAY, 06.04.2017

<table>
<thead>
<tr>
<th>Time</th>
<th>Module</th>
<th>Speakers</th>
<th>Activities</th>
</tr>
</thead>
<tbody>
<tr>
<td>08.00–09.30</td>
<td>ACH - HERNIA</td>
<td>— O. BUYNE, NIJMEGEN / R. FORTELNY, WIEN</td>
<td>Parastomal hernia, Adhesiolysis</td>
</tr>
<tr>
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<td>PELVI TRAINER</td>
</tr>
</tbody>
</table>
“Wow”

The clinical response most commonly heard when surgeons first experience the new HARMONIC® HD 1000i.

Unmatched precision with a unique jaw shape that reduces the need to use a separate dedicated dissecting instrument.

Unparalleled strength with a blade design that delivers more secure seals, even in the most challenging conditions.

Optimal efficiency from increased sealing speed, multi-functionality, and simplified steps for use.

1. In a design validation study with surgeons (n=33) operating in simulated procedures in an animate porcine laboratory model (26/33). Ethicon, DOC029888A Buccaneer Design Validation Study - Marketing Questions, May 2016, Data on File #053344-160516.

2. In a pre-clinical study, 100% (56/56) of porcine blood vessels remained hemostatic over a 30 day survival period. Ethicon, PSB004423 Survival Pig Binder, March 2015, Data on File #049399-160315.

3. In a benchtop study with 5/7mm porcine carotid arteries that compared median burst pressure, HARMONIC® HD 1000i (1878 mmHg) vs. LigaSure Impact™ (1224 mmHg) (p<0.0001). Ethicon, PRC074054A Buccaneer Thermal Spread and Burst Claims, February 2016, Data on File #049305-160315.

4. In a benchtop study with 5/7mm porcine carotid arteries that compared median burst pressure, HARMONIC® HD 1000i (1878 mmHg) vs. LigaSure™ Maryland (1171 mmHg) (p<0.0001). Ethicon, PRC074054A Buccaneer Thermal Spread and Burst Claims, February 2016, Data on File #049305-160315.

5. In a design validation study with surgeons (n=33) operating in simulated procedures in an animate porcine laboratory model (26/33). Ethicon, DOC029888A Buccaneer Design Validation Study - Marketing Questions, May 2016, Data on File #053344-160516.

6. In a porcine study comparing sealing times of HARMONIC® ACE+7 and HARMONIC® HD 1000i. HARMONIC® HD 1000i Shears transected vessels faster than HARMONIC® ACE+7 (mean vessel transaction time of 9.186 seconds vs 15.291 seconds). Ethicon, PRC074125B Buccaneer DV Vessel Transaction Speed, April 2015, Data on File #051753-160420.


Please always refer to the Instructions for Use / Package Insert that come with the device for the most current and complete instructions.

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Johnson & Johnson AG
Gubelstrasse 34
CH-6300 Zug

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ACH - HERNIA
— W. BRUNNER, RORSCHACH / H. VAN GOOR, NIJMEGEN

16.30–18.00

- Working groups II
- TAPP Training
- Ventral hernia repair
- Suture exercises
- Mesh placement and fixation, glue

PELVI TRAINER, GI TRAINER

THURSDAY, 06.04.2017

ALL PRACTICAL EXERCISES WILL TAKE PLACE AT
ROOM JAKOBSHORN

"Wow"

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1. In a design validation study with surgeons (n=33) operating in simulated procedures in an animate porcine laboratory model (26/33) Ethicon, DOC021988A Buccaneer Design Validation Study – Marketing Questions, May 2016, Data on File #053344
2. In a pre-clinical study, 100% (56/56) of porcine blood vessels remained hemostatic over a 30 day survival period. Ethicon, PSB004423 Survival Pig Binder, March 2015, Data on File #049339
3. In a benchtop study with 5mm porcine carotid arteries that compared median burst pressure, HARMONIC® HD 1000i (1878 mmHg) vs. LigaSure Impact™ (1224 mmHg) (p<0.0001). Ethicon, PRC074054A Buccaneer Thermal Spread and Burst Claims, February 2016, Data on File #049305
4. In a benchtop study with 5mm porcine carotid arteries that compared median burst pressure, HARMONIC® HD 1000i (1878 mmHg) vs. LigaSure™ Maryland (1171 mmHg) (p<0.0001). Ethicon, PRC074054A Buccaneer Thermal Spread and Burst Claims, February 2016, Data on File #049315-160315
5. In a design validation study with surgeons (n=33) operating in simulated procedures in an animate porcine laboratory model (26/33) Ethicon, DOC021988A Buccaneer Design Validation Study – Marketing Questions, May 2016, Data on File #053344
6. In a porcine study comparing sealing times of HARMONIC® ACE+ and HARMONIC® HD 1000i. HARMONIC® HD 1000i Shears transected vessels faster than HARMONIC® ACE+7 (mean vessel transection time of 9.186 seconds vs 15.291 seconds). Ethicon, PRC074125B Buccaneer DV Vessel Transaction Speed, April 2015, Data on File #051753
7. Design Validation Study with surgeons (n=33) operating in simulated procedures in an animate porcine laboratory model (33/33) Ethicon, DOC021988A Buccaneer Design Validation Study – Marketing Questions, May 2016, Data on File #053346