Final Programme

ECTES 2012
13th European Congress of Trauma & Emergency Surgery

many ways – one goal

May 12 – 15, 2012
Basel / Switzerland

Organised by
European Society for Trauma & Emergency Surgery

In cooperation with
SGTV: Swiss Society of Traumatology and Insurance Medicine
SGACT: Swiss Society for General Surgery and Traumatology

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MESSAGE FROM THE PRESIDENT

On behalf of the European Society for Trauma and Emergency Surgery (ESTES), with its 10,000 members from 79 countries, I invite you to the 13th European Congress for Trauma and Emergency Surgery (ECTES) to be held in Basel, Switzerland from May 12-15, 2012. At the meeting we will focus on a broad range of Trauma related topics under the title: Many Ways – One Goal!

The “One Goal” is to provide trauma patients with the best possible care. This can only be achieved, when the care they receive is coordinated, timely and most importantly, of the highest quality. Whether our patients suffer from accidents, disasters, or diseases requiring resuscitation, emergency care, surgery, intensive care, and rehabilitation, as Trauma Surgeons it is our responsibility and indeed our privilege to oversee their care throughout the pre-, intra- and post-operative periods.

Providing the highest-quality care in a coordinated and comprehensive manner requires a high level of education, training, and experience. As the new President of ESTES, I am committed to providing opportunities for education, training and experience through the promotion of training programmes, courses and scientific communication. At the heart of this effort is our society’s journal “The European Journal of Trauma and Emergency Surgery (EJTES)”, which alongside the society has become an internationally recognised leading voice in the field.

While many aspects of trauma care, like trauma systems, emergency surgery and trauma education and intra-hospital organisation, vary in our member countries, ESTES strives to act as a single unifying voice focused on the delivery of high-quality care. With this in mind, ESTES is working to develop a Pan European Trauma Registry to standardise best practices in trauma care throughout Europe.

Please join us in Basel at the 13th European Congress of Trauma and Emergency Surgery. The Congress Presidents, Dominik Heim and Reto Babst, have done a superb job of organising a stimulating scientific programme, teaching courses, and social activities you will not want to miss. Please mark your calendars. We look forward to welcoming you to Basel!

With best regards

Prof. Dr. Ingo Marzi
President, ESTES 2011-2012
Welcome to Basel, welcome to Switzerland, welcome to the 13th European Congress of Trauma and Emergency Surgery.

All the long nights of work, the up’s and down’s in the congress presidents’ mental state, the endless mailing process, the telephone conferences, the cost bargainings, the long fruitful and fruitless discussions – are over. Not all that was planned could be realised, but other unforeseen things suddenly emerged and turned into success stories. Here it is – the scientific and social programme of the congress. The venues, the lecturers, the poster presenters, the faculty, the chairs and the congress organisation, all are ready to welcome you at this European congress in the fascinating, pulsating town of Basel, at the knee bend of the river Rhine.

We said in the 2nd announcement: “A congress is meant to be more than just a textbook, a congress is meant to be communication, a presentation of personal opinions and personal results and a start to animated discussions about new findings and new solutions to everyday and extraordinary problems”. The framework of the congress is here before you, fill it with your participation and your input, ask your questions, express your opinion and discuss your experience with your neighbour from a country maybe near, maybe far away from yours. Meet producers at their stand, test their products, let them explain the advantages, but keep in mind also their disadvantages. Be interested, be openminded, but also be sceptical, be outspoken – express yourself.

And after a long and exhausting day at the congress plunge into the social events. Join us at the opening ceremony with the (small) Vogel Gryff dance, with the alphorn sounds of Eliana Burki and discover her crossover to that funky rock sound of hers with iAlpinisti. Join us at the football stadium of the Swiss champion of football, lend your ears to George Gruntz, the old, legendary Jazz pianist, that famous composer and bandleader in his concert together with Franco Ambrosetti, one of the finest trumpet players. With a bit of luck we might be guests at a jam session with Max Lässer before we dance to his modern interpretation of traditional Swiss folk dances with his Ueberlandorchester. Stay to the very end of the congress and say goodbye to Basel in the closing ceremony together with the Bajass Clique, one of the most popular carnaval groups of Basel.

And for all those, who prefer to explore Basel on their own, a list of places to go, exhibitions, concerts and movie theatres will be inserted in your congress bag. “A congress is meant to be more than just a congress” – we said in the 2nd announcement – “a congress is embedded in its environment and this environment is rich in Basel. Basel would like to share its richness in culture, in humanism and in all its intellectual acumen with you”.

We wish you a pleasant stay in Basel at the 13th European Congress of Trauma and Emergency Surgery”. Enjoy!
IMPORTANT ADDRESSES

PROFESSIONAL CONGRESS ORGANISER, SCIENTIFIC SECRETARIAT, SPONSORSHIP & HOUSING

Mondial

MONDIAL CONGRESS & EVENTS
Operngasse 20b, 1040 Vienna, Austria
Tel.: +43 1 58804 0, Fax: +43 1 58804 185
e-mail: ectes2012@mondial-congress.com

COMMERCIAL EXHIBITION

MAW
Medizinische Ausstellungs- und Werbegesellschaft
International Exhibitions & Advertising
Freyung 6/3, 1010 Vienna, Austria
Tel.: +43 1 536 63 42, Fax: +43 1 535 60 16
e-mail: maw@media.co.at

CONGRESS VENUE

Congress Centre Basel
MCH Messe Schweiz (Basel) AG
4005 Basel, Switzerland
www.congress.ch

How to reach the venue

Public transport:
If you take tram no. 1 or 2, you can reach the Congress Centre Basel from the Swiss or French (SBB/SNCF) railway station in 10 minutes or from the German (DB) station (Badischer Bahnhof) in 5 minutes by tram no. 2 or 6. The Station is called “Messeplatz”.

Car travel:
The Congress Centre Basel and the trade-fair grounds have their own motorway exit. The “Messe” exit from the A2 motorway leads directly to the fair and congress ground. There is a multi-storey car park.

Rail travel:
Basel is an international rail hub: direct ICE, IC and EC daytime and nighttime connections from Germany, Austria, Italy, France and the Benelux countries.
All three of Basel’s railway stations – SBB (Switzerland), SNCF (France) and DB (Badischer Bahnhof, Germany) – are located 5-10 minutes from the Congress Centre Basel. Take Tram no. 1, 2 or 6 to the station “Messeplatz”.

SOCIETY WEBSITE

Find out more about ESTES and the annual congress on the official society website, www.estesonline.org.
14th European Congress of Trauma & Emergency Surgery

Working together to save lives

May 4 - 7, 2013
Lyon / France

Organised by
European Society for Trauma & Emergency Surgery

In cooperation with
Société Française de Chirurgie d’Urgence

www.estesonline.org
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Babst Reto – Lucerne, Switzerland

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Nijs Stefaan – Leuven, Belgium
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Oğçu Güvenir – Manisa, Turkey
Pantelis Vassiliu – Haidari, Greece
Peitzman Andrew B. – Pittsburgh, USA
Pinheiro Luis Filipe – Viseu, Portugal
Pons François – Clamart, France
Scalea Thomas – Baltimore, USA
Schwab William C. – Philadelphia, USA
Senekovic Vladimir – Ljubljana, Slovenia
Siebert Hartmut –
Schwäbisch Hall, Germany
Simko Peter – Bratislava, Slovakia
Stergiopoulos Spiros – Athens, Greece
Trentz Otnar – Zurich, Switzerland
Turégano Fernando – Madrid, Spain
Uranues Selman – Graz, Austria
Varga Endre – Szeged, Hungary
Wendsche Peter – Brno, Czech Republic
Wilson Alastair – London, United Kingdom
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Zago Mauro – Milan, Italy
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Marzi Ingo – Frankfurt, Germany

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Turégano Fernando – Madrid, Spain

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Heim Dominik – Frutigen, Switzerland

Visceral Trauma
Leenen Luke – Utrecht, The Netherlands
Vassiliu Pantelis – Haidari, Greece

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Kirjavainen Mikko – Helsinki, Finland
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Okçu Güvenir – Manisa, Turkey
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Pons Francois – Clamart, France
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Stergiopoulos Spiros – Athens, Greece
Varga Endre – Szeged, Hungary
Wendische Peter – Brno, Czech Republic
Yanar Hakan – Istanbul, Turkey
Zago Mauro – Milan, Italy

INVITED FACULTY

For the full list of invited speakers and chairpersons please turn to page 155.
ACKNOWLEDGEMENTS OF GUEST SOCIETIES

Special thanks to the following societies and organisations which responded to our invitation and organised a guest symposium at the 13th European Congress of Trauma and Emergency Surgery.

- Swiss Society of Traumatology and Insurance Medicine
- Swiss Society for General Surgery and Traumatology
- AO Trauma
- Küntscher Society
- EFORT – European Federation of National Associations of Orthopedics and Traumatology
- EFOST – European Federation of National Associations of Orthopedics Sports Traumatology
- SGC – Swiss Society of Surgery
- EBJIS – European Bone and Joint Infection Society
- SGOT – Swiss Society of Orthopaedics and Traumatology
- SOFCOT – SociétéFrançaise de Chirurgie Orthopédique et Traumatologique
- World Health Organisation
SPONSOR ACKNOWLEDGEMENTS

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Zimmer

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Eptinger
Suva
ESTES wishes to express its gratitude to the exhibitors for participating in the 13th European Congress of Trauma and Emergency Surgery. Participants are invited to visit the Commercial Exhibition in the Exhibition Hall of the Congress Venue. A detailed floor plan will be available in front of the entrance to the Exhibition Hall.

EXHIBITION OPENING HOURS

- Saturday, May 12, 2012: 16:00 – 19:00
- Sunday, May 13, 2012: 08:00 – 20:00
- Monday, May 14, 2012: 08:00 – 18:00
- Tuesday, May 15, 2012: 08:00 – 17:00

LIST OF EXHIBITORS (as per printing date)

- AO TRAUMA, Davos, Switzerland
- B. BRAUN AESCULAP, Tuttingen, Germany
- BAUERFEIND, Oberrohrdorf, Germany
- BAXTER, Zürich, Switzerland
- BIMET, Bridgend, United Kingdom
- COSANUM, Schlieren, Switzerland
- DE PUY, Spreitenbach, Switzerland
- ESTES, Vienna, Austria
- GEXFIX, Courage, Switzerland
- KCI MEDICAL, Rümlang, Germany
- KÖNIGSEE IMPLANTATE, Allendorf, Germany
- LODOX SYSTEMS, Johannisburg, South Africa
- MATHYS, Bettlach, Switzerland
- MED SKIN SOLUTIONS DR. SUWELACK, Billerbeck, Germany
- MEDARTIS, Basel, Switzerland
- MEDIN, Nove Mesto Na Morave, Czech Republic
- MEDTRONIC, Münchenbuchsee, Switzerland
- MEDXPERT, Heitersheim, Germany
- NYCOMED, Dübendorf, Switzerland
- OPED, Cham, Switzerland
- OSSATEC, An Uden, The Netherlands
- PFIZER, Zürich, Switzerland
- SCHWEIZER RETTUNGSFLUGWACHT, Zürich, Switzerland
- SMITH & NEPHEW ORTHOPAEDICS, Baar, Switzerland
- SONOSITE, Hitchin, United Kingdom
- SYNBONE, Malans, Switzerland
- SYNTHES, Oberdorf, Switzerland
- VIDACARE, Schipol Rijk, The Netherlands
- WISEPRESS, London, United Kingdom
- ZIMMER, Winterthur, Switzerland
The Registration Area is located on the ground floor. The Mondial Congress & Events team and the congress hostesses will be pleased to help you with all inquiries regarding registration, congress material, hotel accommodation and the social programme. Please do not hesitate to approach the team members if there is anything they can do to make your stay more enjoyable.

**OPENING HOURS REGISTRATION AREA**

<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Saturday, May 12, 2012</td>
<td>16:00 – 19:00</td>
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<tr>
<td>Sunday, May 13, 2012</td>
<td>06:30 – 19:00</td>
</tr>
<tr>
<td>Monday, May 14, 2012</td>
<td>07:00 – 18:00</td>
</tr>
<tr>
<td>Tuesday, May 15, 2012</td>
<td>07:00 – 17:30</td>
</tr>
</tbody>
</table>

**Registration Counter**
The registration counter can be reached onsite through the following telephone number:
Tel: +43 676 845 880 701

**PRE-REGISTRATION COUNTER**
For participants who are already registered: Please have the confirmation letters sent by Mondial Congress & Events close at hand.
If you still have an outstanding payment you may settle your account in cash in Euro (€) only or by credit card (Visa, Mastercard, American Express, and Diners Club will be accepted).

**ON-SITE REGISTRATION COUNTER**
For participants registering and paying their registration fees on-site: You will need to fill out an on-site registration form. Payments will be accepted in cash in Euro (€) only or by credit card (Visa, Mastercard, American Express and Diners Club will be accepted).

**BASEL INFO & TOURS**
In addition, optional tours may be booked on-site. Discover Basel, its history, culture, tradition, arts, gastronomy, and get a general feeling of the way of life in Basel. The staff at the City Info & Tour Counter will also gladly help you get oriented in Basel and provide information on restaurants, transportation and further local services.

**City Info & Tour Counter Opening Hours:**
<table>
<thead>
<tr>
<th>Date</th>
<th>Time</th>
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<tbody>
<tr>
<td>Sunday, May 13, 2012</td>
<td>10:00 – 16:00</td>
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<tr>
<td>Monday, May 14, 2012</td>
<td>10:00 – 16:00</td>
</tr>
<tr>
<td>Tuesday, May 15, 2012</td>
<td>10:00 – 16:00</td>
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</tbody>
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**ON-SITE REGISTRATION FEES**

<table>
<thead>
<tr>
<th>Category</th>
<th>Fee (EUR)</th>
</tr>
</thead>
<tbody>
<tr>
<td>Individual Member ESTES</td>
<td>510.–</td>
</tr>
<tr>
<td>Member ESTES Resident</td>
<td>220.–</td>
</tr>
<tr>
<td>Non-Member</td>
<td>565.–</td>
</tr>
<tr>
<td>Nursing/Paramedic Staff</td>
<td>220.–</td>
</tr>
<tr>
<td>Student</td>
<td>110.–</td>
</tr>
<tr>
<td>Day Ticket Nursing Staff</td>
<td>135.–</td>
</tr>
<tr>
<td>Institutional Member ESTES</td>
<td>510.–</td>
</tr>
<tr>
<td>Member SGTV/SGACT</td>
<td>300.–</td>
</tr>
<tr>
<td>Non-Member Resident</td>
<td>300.–</td>
</tr>
<tr>
<td>Day Ticket</td>
<td>235.–</td>
</tr>
<tr>
<td>Accompanying person</td>
<td>165.–</td>
</tr>
</tbody>
</table>

**Please note:** Members, residents and nursing staff need to provide written proof of their membership/residency/nursing activity when registering, otherwise non-member fees will apply. Students need to provide written proof of their studies to be eligible for the student fee.
REGISTRATION AREA

THE PARTICIPANTS’ REGISTRATION FEE INCLUDES:
(Members, Non-Members, Residents, Nursing Staff, Paramedics and Students)
- Admission to all Scientific Sessions
- Admission to Scientific Poster Area, Internet Points and Commercial Exhibition
- Congress materials (congress bag, final programme, badge)
- Certificate of Attendance
- Coffee Breaks
- Opening Ceremony & Welcome Reception
- Closing Ceremony

DAY TICKET REGISTRATION FEE INCLUDES
- Admission to all Scientific Sessions on that day
- Admission to Scientific Poster Area, Internet Points and Commercial Exhibition on that day
- Congress materials (congress bag, final programme, badge)
- Certificate of Attendance
- Coffee Break at that day only
- Opening Ceremony & Welcome Reception or Closing Ceremony (only applicable for day tickets valid on day of ceremony)

ACCOMPANYING PERSONS’ REGISTRATION FEE INCLUDES:
- Opening Ceremony & Welcome Reception
- Admission to general areas of the Congress venue – not to Scientific Sessions!
- Coffee Breaks
- Closing Ceremony

Congress Material
Upon registration, you will receive your registration documents and your congress bag.

Name Badges
Participants will receive their name badges when collecting their congress material. You are kindly requested to wear your name badge during all congress events, including the Opening Ceremony, the Welcome Reception and the Closing Ceremony. Please note that admission to Scientific Sessions is strictly restricted to participants wearing their badges. Accompanying persons are not entitled to attend the Scientific Sessions.

The following badge colours are used at the Congress:

<table>
<thead>
<tr>
<th>Invited Faculty</th>
<th>Honorary Member</th>
</tr>
</thead>
<tbody>
<tr>
<td>Accompanying Person</td>
<td>Congress Delegates</td>
</tr>
<tr>
<td>Day Ticket</td>
<td>Staff</td>
</tr>
</tbody>
</table>

PAYMENT
Please note that all on-site payments should be made in Euro (€) only or by credit card (Visa, Mastercard, American Express & Diners Club will be accepted). Unfortunately, we cannot accept traveller’s cheques, other credit cards, Euro cheques or other currencies.
CME CREDITS

The scientific programme of the 13th European Congress of Trauma and Emergency Surgery is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists.

The 13th European Congress of Trauma and Emergency Surgery has been accredited with 18 CME Credits.

The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.uems.net.

EACCME credits are recognised by the American Medical Association towards the Physician’s Recognition Award (PRA). To convert EACCME credits to AMA PRA category 1 credits, please contact the AMA.

SWISS CREDITS

The scientific programme of the 13th European Congress of Trauma and Emergency Surgery is accredited by the Swiss Society of Surgery (SGC) with 18 Credits and by the Swiss Society of Orthopedics and Traumatology (SGOT) with 25 Credits.

BEST ORAL PRESENTATION & BEST POSTER AWARDS

The three Awards for Best Oral Presentation (of EUR 1000.–, 500.–, free congress registration for ECTES 2013) and the three Best Poster Awards (of EUR 1000.–, 500.–, free congress registration for ECTES 2013) will be presented during the Closing Ceremony on Tuesday, May 15, 2012. Please note that award winners need to be present at the ceremony to be eligible to receive the prize.

ABSTRACT ONLINE SUPPLEMENT

You will find the abstracts of the 13th European Congress of Trauma and Emergency Surgery at the online archive of the “European Journal of Trauma and Emergency Surgery”.

To access the publications please follow this link:
http://www.springerlink.com/content/1863-9933/38/s1

CERTIFICATE OF ATTENDANCE

Your Certificate of Attendance will be included in your Congress materials available at the registration desk.

CONGRESS LANGUAGE

The official language of the Congress is English. No simultaneous interpretation will be provided.

PREVIEW CENTRE

The Preview Centre is located in the Hall Nairobi.

Staff and equipment will be available for you to arrange and preview your PowerPoint presentation.

Please find more detailed information on page 16.
CONGRESS INFORMATION

SCIENTIFIC POSTER AREA
All Scientific Posters can be viewed throughout the Congress in Hall San Francisco.

INTERNET ACCESS
Internet Points are available within the Exhibition Area. Free Wireless Internet is available at the Congress Centre.

ESTES BOOTH
For matters regarding ESTES membership, the 2013 ESTES congress in Lyon, France and other ESTES activities, participants are cordially invited to visit the ESTES booth in the Exhibition Hall.

CLOAKROOM
A cloakroom and luggage storage facilities are available in the foyer on the second floor.

SMOKING
For health and security reasons and as a courtesy to non-smoking participants, you are kindly requested to refrain from smoking inside the Congress Venue. Smoking areas are available outside the main entrance.

CONGRESS STAFF
The Mondial Congress & Events team members are present at the registration counter and congress hostesses are present in all lecture rooms as well as at the preview centre and as badge monitors. Do not hesitate to approach them with queries – they will gladly assist you. You will recognise the Mondial Congress & Events staff wearing black suits with yellow scarves or ties.

FIRST AID
In case of need, please contact the staff at the registration desk.

COFFEE BREAKS
Coffee during the indicated coffee breaks are included in the registration fee and will be served in the Exhibition Area.

CAR PARK
It is highly recommended to use public transportation. In case you want to travel with your own car, there is a multi-storey car park at the Exhibition Square.
CONGRESS GUIDELINES & INFORMATION

OPENING HOURS PREVIEW CENTRE

Saturday, May 12, 2012  16:00 – 19:00
Sunday, May 13, 2012  06:30 – 19:00
Monday, May 14, 2012  07:00 – 18:00
Tuesday, May 15, 2012  07:00 – 16:30

IF YOU ARE A CHAIRPERSON

1. Please locate your session room in due time. Please be at your session room at least 15 minutes prior to the start of the session.
2. We may remind you that speakers need to strictly adhere the time schedule. Panelists should not speak before they are recognised by the chair and must first clearly state their name, institution and country of origin.
3. Please fill in the questionnaire which will be handed to you after the respective session.

IF YOU ARE A SPEAKER IN A SESSION

1. Please locate your session room in due time. Please be at your session room at least 15 minutes prior to the start of the session.
2. Speakers should deliver and view/check their PowerPoint presentations at the Preview Centre (located on Foyer 2 – next to the exhibiton area) at least 3 hours prior to the start of the respective session.
For sessions starting at 08:30, the PowerPoint presentations should be delivered the previous day.
In order to avoid any delays, speakers are kindly requested to hand in their PowerPoint presentations on CD-ROM or USB. If you bring your own laptop, the presentation will be transferred onsite in the Preview Centre.
If you want to bring your own laptop, it is crucial to make this known in the Preview Centre 3 hours in advance for organisational reasons.
Speakers are not permitted to take PowerPoint presentations directly to the technical assistant in the session rooms.
Please note that your speaking time as indicated has to be strictly followed: oral = 6 min, poster = 2 min, key-note = 15 min (In some sessions key-notes may last only 10 min). Your speaking time will be displayed during your presentation.
In case you exceed your speaking time, yellow and red cards will be held up by the chairmen.
Yellow Card: Wrap it up!
Red Card: Your speaking and discussion time is up!
Rest assured that your files will be deleted from the congress server after your presentation.

The three best oral presentations will be chosen by a jury and receive the Best Oral Presentation Awards in the Closing Ceremony on Tuesday, May 15, 2012, from 17:00 - 18:00.
IF YOU ARE PRESENTING A POSTER

The Poster Area is located in Hall San Francisco.

Each poster will be displayed for the entire duration of the Congress. Posters have to be mounted on Sunday, May 13, 2012, between 08:30 and 11:00.

Please attach the poster to the board with the corresponding poster placement number and remove it on Tuesday, May 15, 2012, between 15:30 and 18:00, otherwise the staff will dispose of it.

Tape for mounting the posters will be available in the Poster area. Please note that only this tape may be used for mounting posters to avoid damaging the panel surface.

Out of the 50 best posters (they will be marked with a yellow sheet) the poster committee will choose the 12 best ones (they will be marked with a blue ribbon) which will be presented in the Selected Best Poster Presentations Session on Tuesday, May 15, 2012, from 15:15 to 16:45 in Hall Sydney. The authors of the 12 best posters will be asked to prepare a short presentation (2 minutes plus 2 minutes discussion) of their poster.

The prizes for the 3 best posters will be awarded to the winners at the Closing Ceremony, which takes place on Tuesday, May 15, 2012, at 17:00. Please note that winners have to be present at the ceremony in order to be eligible to receive the prize.

If you have any questions regarding your poster(s), please do not hesitate to contact the staff at the registration desk.

IF YOU ARE A SPEAKER IN A POSTER SESSION

Please refer to the poster guidelines above for mounting your poster and the poster awards.

Additionally, your poster will also be presented in a poster session. A two-minute presentation (with an additional two-minute discussion time) of your poster needs to be prepared for your presentation in the poster sessions.

Please refer to the speaker guidelines on page 14 for further instructions regarding your PowerPoint presentation.
OPENING CEREMONY

Sunday, May 13, 2012, 18:00 – 19:00
Location: Hall Singapore
Moderator: Dominik Heim, Frutigen, Switzerland

Opening Ceremony Agenda

• Commencing ECTES 2012: The (small) Vogel Gryff dance: children from the civil orphanage Basel
• Congress President’s Address, Reto Babst
• Welcome Addresses
  • Guy Morin
    President of the government of Basel-Stadt
  • Antonio Loprieno
    Vice Chancellor University Basel
• „Traditional“ Switzerland: Eliana Burki, Solothurn, Switzerland

Eliana Burki (born 1983) was never fond of piano-playing, that her mother wanted her to perform. At the age of 6 she discovered the alphorn, which became her favourite instrument. She played it at traditional musical meetings and was often the only woman among men, but decided then not to appear in traditional Swiss clothes anymore. She started to use the alphorn in Funk, Pop- and Jazz-songs. Eliana Burki has become since a worldwide-known Swiss musician who plays her alphorn with her band iAlpinisti throughout the world. Eliana Burki is also engaged in the musical therapy for children with mucoviszidosis at the Children’s Clinic in Davos. Her latest CD is called “Travellin root” (2011).

Eliana Burki’s and iAlpinisti’s appearance is sponsored by Nationale Suisse

• ESTES President’s Address, Ingo Marzi
• Congress Grants Awards by Ingo Marzi, ESTES President
• Proclamation of New Honorary Members: Urs Heim, Switzerland, Peter Wendsche, Czech Republic, and Hans Jörg Oestern, Germany
• Closing Remarks by Congress President, Dominik Heim
OFFICIAL SOCIAL PROGRAMME

WELCOME RECEPTION

Sunday, May 13, 2012, 19:00 – 20:00
Location: Exhibition Hall

Toast to the success of the Congress during the Welcome Reception in the Exhibition Hall, where drinks and snacks will be offered, accompanied by Eliana Burki and iAlpinisti. The remainder of the evening is at your disposal, to offer you an opportunity to explore Basel and its many highlights.

Concert of Eliana Burki and iAlpinisti

The Welcome Reception is sponsored by the city of Basel.

OFFICIAL CONGRESS EVENT – SWISS EVENING

Monday, May 14, 2012, 19:00 – approx. 23:00
Location: St. Jakob Park

Spend an unforgettable evening at the football stadium “The Joggeli”, home of the Swiss football Champion, FCB. The stadium can be reached by public tramways from the Congress Centre. The “Joggeli” is the biggest football stadium in Switzerland and offers places for over 40’000 persons. It was one of the 4 stadiums used during the European Championship in 2008. The football Club of Basel, FCB, is the most famous, prestigious and popular football club of Switzerland. From 2009, Torsten Fink was its successful trainer (unfortunately he just left during the season and was replaced by Heiko Vogel). Fink won the double in his first year already (cup and championship). No town in Switzerland is as “crazy” about its football-team than Basel. Enter the stadium by the tunnel with the music of the Champions League, be inspired by the air of competition, of glory and despair, or – on the overall – of success.

Dinner will be served in the Premium Lounge, where usually the VIP’s are entertained during the matches – feel like a VIP, enjoy dinner and ...enjoy the grand old man of Jazz, George Gruntz. He is one of the world’s most famous Jazz composers. The George Gruntz Concert Jazz Band was founded in 1972, many outstanding concerts in various formations were performed and recorded, its latest is called “Matterhorn matters” – Swiss Jazz music at its best. George Gruntz will appear with Franco Ambrosetti, be inspired by his fire on the piano, by his sublime melodies and by his lifelong experience as a Jazz man – meet him and forget surgery for an evening of Jazz! The evening will end with “Max Lässer and the Ueberlandorchester”, a very special musical formation, that combines traditional Swiss dance music with modern sounds. We expect a jam session of those two musicians and their bands, as they know each other personally – a musical highlight at a medical congress. Let them entertain you at the end of the Swiss evening and dance with “MaxLässer and the Ueberlandorchester” – into the night.

Dress code: casual, come as you are

Contribution per Person: Pre-Sale: EUR 65.– Onsite-Sale: EUR 80.–

Tickets: Limited number of tickets still available – ask at the registration counter.
Swiss Evening Agenda

- Meeting point on the Terrace between the Restaurant Uno and the Office Communication AG
- Official Entrance into the Stadium
- Greetings in the Premium Lounge
  - Welcome Addresses by the ESTES President Ingo Marzi and the FCB President Bernhard Heusler
- Concert George Gruntz, Basel and Franco Ambrosetti, Lugano, Switzerland

George Gruntz (born 1932) is a Swiss pianist-composer-arranger, who is also called “Europe’s godfather of Jazz orchestras" (Down Beat Magazine, Chicago). In the sixties he toured as a pianist with people such as Phil Woods, Dexter Gordon, Chet Baker, Rahsaan Roland Kirk and many others. From 1972 to 1994 he was the musical director of the Berlin Jazz Festival. In 1971 he founded the George Gruntz Concert Jazz Band, one of the most famous and well-known Big Bands of the world. Gruntz has also written Jazz Operas such as the “World Jazz Opera" 1973 commissioned by the Opéra of Paris, “Cosmopolitan Greetings” (with Allen Ginsberg, Robert Wilson and Rolf Liebermann) 1988 and “The Magic of Flute” (with Peter O. Chotjewitz), 2003. His latest CD is “Matterhorn matters” 2010.

Franco Ambrosetti (born 1941) from Lugano is a trumpet player and flugelhornist, who is a founding member of the George Gruntz Concert Jazz Band. Franco, son of Flavio Ambrosetti, an alto-saxophonist, has played among others with John Scofield, Steve Coleman, Ron Carter and Daniel Humair. He also has a Masters degree in economics from the university of Basel.

George Gruntz’s and Franco Ambrosetti’s appearances are sponsored by The Swiss Society for Traumatology and Insurance Medicine, SGTV

- Concert Max Lässer and the Ueberlandorchester, Zurich, Switzerland

Max Lässer (born 1950) is a Swiss guitarist, composer and bandleader. In his first years he played with Swiss musicians such as Toni Vescovi, Hardy Hepp and Walter Lietha. Later he was working with Andreas Vollenweider, the world famous harp player, in “Andreas Vollenweider and friends”, with Stephan Eicher (“Engelberg”) and many others. Lässer was always engaged in and fond of Swiss traditional dance music. Many of this CD's are purely instrumental (“Max Lässer’s Ark”). In 2001 appeared the album “Ueberland”, which marked the revival of this interest in old Swiss dances. Today Max Lässer combines Swiss traditional music with lyric world music. In 2011 Max Lässer and the Ueberland Orchestra’s “ligschnett” appeared.

Max Lässer and the Ueberland Orchestra’s appearance is sponsored by Nationale Suisse.
AWARDS & CLOSING CEREMONY

Tuesday, May 15, 2012, 17:00
Location: Hall Singapore
Chairs: Dominik Heim and Reto Babst, Congress Presidents
       Ingo Marzi, ESTES President

Awards & Closing Ceremony Agenda

• Awards
  Best Posters
  Best Orals
• Musical Intermezzo with the Bajass Clique
• Closing Remarks of the ESTES President Ingo Marzi
• Handover of Society baton to Korhan Taviloglu, Incoming ESTES President of 2012 – 2013
• Closing Remarks of Congress Presidents Dominik Heim and Reto Babst
• Handover of Congress medal to Eric Voiglio, ESTES Congress President 2013
• Invitation to Lyon 2013 by Eric Voglio, ESTES Congress President 2013
• Farewell with the Bajass Clique

The Bajass Clique, Basel, Switzerland

The Bajass Clique is a traditional Basel carnival clique/group founded in 1966. They play the piccolo flute. Their marching music is combined with jazz and pop influence today. Their outfit is very special and typical for their appearance.

The Bajass’ appearance is sponsored by The Swiss insurance association, SVV.

TOURS & EXCURSIONS

Information about tours is available at the Tourism Basel counter in the Exhibition Hall. Meeting point for the Sightseeing Basel Tour is the Tourist Information Casino at the Barfüsserplatz in Basel. The Day Tours Alsace/Colmar and Lucerne/Mount Pilatus will leave from the Congress Centre.

For further information, please contact the staff at the City Info & Tours Counter – they will be happy to inform you in detail. The counter will be staffed on Sunday, May 13, 2012, Monday, May 14, 2012 and Tuesday, May 15, 2012.
GENERAL INFORMATION BASEL

CITY INFO BASEL

Basel, located in Switzerland's German-speaking region, lies on the banks of the River Rhine, in close proximity to Germany and France. Capital of the Basel-Stadt canton, it is Switzerland’s second important business centre and its third most populous city (180'000 inhabitants). Basel is home to one of Europe’s oldest universities as well as an innovative University of Applied Sciences.

A small city of global format, Basel is one of Europe’s cultural centres, witnessed by the fact that it hosts the ‘Art Basel’, the world’s leading contemporary art fair. Almost 40 museums, among them the ‘Kunstmuseum’ (housing the world’s oldest public art collection), the ‘Foundation Beyeler’, the ‘Museum Tinguely’ and the ‘Pharmacy Museum’ as well as numerous theatres, cinemas and galleries all contribute to the city’s rich cultural life.

Basel’s centre, best explored on foot, offers many landmarks, e.g. the 14th century Cathedral as well as the ‘Spalentor’, one of three remaining city gates that were originally part of the city’s fortification. Contemporary buildings designed by internationally renowned architects such as Frank O. Gehry, Zaha Hadid, Herzog & de Meuron and Renzo Piano provide a startling contrast to the Old Town.

Characterised by its cosmopolitan attitude and savoir vivre, Basel offers numerous leisure opportunities and recreational facilities – its high quality of life is appreciated by locals and visitors alike.
GENERAL INFORMATION BASEL

WEATHER CONDITIONS IN BASEL
The temperature in Basel in May usually ranges between 15–20°C by day, nights are cooler. For a detailed weather forecast, please visit [www.weather.com](http://www.weather.com) and enter “Basel”.

ELECTRICITY
The main voltage in Switzerland is 230V. Plugs have three round pins. Foreign voltage could require an adapter. Adapters can commonly be requested at the hotel front desk.

TIME
The time is Central European Time (CET) = Greenwich Mean Time (GMT) +2 in summer.

PUBLIC TRANSPORTATION
Most public transportation in the Basel Region is organised by the Basel Verkehrs-Betriebe. The network includes trams and bus lines. Timetables: Trams and Busses start to run around 06:00. On the weekend, a limited night service is available. Please consult the timetables at stops.

Fares:
In case you are staying at a hotel in Basel you will receive the mobility ticket, which entitles you to all fares within Basel.
- Standard One-Way Ticket: CHF 2.– (short distance), CHF 3.20.– (zone 1), CHF 4.– (zone 2)
  - Short-distance tickets are valid 30 minutes; it includes change of lines in the same direction. The ticket is valid for four stops from the point of departure
- 1-Day Ticket: CHF 8.50.–

SHOPPING
Shops are usually open from 08:00 – 18:30 from Monday to Friday. On Saturday shops are usually open from 08:00 to 18:00. On Sunday shops are usually closed.

TIPPING
Service is always included, tips are optional.

BANKS & LOCAL CURRENCY
Switzerland’s currency unit is the Swiss Franc (CHF). Banks are usually open Monday–Friday 8:30–12:00 and 13:30–17:00. Banks are the best place to change money, as they charge only a small commission on cash or travellers cheques.

A cash machine can be found in the Congress Centre.
GENERAL INFORMATION BASEL

INSURANCE AND LIABILITY

The organisers cannot be held responsible for any personal injury, loss, damage or accident to private property, or for additional expenses incurred as a result of delays or changes in air, rail, road or other services, strikes, sickness, weather and other causes. All participants are encouraged to make their own arrangements for health and travel insurance.

USEFUL PHONE NUMBERS

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<td>Emergency Pharmacy Basel:</td>
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ESTES SOCIETY

ESTES GENERAL ASSEMBLY
Tuesday, May 15, 2012 from 12:30, Hall Montreal

Agenda for the General Assembly
1. Opening and welcome
2. Approval of the agenda
3. Approval of the minutes of the General Assembly on April 29, 2011, in Milan, Italy
4. Election of recording secretary
5. Presidential report
6. Report of the secretary general
7. Report of the treasurer
8. Discharge of the treasurer from his responsibility
9. Appointment of the financial committee members for the year 2012
10. Report of the membership committee chairman, approval of new members
11. Report of the endorsement committee chairman
12. Report of the section chairs
15. Election of the president-elect
16. Outlook at future ESTES congresses
17. Approval of ESTES congress site 2015
18. Other businesses
19. Closing remarks

ESTES INDIVIDUAL MEMBERSHIP

Annual fees:
• Regular: EUR 100.–
• Doctors in training / non-doctors: EUR 75.–

Benefits:
• A diploma confirming your individual membership
• Free annual subscription to the official forum of the Society, the European Journal of Trauma and Emergency surgery. The journal has 6 issues per year including regular information from the society, the ordinary subscription rate is EUR 249.–.
• Significantly reduced registration fee to the annual congress of the society: For specialists a reduction of EUR 80.– at early registration, for trainees and non-physicians (who have a lower registration fee) a reduction of EUR 70.–.
• Option to be a member of the specialist sections of the society: Visceral trauma; Skeletal trauma and sports medicine; Emergency surgery; Surgical education; Disaster and military surgery
• Reduced registration fee at courses organised or endorsed by ESTES

For more information visit the ESTES Booth in the Exhibition Hall or check out the website www.estesonline.org

ESTES INTERNATIONAL VILLAGE

Come in and find out more about the history, milestones and aims of the ESTES member societies!
Location: Exhibition Area
NOTES ON THE SCIENTIFIC PROGRAMME

“CURTAIN-UP SESSIONS”

Imagine you are spending some time during a congress in a foreign country, staying in a foreign place for a few days, and you would like to know more about this place you are staying in some topics that are special about it. Such is the purpose of these sessions. To inform you further about some peculiarities of your hosting country or town or of something special in the world. Basel is home of the oldest university of Switzerland and a curtain-up session is dedicated to this old university. The International committee of the Red Cross (ICRC) has its headquarter in Geneva, Switzerland – what do we know about it? Do we know anything about the different trauma and rescue systems in Asia?

No? Come to these curtain-up sessions, get informed about something that you might not know yet. Listen to messages out of unknown worlds – get informed, curtain up!

REMO LÄNG

Sunday, May 13th, 2012, Hall Montreal, 14:00 - 15:30
“Point breaks in sports – just fun or what?”

They call him the “birdman”! Parachutist Remo Läng crossed the alps in a wingsuit on March 10th, 2012. He was the first man ever to dare such an adventure and he succeeded. After a dive from the sky from a plane at 8500 metres above Verbier, Switzerland he crossed all those Swiss and Italian alps higher than 4000 metres and landed safely after a flight of 26 kilometers in seven minutes near Aosta, Italy.

Remo Läng is 36 years old. His next project is to dive a 100 metres deep at the North Pole, something that nobody has ever tried before. The expedition, planned for 2013, will be under the lead of Thomas Ulrich, a famous mountain guide from Interlaken, Switzerland.

Why do people try things like this?
Let Remo Läng explain to you the motives, the reasons for doing it – to feel the limits.

MARKUS GROSS

Monday, May 14th, 2012, Hall Montreal, 14:00 - 15:30
The President’s lecture: “Capturing, modelling and animation of human faces for special effects in movies”

Prof. Markus Gross, 48 years old, has been professor for computer animation at the Federal Technical University (ETH) in Zurich for many years. He is also the director of Disney Research Zürich, a cooperation of the University of Zürich with Disney. A similar cooperation in the world exists at the Carnegie Mellon University of Pittsburgh only. Disney profits from the scientific and technological infrastructure of the university and finances in return young researchers. Forty scientists are working currently for this exceptional and futuristic cooperation between a university and a movie producer. By digital reproduction of movements in the human face several animation modes are becoming suddenly possible. These results and experiences might be important also for plastic and maxillofacial surgery one day. Listen to what is currently done in Zurich and think about all the chances that this movie cooperation might produce for modern surgery in the future.

Don’t miss this unique and animated lecture about something you might not know a lot about, but that is capturing, exciting and beyond your imagination.
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<td>Point Breaks in Disaster – Just Fun!</td>
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<td>17:30 - 18:00</td>
<td>Visit of posters at poster exhibition</td>
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<td>From 18:00</td>
<td>Opening Ceremony</td>
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**PROGRAMME AT A GLANCE – SUNDAY, MAY 13, 2012**
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<tr>
<th>Time</th>
<th>Hall Montreal</th>
<th>Hall Singapore</th>
<th>Hall Sydney</th>
<th>Hall Osaka &amp; Samarkand</th>
<th>Hall Rio</th>
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<tr>
<td>07:30 – 08:25</td>
<td>Video Session Disaster &amp; Military Surgery</td>
<td>Video Station Emergency Surgery</td>
<td>Video Station Skeletal Trauma</td>
<td>Video Station Visceral Trauma</td>
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<td>08:30 – 10:00</td>
<td>ILC Mentormoer Session Disaster &amp; Military Surgery with Interactive Training in Video and Primary Management in Major Injuries and Disasters</td>
<td>ILC Mentorme Session Skeletal Trauma and Visceral Emergencies</td>
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<td>10:30 – 12:00</td>
<td>ILC Event – The Acute Care Surgeon</td>
<td>ILC Event – Skeletal Trauma and Visceral Emergencies</td>
<td>ILC Event – Video Session Emergency Surgery</td>
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<td>12:00 – 12:12</td>
<td>12 to 12 Lecture Amputations of a limb under the rubble, the doctor who has to decide</td>
<td>12 to 12 Lecture Preparing for closure of the organ</td>
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<td>12:30 – 13:30</td>
<td>ESTES General Assembly</td>
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<td>15:30 – 15:15</td>
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<td>15:15-16:45</td>
<td>ILC Video Session Abdominal Trauma</td>
<td>Preselection for closing ceremony</td>
<td>Selected Best Poster Presentations</td>
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<td>ILC Disaster &amp; Military Surgery</td>
<td>Selected Best Poster Presentations</td>
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<td>17:00</td>
<td>Closing Ceremony</td>
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<td>ILC Disaster &amp; Military Surgery</td>
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**PROGRAMME AT A GLANCE – TUESDAY, MAY 15, 2012**
07:30 – 08:30  Hall Montreal
Skeletal Trauma Section Meeting

07:30 – 08:30  Hall Singapore
Visceral Trauma Section Meeting

07:30 – 08:30  Hall Sydney
Emergency Surgery Section Meeting

07:30 – 08:30  Hall Osaka & Samarkand
Disaster & Military Surgery Section Meeting

07:30 – 08:30  Hall Rio
Educational Section Meeting

08:30 – 10:00  Hall Montreal

ILC  Skeletal Trauma

Geriatric Trauma
Chairs: C. Josten (Leipzig, Germany), A. Platz (Zurich, Switzerland)

1. Epidemiology, the extent of the disaster
   B. Wicki, Dübendorf, Switzerland

2. Do centres for geriatric fractures make sense with/without DRG
   With: S. Riem, Karlsruhe, Germany
   Without: N. Suhm, Basel, Switzerland

3. NSAR and bone healing
   J. Goldhahn, Wallhalla, Switzerland

4. Atypical fractures (due to biphosphonate)
   N. Suhm, Basel, Switzerland

5. The future: stemcells-liposuction and BMP
   F. Saxer, Basel, Switzerland

6. Discussion
Oesophageal Injuries
Visceral Trauma
Chairs: S. Uranues (Graz, Austria), D. Candinas (Berne, Switzerland)

1. Key-note: Surgical Options in oesophageal injuries
   A. Leppäniemi, Helsinki, Finland

2. Key-note: Laparoscopy in splenic trauma: madness or skill?
   M. Zago, Milan, Italy

3. O002 – Single incision versus conventional laparoscopic appendectomy
   E. Ozkurt, I.Ş. Sarıcı, H.T. Yanar, C. Ertekin, R. Guloglu, M.K. Günay; Fatih/TR

4. O004 – Delayed laparoscopy in NOM for blunt hepatic trauma
   P. Bisagni, A.A. Beneduce, E. Ortolano, V. Tomajer, M. Carlucci; Milano/IT

5. O005 – Emergency management of benign anal bleeding by doppler guided transanal hemorrhoidal dearterialization
   E. Cavazzoni, W. Bugiantella, L. Graziosi, M.S. Franceschini, A. Donini, F. Cantarella; Perugia/IT

6. O006 – Laparoscopic surgery in acute mechanical bowel obstruction due to intra-abdominal adhesion
   T. Yücel; Istanbul/TR

7. O007 – Bedside Laparoscopic: An Institution Experience over five years
   G. Cocorullo, G. Carollo, M.A. Di Maggio, T. Fontana, G. Gulotta; Palermo/IT
Vascular Emergencies
Emergency Surgery
Chairs: J. Asensio (Miami, USA), J. Schmidli (Berne, Switzerland)

1. Key-note: Open vs. endoluminal repair in acute abdominal aorta aneurysma rupture
   J. Schmidli, Berne, Switzerland, H. Schumacher, Zurich, Switzerland

2. O009 – Verification of The Ankle-Brachial Index (ABI) in Peripheral Vascular Trauma
   P. Niwawest, P. Wuthisuthimethawee; Hat-Yai, Songkhla/TH

3. O010 – Endovascular stenting of blunt thoracic aortic injury in major trauma patients, UAE experience in a single trauma center.
   N. Balalaia1, A.K. Abbas2, F. Alkuwaiti2, A. Saleh2, B. Safi2; 1Abu Dhabi/AE, 2Al Ain/AE

   G.R. S. Treviranus; Berne/CH

5. O012 – Improvement in management of traumatic aortic injury after introduction of a protocol for attendance in trauma patients
   A. Sanchez Canto, V. Padilla Morales, M. Genebat Gonzalez, A.M. Ferrete Araujo, M.A. Muñoz Sanchez; Sevilla/ES

   F. Domaszewski1, J. Dumfarth2, M. Greitbauer3, D. Zimpfer1, P. Stampfl1, M. Schoder1, M. Funovics1, J. Lammer3, M. Grimm2, M. Czerny2, S. Hajdu1, G. Laufer1, M. Ehrlich1; 1Vienna/AT, 2Innsbruck/AT, 3Berne/CH

7. O015 – Instable pelvis fractures with vascular injury
   N.N. Tzachev, A. Baltov, N. Mladenov; Sofia/BG

8. O016 – Midterm Clinical Outcomes of Vascular Repairs in Supracondylar Humeral Fractures in Childhood
   O. Tunalı1, Y. Saglam1, G. Dikmen1, M.Ş. Aksoy1, T. Akgül2, F. Dikici2; 1Istanbul/TR, 2Şanlıurfa/TR
Large Scale Chemical Events
Disaster & Military Surgery
Chairs: A. Wilson (London, United Kingdom), H. Veen (Geneva, Switzerland)

1. Key-note: Large scale chemical events: Lessons learned from the disaster in “Schweizerhalle”
P. Hübner, Basel, Switzerland

2. O017 – Advanced Trauma Life Support in Slovenia – a new model for implementation guided by ATLS Europe
R. Kosir¹, B. Winter², J. Kortbeek³, K. Brasel⁴, I. Schipper⁵;
¹Maribor/SI, ²Nottingham/UK, ³Calgary/CA, ⁴Milwaukee, WI/US, ⁵Leiden/NL

3. O018 – Effect of Helicopter Emergency Medical Services (HEMS) care in a cohort of 1,073 polytraumatized patients
G.F. Giannakopoulos, M.N. Kolodzinskyi, H.M. Christiaans, C. Boer, E.S. de Lange – de Klerk, W.P. Zuidema, F.W. Bloemers, F.C. Bakker; Amsterdam/NL

4. O019 – Transfusion policy and requirements during civilian bombing attacks in Israel
M. Bala, A. Kedar, O. Zelig, A. Rivkind, M. Faroja, G. Almogy; Jerusalem/IL

5. O020 – Analysis of the Two Mass Casualty Incidents and effect of training for them
S. Herman; Ljubljana/SI

6. O021 – Evaluation of the Emergency Medical Services in Greece; Revealing Aspects of a Maturing System.
I. Pappa, D. Pyrros, S. Stergiopoulos, P. Vassiliu; Athens/GR

7. O022 – Military Model of disaster relief hospital in BAM by INDIAN ARMY Field hospital
H.C. Talan; Abuja/NG

8. O023 – Aeromedical evacuation for trauma patients in Thailand: A 3-year experience from Bangkok Hospital Medical Center
E. Surakarn; Bangkok/TH

9. O024 – Mortality in a Rural Trauma System: An Evaluation of Inter-facility Transfers
S.E. Greer, P. Kispert, R. Gupta; Lebanon, NH/US
08:30 – 10:00  Hall Rio

Neurotrauma
Skeletal Trauma
Chairs: R. Schaumann-von-Stosch (Lucerne, Switzerland), J. Stover (Zurich, Switzerland)

1. Key-note: Cerebral microdialysis in neurointensive care: more questions or helpful answers
   J. Stover, Zurich, Switzerland, H. Landolt, Aarau, Switzerland

2. O026 – Serum cleaved-tau protein and clinical correlation with traumatic mild head injury; Preliminary study in Thai population
   P. Wuthisuthimethawee; Hat-Yai/TH

3. O028 – Telemedicine for acute neurosurgical problems: clinical experience from a single centre in the Horn of Africa
   R. Dulou¹, A. Montcriol², A. Bertani³, C. Brevart³, F. Rongieras⁴; ¹Paris/FR, ²Toulon/FR, ³Armees/FR, ⁴Lyon/FR

4. O029 – Neuroimaging at the emergency service for patients with a head trauma story
   B. Erbil, C. Akman, M.A. Karaca, M.M. Kunt, M. Akkas, N.M. Aksu, M.M. Özmen; Ankara/TR

5. O030A – Respiratory Failure During ED-Treatment of Elderly Patients With Isolated Traumatic Brain Injury Predicts Poor Outcomes
   M. Hofbauer, M. Winnisch, L.L. Höchtl, R. Ostermann, R. Kdolsky; Vienna/AT

6. O031 – Long-term outcome in polytraumatized patients with versus without brain injury
   T. Gross¹, M. Schüepp², C. Attenberger², H. Pargger², F. Amsler²; ¹Aarau/CH, ²Basel/CH
08:30 – 10:00
Hall Swissotel

Poster Session
Disaster & Military Surgery, Education, Spine
Chairs: P. Naess (Oslo, Norway), K.H. Widmer (Schaffhausen, Switzerland)

1. PS001 – Road Traffic Accidents in Schoolchildren in Rwanda – an urgent need for primary interventions during the WHO-Road Safety Decade
   A.H. Kiefer, D. Ndayizeye; Huye/RW

2. PS002 – Lessons learned from experience of visceral military surgeons in the French role 3 Medical Treatment Facility in Kabul (Afghanistan)
   S. Bonnet1, F. Gonzalez2, V. Duverger1, F. Pons3; 1Saint-Mandé/FR, 2Clamart/FR

3. PS003 – Profile of trauma related deaths among children from 10 to 18 yo a large city in Brazil
   A.M.A. Fraga, M.C. Reis, G.P. Fraga, T. Fernandez, J.M. Burstorff-Silva; Campinas/BR

4. PS004 – Surgical management of stingray injuries in Djibouti: A two years follow-up prospective study
   G. Greff1, R. Gorioux1, A. Bertani2, F. Mottier1, L. Mathieu1, F. Chauvin1, F. Rongieras1;
   1Lyon/FR, 2Armees/FR

5. PS005 – Helicopter vs. ground emergency medical service – a retrospective analysis of a german rescue helicopter base
   C. Schröter1, N. Bradt1, C. Zeckey1, H. Andruszkow1, M. Petri1, M. Frink1, F. Hildebrand1, C. Krettek1, C. Probst2, P. Mommsen1;
   1Hannover/DE, 2Hannover/DE

6. PS006 – Using an electronic bulletin board platform in a disaster table top exercise
   C.W. Chong, G.H. Lim; Singapore/SG

7. PS007 – Usefulness of whole fresh blood transfusion in the surgical management of war hemorrhagic shock requiring massive transfusion
   S. Bonnet1, V. Reslinger1, L. Raynaud2, A. Benois3, F. Pons4, V. Duverger5; 1Saint-Mandé/FR, 2Metz/FR, 3Villenave d’Ornon/FR, 4Clamart/FR, 5Saint-Mandé/FR

8. PS008 – Efforts to improve the team performance in our department – SOPs and TML for the torso stab wound
   J. Takamatsu, Y. Mizobata; Osaka/JP
9. PS009 – Trauma quality improvement efforts in low-middle income countries
A.M. Rubiano¹, G. Estebanez¹, A.I. Sanchez², A. Cabrera¹,
J.C. Puyana²; ¹Neiva/CO, ²Pittsburgh, PA/US

10. PS010 – Controversies in plastering training and techniques: an analysis of regional orthopaedic trainees and a scientific approach in assessing which materials are best suited in the presence of swelling
A. Mumith¹, R. Walker¹, N. Kelsall¹, M. Goodwin²; ¹Dorchester/UK,
²Bournemouth/UK

11. PS011 – Education and Training in trauma surgery
M.R. Sá, A. Oliveira, L.F. Pinheiro; Viseu/PT

12. PS013 – Madeira Simulation Clinical Center
P.M. Ramos; 089/PT

13. PS014 – Emergency Room of Nelio Mendonca Hospital
P.M. Ramos; 089/PT

14. PS016 – Cervical Spine Immobilisation in Trauma
E. Battaloglu; Birmingham/UK

15. PS017 – Management of failed vertebral body stenting for treatment of vertebral fractures – report of two cases.
J.C. Henning, M.B.J. Keel, L.M. Benneker, J.D. Bastian; Bern/CH

16. PS018 – Hemorrhagic shock during elective lumbar discectomy
G.I. Perez-Navarro, I. Molinos-Arruebo, P.A. Cano-Jimenez,
V.M. Borrego-Estella, J.J. Aguaviva-Bascunana, L. Novel-Carbo,
G.C. Inaraja-Perez, S. Saudi-Moro, L. Benute-Olivian,
J.A. Franco-Hernandez, M. Toro-Nunez, S. Martinez-Nunez,
S. Rasal-Miguel, S. Laglera-Trebol; Zaragoza/ES

17. PS019 – Posterior instrumentation and monosegmental spondylodesis in combination with cement augmentation for the treatment of thoracolumbar burst fractures.
S. Hoppe, M.B.J. Keel, L.M. Benneker; Bern/CH

18. PS019A – Terrorist Bombing in Ankara, September 2011
M.A. Karaca, E. Karakilic, B. Erbil, M.M. Kunt, C. Kavalci,
M.M. Özmen; Ankara/TR
Interactive Session

**10:30 – 12:00**

**Hall Montreal**

**Joint ILC**
Live Simulation on Preclinical and Shock Room Setting with Interactive Voting System
S. Gisin, Basel, Switzerland
O. Trentz, Zurich, Switzerland

**10:30 – 12:00**

**Hall Singapore**

Diaphragmatic Injuries/Colon/Spleen
Visceral Trauma
Chairs: J. W. Meredith (Winston-Salem, USA), P. Vassiliu (Athens, Greece)

1. **Key-note: Diaphragmatic injuries: How to minimize the chance of missing the diagnosis**
   J. Asensio, Miami, USA

2. O032 – Colonic stenting as a bridge to surgery reduces morbidity and mortality in left-sided colorectal cancer obstruction (LCCO): a predictive risk score-based comparative study
   F. Coccolini¹, V. Cennamo², F. Catena², C. Vallicelli², E. Poiasina¹, S. Magnone¹, R. Manfredi¹, M. Pisano¹, M. Giulii Capponi¹, L. Ansaloni¹; ¹Bergamo/IT, ²Bologna/IT

3. O032A – The comparison of colonic stenting and emergency surgery in the management of acute colonic obstruction due to incurable colorectal cancer
   I.S. Sarıcı, E. Ozkurt, H.T. Yanar, C. Ertekin, R. Guloglu, M.K. Günay, B. Kaya, H. Bakkaloğlu; Fatih/TR
4. O033 – Long-term survival factors in perforation with colorectal cancer

5. O034 – Reliability of injury grading systems for patients with blunt splenic trauma
D.C. Olthof¹, C.H. van der Vlies², M.J. Scheerder¹, R.J. de Haan¹, L.F. Beenen¹, J.C. Goslings¹, O.M. van Delden¹; ¹Amsterdam/NL, ²Rotterdam/NL

6. O035 – The Swiss experience with embolization in the treatment of pediatric blunt abdominal trauma
N. Lutz¹, S. Altermatt², H.-W. Hacker³, G. La Scala⁴, C. Aufdenblatten⁵, A. Joeris⁶; ¹Lausanne/CH, ²Zürich/CH, ³Luzern/CH, ⁴Geneva/CH, ⁵St Gallen/CH, ⁶Bern/CH

7. O036 – Preserved splenic function after splenic artery embolization in children.
J. Skattum¹, C. Gaarder¹, R.J.V. Lokke¹, T.L. Titze², A.G. Bechensteen¹, I. Aaberge¹, L.T. Osnes¹, H.E. Heier¹, P.A. Naess¹; ¹Oslo/NO, ²O/NO

8. O037 – Thrombosis prophylaxis and outcome of non-operative management of blunt splenic injuries
G. Tomasch, P. Kornprat, D. Nagele-Moser, S. Uranues; Graz/AT

9. O038 – Diaphragmatic trauma and the associated injuries spectrum
A. Rekha, V. Pai; Chennai/IN

10:30 – 12:00
Hall Sydney

Guest Symposium
Küntscher Society
Nailing around the Foot
Chairs: D. Seligson (Louisville, USA), H. W. Stedtfeld (Rostock, Germany)
1. Distal tibia fractures: current concepts and new ideas
S. Kuhn, Mainz, Germany, P. M. Rommens, Mainz, Germany
2. Selective arthrodesis of the ankle joint with an antegrade tibial compression nail
V. Bühren, Murnau, Germany
3. Hindfoot arthrodesis with retrograde nails  
V. Valderrabano, Basel, Switzerland

4. Minimal invasive reduction and internal fixation of calcaneal fractures with a new interlocking nail  
M. Goldzak, Toulouse, France

5. Intramedullary fixation of the medial column in Charcot-Arthropathy  
G. Gradl, Rostock, Germany

6. Fixation of fractures of the 5th metatarsal with the XXS nail  
W. Friedl, Aschaffenburg, Germany

10:30 – 12:00  Hall Osaka & Samarkand

ILC  
Research on Skeletal Trauma (in collaboration with AO Foundation & European Orthopaedic Research Society, EORS)  
Chairs: G. Richards (Davos, Switzerland), A. Ignatius (Ulm, Germany)

1. Relevance of inflammation in healing  
G. Duda, Berlin, Germany

2. Fracture healing in polytrauma  
A. Ignatius, Ulm, Germany

3. Acute injury cartilage regeneration  
M. Stoddart, Davos, Switzerland

4. Latest research of infection in fracture healing  
G. Richards, Davos, Switzerland

5. A novel assistance technology for efficient implant positioning  
M. Windolf, Davos, Switzerland

6. Discussion
10:30 – 12:00  Hall Rio

Thoracic Damage Control / Vascular Injuries
Emergency Surgery
Chairs: J. Schmidli (Berne, Switzerland), A. Peitzman (Pittsburgh, USA)

1. Key-note: Management of traumatic thoracic aortic tear
   H. Schumacher, Zurich, Switzerland

2. Key-note: Is there any place for thoracoscopy in thoracic damage control
   see addendum

3. O039 – Flail Chest management: Conservative versus surgical treatment
   P. Moreno de la Santa Barajas, M.D. Polo Otero, M. Lozano Gómez, C. Delgado Sánchez-Gracián, S. Leal Ruiloba, M. Choren Durán, E. Peña González, C. Trinidad; Vigo/ES

   D. Pazooki¹, H.P. Granhed¹, A. Yarollahi², M. Fagevik-Olsén¹, M. Tagliati¹; ¹Göteborg/SE, ²Gothenburg/SE

5. O042 – The additional value of computed tomography of the chest during the initial assessment of blunt trauma patients. What are the benefits?
   H.R. Tromp, P. Vatankhah, G.F. Giannakopoulos, F.W. Bloemers, F.C. Bakker; Amsterdam/NL

6. O043 – Comparison of Different Thoracic Trauma Scoring Systems in Regards to Prediction of Post-Traumatic Complications and Outcome in Blunt Chest Trauma
   M. Winkelmann¹, P. Mommsen², C. Zeckey¹, H. Andruszkow¹, M. Frink¹, F. Hildebrand²; ¹Hannover/DE, ²Hannover/DE

7. O044 – Immediate thoracotomy for penetrating injuries; ten years experience at a Dutch level 1 trauma center

8. O045 – Early thoracotomy in trauma: report of 5 years
   R. Mazzani, P. Orlandi, C. Bricchi, D. De Matteis, A. Agostinelli, L. Ampollini, A. Volpi; Parma/IT
10:30 – 12:00                                                    Hall Swissotel

Poster Session
Visceral Trauma
Visceral Emergencies
Chairs: C. Mesquita (Coimbra, Portugal), A. Ringger (Berne, Switzerland)

1. PS020 – Outcomes of Laparoscopic and Open Appendectomy in 2620 cases. What is the advantage?
C. Mauricio Alvarado, M.L. Reyes Díaz, J.R. Naranjo Fernández, F. Oliva Mompeán; Seville/ES

2. PS021 – The evaluation of the applications from the time of pain onset to surgery in children undergoing appendectomy
C. Emuce, D. Selimen; Istanbul/TR

3. PS022 – Factors Related to the Failure of Non-Operative Management in Blunt Splenic Injuries
A.F.Z. Barragat de Andrade, J.F. Castro, S.V. Starling, D.A.F. Drumond; Belo Horizonte/BR

4. PS023 – Gallstone pancreatitis management: Are we following the guidelines?
A.A. Shafi, G. Al Saied; Riyadh/SA

5. PS024 – On-Demand vs Planned Relaparotomy in the Treatment of Severe Intra-abdominal Infections
M. Anastasiu, R. Popescu, N. Micu, R. Dedu, A. Ivan; Buzau/RO

6. PS025 – The Effect of Ankaferd Blood Stopper on Colonic Anastomosis Healing

7. PS026 – GIST and neurofibromatosis 1 (NF1). Gastrointestinal bleeding in a patient.

8. PS027 – Methods of abdominal closure: bogota bag vs. vacuum-assisted closure
E. Ozkurt, I.Ş. Sarıcı, H.T. Yanar, C. Ertekin, R. Guloglu, M.K. Günay; Fatih/TR

9. PS028 – Traumatic injuries of the pancreas: a rare event and a diagnostic challenge but associated with good long-term prognosis
SCIENTIFIC PROGRAMME – SUNDAY


11. PS030 – The management of iatrogenic esophageal perforation as a result of bariatric procedures.
G. Doulami, D. Theodorou, E. Menenakos, Z. Vrakopoulou, N. Kokoroskos, A. Larentzakis, M. Natoudi, G. Zografos; Athens/GR

12. PS031 – Management of pancreatic injuries in children, case series
A.S. Ghasoup, O.G. Sadieh, A.A. Mansoor; Amman/JO

13. PS032 – Morbidity and mortality of patients with abdominal trauma submitted to laparotomy in a reference hospital in trauma in Brazil
N.A. de Liz, G.S. Silverio, N.T. Kruel, N.A. Liz, O. Franzon, R.N. Goulart; Sao Jose – Sc/BR

14. PS033 – Rectal injury by cleansing enema: a real and underestimated problem?
R. Bini, J. Micari, R. Leli; Torino/IT

15. PS034 – Management of undiagnosed phaeochromocytoma in a patient with acute appendicitis: A challenging and difficult surgical condition
A. Coskun, M. Yildirim, S. Akay, N. Erkan; Izmir/TR

16. PS035 – Place of damage control surgery in severe acute haemorrhagic necrotizing pancreatitis
M. Imperato, J. Jarry, N. Bourilhon, P. Michel; Lyon/FR

17. PS036 – First episode of postoperative adhesive ileus. Analysis of 67 cases
G. Georgiou, C. Christidis, F. Kodonas, F. Filippou, A. Kambouris, A. Chiotis; Xanthi/GR

18. PS037 – Hepatectomy like treatment of post-traumatic high flow biliary fistulas
L. Alvarez Llano, Y. Mohamed Al-lal, R. Franco Herrera, M.D. Pérez Díaz, F. Turegano Fuentes; Madrid/ES
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<tr>
<th>Time</th>
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<tr>
<td>12:00 – 12:12</td>
<td>Hall Montreal</td>
<td>Twelve to Twelve Lecture</td>
<td>No screws, no plates – just a cast</td>
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<td>V. Vecsei, Vienna, Austria</td>
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<td>12:00 – 12:12</td>
<td>Hall Singapore</td>
<td>Twelve to Twelve Lecture</td>
<td>Perforated diverticulitis</td>
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<td>R. Bergamaschi, New York, USA</td>
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<td>12:00 – 12:12</td>
<td>Hall Sydney</td>
<td>Twelve to Twelve Lecture</td>
<td>Bicycle accidents – just peanuts?</td>
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<td>P. Wendsche, Brno, Czech Republic</td>
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<td>12:00 – 12:12</td>
<td>Hall Osaka &amp; Samarkand</td>
<td>Twelve to Twelve Debate</td>
<td>Damage control should play a major role in major incidents and disasters</td>
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<td>Yes, it should: S. Lennquist, Söderköping, Sweden</td>
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<td>No, it should not: H. Veen, Geneva, Switzerland</td>
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<td>12:00 – 12:12</td>
<td>Hall Rio</td>
<td>Twelve to Twelve Lecture</td>
<td>Nonoperative conservative management of acute appendicitis: when is it safe</td>
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<td>A. Fingerhut, Poissy, France</td>
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<td>12:00 – 12:12</td>
<td>Hall Swissotel</td>
<td>Twelve to Twelve Lecture</td>
<td>The role of women in the surgical world today</td>
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<td>B. Wölnerhanssen, Basel, Switzerland</td>
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Industry Satellite Symposium
AO
Tribute to the AO

1. How it all started
   P. Matter (former AOFoundation President), Davos, Switzerland

2. The present
   N. Renner (AOTrauma President), Aarau, Switzerland

3. The future
   S. Bavonratanavech, Bangkok, Thailand

EJTES Meeting

Boehringer Ingelheim GmbH

Leading the Revolution: Practical Guidance for Managing Emergency Patients being treated with Dabigatran Etxilate
Chair: M. Huisman, Leiden, The Netherlands

1. Setting a new course: welcome and introduction
   M. Huisman, Leiden, The Netherlands

2. The need to advance: implications of a paradigm shift in cardiology for emergency physicians
   B. Meier, Berne, Switzerland

3. Signposts to help guide practice: effective management of emergency patients taking dabigatran etexilat
   M. Huisman, Leiden, The Netherlands

4. Moving forwards together: Questions and answers
ILC
Skeletal Trauma

Point Breaks in Sport – Just Fun or what?

Chairs: K.H. Widmer (Schaffhausen, Switzerland), B. Soltermann (Zurich, Switzerland)

1. To feel the limits
   R. Läng, Berne, Switzerland

2. Martial art injuries
   C. Rosso, Basel, Switzerland

3. The knee in football and skiing
   L. Weisskopf, Muttenz, Switzerland

4. Alpine ski racing
   F. J. Seibert, Graz, Austria

5. Spine injuries due to extreme sport activities
   V. Bühren, Murnau, Germany

ILC
Visceral Trauma

Diaphragmatic Injuries

Chairs: C. Mesquita (Coimbra, Portugal), P. Naess (Oslo, Norway)

1. Diagnosis workup
   H. Simmen, Zurich, Switzerland

2. Diaphragmatic injury: Silent killer
   P. Vassiliu, Athens, Greece

3. Open approach and technique of repair
   A. Peitzman, Pittsburgh, USA

4. Laparoscopic repair of the diaphragm: is it feasible
   S. Nijs, Leuven, Belgium

5. Secondary repair of late diagnosed diaphragmatic injuries
   L. Leenen, Utrecht, The Netherlands
Polytrauma
Skeletal Trauma
Chairs: J.W. Meredith (Winston-Salem, USA), O. Trentz (Zurich, Switzerland)

1. **Key-note: The geriatric polytrauma – the Vienna experience**
   V. Vecsei, Vienna, Austria

2. O047 – Profiling of high mobility group box protein 1 (HMGB1) and macrophage migration inhibitory factor (MIF) in multi-system injury
   D. Rittirsch, V. Schoenborn, L. Härtel, S. Märsmann, C.M.L. Werner, H.P. Simmen, G.A. Wanner; Zürich/CH

3. O048 – Fractures of the foot in polytraumatized patients – is a late diagnosis really a problem?
   A. Ahrberg¹, B. Leimcke¹, A.H. Tiemann², C. Josten¹; ¹Leipzig/DE, ²Halle/DE

4. O049 – Role of interleukin-33 and its soluble receptor sST2 in multiple injury
   D. Rittirsch, V. Schoenborn, L. Härtel, S. Märsmann, C.M.L. Werner, H.P. Simmen, G.A. Wanner; Zürich/CH

5. O051 – Fixation of pelvic ring injuries using the Stoppa approach.
   J.D. Bastian, S. Tomagra, K.A. Siebenrock, M.B.J. Keel; Bern/CH

6. O052 – Our experience with the Traumaregister DGU
   D. Brilej, R. Komadina, M. Vlaovic, B. Buhane; Celje/Sl

7. O053 – Assessment of the long-term quality of life in multiply injured patients with the SF-12 health questionnaire
   R. Pfeifer¹, B.A. Zelle², N.-A. Sittaro³, C. Probst³, H.-C. Pape¹; ¹Aachen/DE, ²Pittsburgh, PA/US, ³Hannover/DE

   S. Heck¹, S. Gick¹, R. Rabiner², D. Pennig¹; ¹Köln/DE, ²East Providence/US

9. PS173 – Implementation of the trauma registry TARN® in a Swiss tertiary Emergency Department
   A.K. Exadaktylos, D. Srivastava, H. Zimmermann; Bern/CH
Curtain-up Session
The Red Cross
Chairs: S. Lennquist (Söderköping, Sweden), M. Beverly (London, United Kingdom)
1. The conflict scenario
2. Wound ballistics (video)
3. Basic management of war wounds: The ICRC experience presented by H. Veen, Geneva, Switzerland

The Emergency Room
Education
Chairs: I. Marzi (Frankfurt, Germany), H. Champion (Annapolis, USA)
1. Key-note: Who is the boss in the emergency room – the view of the surgeon
   K. Wendt, Groningen, The Netherlands
   Who is the boss in the emergency room – the view of the emergency medicine physician
   U. Bürgi, Aarau, Switzerland
2. O055 – Prehospital treatment times in Germany -a multivariate analysis of 15,103 patients from the TraumaRegister® DGU
   H. Wyen¹, R. Lefering², S. Wutzler¹, M. Maegle², A. Wafaisade², T. Brockamp², F. Walcher¹, I. Marzi¹; ¹Frankfurt/DE, ²Cologne/DE
3. O056 – Biochemical Profile and Outcomes in Trauma Patients Subjected to Open Cardiopulmonary Resuscitation: A Prospective Observational Trial
   B. Schnüriger¹, P. Talving², K. Inaba², G. Barmadas², B.C. Branco², L. Lam², D. Demetriades²; ¹Bern/CH, ²Los Angeles, CA/US
4. O057 – Do tertiary surveys improve trauma care? A systematic review and meta-analysis
   G.B. Keijzers¹, G.F. Giannakopoulos², C. Del Mar¹, F.C. Bakker², L.M. Geeraedts Jr²; ¹Gold Coast/AU, ²Amsterdam/NL
5. O058 – Damage Control ICU Resuscitation: Concrete Advantages In Using Hypertonic Saline
J.M.A. Gallesio, P. Rosen, D.N. Holena, B. Sarani, C.A. Sims, J. Enberg, J.L. Pascual; Philadelphia, PA/US

6. O059 – The management of Ankle fractures at a general Hospital and the potential health economics of initial home therapy
R. Karthigan, M.R. Ricks, H. Dabis; London/UK

7. O060 – Interdisciplinary Polytrauma Simulation Team Training
S. Kuhn, C. Lott, W. Marx, H. Buggenhagen, T. Ott, R.M. Rommens; Mainz/DE

8. O061 – Relevance of incidental findings in major traumatized patients at a level I trauma centre
M. Ruesseler, A. Schill, H. Wyen, S. Wutzler, F. Walcher, I. Marzi; Frankfurt/DE

9. O062 – Immediate total-body CT scanning in injured patients: a case-matched series
J.C. Sierink, T.P. Saltzherr, L.F. Beenen, M.J. Russchen, J.S.K. Luitse, M.G. Dijkgraaf, J.C. Goslings; Amsterdam/NL

14:00 – 15:30 | Hall Swissotel

Poster Session
Emergency Surgery I
Chairs: R. Hasler (Berne, Switzerland), H. Kurihara (Milan, Italy)

1. PS038 – Factors Affecting Clinical Outcome of Low-Voltage Electrical Injuries in Children
M.T. Gokdemir, O. Sogut, H. Kaya, M. Cevik; Sanliurfa/TR

2. PS039 – Pain Management in Acute Trauma: Intravenous Acetaminophen versus Meperidine in Pain Management of Acute Trauma Patients
S. Paydar, A. Tadayyon, A. Taheri Akerdi, M. Musavi, A. Hosseinzadeh, M.A. Akrami, F. Ghaffarpasand, S. Bolandparvaz, H.R. Abbasi; 15711/IR

3. PS040 – Functional results after chest wall stabilization with a new screwless fixation device
F. AL-Shahraban1, P. Moreno de la Santa Barajas2, J. Bremerich1, M. Tamm1, D. Lardinois1; 1Basel/CH, 2Vigo/ES
4. PS041 – Splenic autotransplantion: evaluation with scintigraphic exams  
M. Beuran, M. Vartic, M. Avram, A. Chiotoroiu, I. Negoi, C. Vartosu; Bucharest/RO

5. PS042 – Waiting Times For Emergency Department Doctors and For Consultants  
A. Kebapci, T. Taymaz; Istanbul/TR

6. PS043 – Decreased Blood Pressure Increases the Probability of Requirement of Angioembolization in Pelvic Fracture Patients without Contrast Extravasation on Computed Tomographic Scan.  
H.C. Huang, C.Y. Fu, R.J. Chen, H.J. Tung, H.C. Tsuo; Taipei/TW

7. PS044 – Outcomes of emergency surgery in elderly patients (over 90 years)  
A.V. Kyriakidis, I. Alexandris, K. Athanasiou, I. Perisinakis, G. Katsagounos, E. Panagitodi, C. Papadopoulos, I. Mpesiskos, I. Tsagaris; Amfissa/GR

8. PS045 – Predictive Value of C-reactive Protein for Diagnosis of Acute Perforated and Non-perforated Appendicitis in Emergency department  
S.H. Woo, Y.J. Moon, U.J. Lee; Incheon/KR

9. PS047 – Acute Renal Failure and Systemic Manifestations Due to Viper Bite  
J. Massalis, E. Lazaridou, E. Papadema, M. Kolia, T. Floros, P. Gkanas; Nafplio/GR

10. PS048 – Immunohormonal consequences and management tactics in spleen injury  
I. Bihalskyy, S. Chooklin; Lviv/UA

M. Pol, A. Gupta, S. Kumar, B. Mishra, M. Singhal, S. Sagar; Delhi/IN

12. PS050 – Damage control for severe post-partum hemorrhage  
F. Guinaudeau, J. Jarry, M. Imperato, V. Nguyen, F. Milou, P. Michel; Lyon/FR
13. PS051 – Primary survey and complementary exams: Study of their predictive value to anticipate the need for surgery in patients with torso stab wounds
I. Martínez-Casas, J. Sancho Insenser, M. Climent Agustí, E. Membrilla Fernández, M.J. Pons Fragero, J. Guzmán Ahumada, L. Grande Posa; Barcelona/ES

14. PS052 – In the Management of Patients with Concomitant Unstable Hemodynamics and Negative Sonographic Examinations – the Benefits of Application of Selective Computed Tomography and Angioembolization
H.C. Tsuo, H.J. Tung, C.Y. Fu, R.J. Chen; Taipei/TW

15. PS053 – Anemia tolerance – patient blood management in surgery and trauma patients
C.W. Hoenemann, O. Hagemann, D. Doll; Vechta/DE

16. PS055 – Our Surgical Treatment Results of Heart Injuries
H.T. Keceligil, S.M. Yucel, M. Bahcivan, M.K. Demirag, S. Celik, F. Kolbakir; Samsun/TR

17. PS056 – Implementing an Acute Care Surgery service – The Canadian experience
M. Sudarshan, M. Al-Habboubi, E. St.Louis, X. Tan, K. Khwaja; Montreal/CA

18. PS057 – Prognostic factors for morbidity and mortality in the acute care general surgery population
M. Sudarshan, E. St.Louis, M. Al-Habboubi, X. Tan, K. Khwaja; Montreal/CA
**SCIENTIFIC PROGRAMME – SUNDAY**

**16:00 – 17:30**  
**Hall Montreal**

**Joint ILC**

**WHO: Decade of Action on Road Safety**  
Chairs: H. J. Oestern (Celle, Germany), P. M. Rommens (Mainz, Germany)

1. WHO/ choice of topic  
   M. Joshipura, Geneva, Switzerland

2. The Swiss programme/via sicura  
   P. Portmann, Berne, Switzerland

3. Actual situation in Germany  
   U. Schmucker, Munich, Germany

4. Prevention of accidents in tunnels  
   C. Kellerhals, Berne, Switzerland

5. ESTES injury prevention programme on road safety  
   B. Hreckovski, Slavonski Brod, Croatia

**16:00 – 17:30**  
**Hall Singapore**

**ILC**

**Emergency Surgery**

**Gastrointestinal Disasters**  
Chairs: M. Zago (Milan, Italy), P. L. Berger (London, United Kingdom)

1. Management of oesophageal emergencies  
   C. Seiler, Berne, Switzerland

2. Mesenteric ischemia and ischemic colitis  
   H. Yanar, Istanbul, Turkey

3. IBD related abdominal emergencies: timing and treatment strategies  
   R. Bergamaschi, New York, USA

4. Secondary peritonitis  
   E. Voiglio, Lyon, France

5. Ileus after abdominal surgery: when conservative, when surgical?  
   H. Kurihara, Milan, Italy
16:00 – 17:30 Hall Sydney

Guest Symposium

Swiss Society of Surgery
Chairs: D. Candinas (Berne, Switzerland), J. Schmidli (Berne, Switzerland)

1. 30 years of emergency medicine in Valais
   J. Richon, Sion, Switzerland

2. Algorithm for initial management of blunt abdominal trauma
   B. Schnüriger, Berne, Switzerland

3. Vascular trauma
   M. Furrer, Chur, Switzerland

16:00 – 17:30 Hall Osaka & Samarkand

Implant Removal and Ankle Injuries
Skeletal Trauma
Chairs: G. Richards (Davos, Switzerland), F. J. Seibert (Graz, Austria)

1. Key-note: Yes I do!
   S. Nijs, Leuven, Belgium

No, I don't!
N. Renner, Aarau, Switzerland

2. O063 – The Implant Removal Trial: Results of a Dutch prospective multicentre clinical cohort study
   D.I. Vos1, M.H.J. Verhofstad2, C. van der Werken3; 1Breda/NL, 2Tilburg/NL, 3Utrecht/NL

3. O064 – A new method for harvesting autologous spongiosa, the RIA method. Promising lower morbidity
   B.T. Szelle, R. Haverlag; Amsterdam/NL

4. O065 – Results After Use of the Reamer-Irrigator-Aspirator; More Adverse Events than Expected
   P. Reynders; Tielt-Winge/BE

5. O066 – Long-term Outcome after Operative Treatment of Maisonneuve Type Ankle Fractures
6. O067 – Fixation of syndesmosis rupture: why wait after surgery for a 3-D position control?  
R. Kraus¹, C. Candrian², R. Rosso², M. Arigoni²; ¹Aarau/CH, ²Lugano/CH

7. O068 – Application of positioning-screws and testing of the method in case of ankle injuries: assessment of screw position, finding the right reduction of distal tibiofibular joint  
A. Kocsis, J. Szita, I. Kádas, Z. Magyari, Z. Fejér; Budapest/HU

8. O069 – Complications of distal third tibia fractures  
M. Rackham, D. Huynh, B. Ramasamy, P. Stavrou, L.D. Iselin; Adelaide/AU

M. Al-Najjim¹, C. Fenton²; ¹6tb/UK, ²7bh/UK

16:00 – 17:30  
Hall Rio

Soft Tissue Management  
Skeletal Trauma  
Chairs: E. Varga (Szeged, Hungary), R. Breederveld (Beverwijk, The Netherlands)

1. Key-note: Decision making in soft tissue injuries  
A. Banic, Berne, Switzerland

M. Timmers, R.S. Breederveld; Beverwijk/NL

3. O072 – Keep it simple: Replacement of Complex Plastic Surgery in Soft Tissue Defects by Dermal Substitutes  
M. Öhlbauer, B. Wallner, M. Militz; Murnau/DE

4. O073 – Fascio-cutaneous supraclavicular artery perforator flap; a simple & reliable method in reconstruction of facial & neck post-trauma &/or post-burn injuries.  
T.M. Seif¹, H. Helmy², T. Said², A.G. Elsharkawy², H.O. Elwan²; ¹Giza/EG, ²Cairo/EG

5. O074 – Use of a collagen matrix dermal regeneration in the trauma surgery. Early results in critical situations  
E. Sagnak, F. Renken, A. Paech; Lübeck/DE
6. O075 – Lower limb open fracture management with early plastic surgeon involvement: does it make a difference? 
H.M.T. Fawi1, P. Inaparthy2, R. Clifton3; 1Cf14 4xw/UK, 20qq/UK

7. O076 – Negative pressure wound therapy with polyhexanid solution instillation as treatment for posttraumatic osteomyelitis improves outcome 
G.N. Jukema1, M. Timmers2, A. Bernards3, R. Nelissen3, J. van Dissel1, H.P. Simmen1; 1Zürich/CH, 2Beverwijk/NL, 3Leiden/NL

8. O077 – Wound Complications of Surgical Management of Ankle Fractures in Diabetics: A simplified approach to management 
M.A. Siddiqi, Z. Idrees; Karachi/PK

16:00 – 17:30  
Hall Swissotel

Cold and Hot 
Disaster & Military Surgery
Chairs: A. Wilson (London, United Kingdom), B. Dobson (Surrey, United Kingdom)

1. Key-note: Co-existence of ATLS and ETC courses in Slovenia 
M. Grünfeld, Ljubljana, Slovenia

2. O079 – Critical hypothermia in mountain rescue 
S. Hungerer, T. Geiser, V. Bühren; Murnau/DE

3. O080 – Education in Mountain Rescue for Doctors in Switzerland 
M. Brodmann Maeder; Bern/CH

4. O081 – Lower limb amputations in war surgery: recent experience of the National Military Hospital of Kabul 
L. Mathieu1, A. Marty2, A. Ramaki3, A. Najib3, I. Wardak3, W. Ahmadzai3, F. Rongieras1, S. Rigal4; 1L/FR, 2Metz/FR, 3Kabul/AF, 4Clamart/FR

5. O082 – Surgical treatment of the wounded from the blast mine injuries 
A. Koltovich, I. Paltyshev; Moscow/RU

6. O083 – Observational study of combat musculoskeletal injuries in a hospital in the Horn of Africa during a 3-year interval 
F. Mottier1, P.Y. Cordier2, A. Bertani2, F. Chauvin1, F. Rongieras1; 1Lyon/FR, 2Marseille/FR, 3Armees/FR
7. O084 – Analysis of the long-term outcome in multiply injured patients with injuries below the knee joint.
R. Pfeifer\textsuperscript{1}, B.A. Zelle\textsuperscript{2}, N.-A. Sittaro\textsuperscript{3}, C. Probst\textsuperscript{3}, H.-C. Pape\textsuperscript{1};
\textsuperscript{1}Aachen/DE, \textsuperscript{2}Pittsburgh, PA/US, \textsuperscript{3}Hannover/DE

8. O086 – War wounded patient management in a hospital located in the Horn of Africa: a 3-year observational study
F. Mottier\textsuperscript{1}, P.Y. Cordier\textsuperscript{2}, A. Bertani\textsuperscript{1}, R. Gorioux\textsuperscript{1}, F. Chauvin\textsuperscript{1},
F. Rongieras\textsuperscript{1}; \textsuperscript{1}Lyon/FR, \textsuperscript{2}Marseille/FR
07:30 – 08:25 Hall Montreal

How I do it Session
Visceral Trauma
Thoracic Trauma: Thoracic Damage Control
Chairs: L. Leenen (Utrecht, The Netherlands), R. Schmid (Berne, Switzerland)
1. Tips and tricks for thoracic damage control
   O. Trentz, Zurich, Switzerland
2. Acute stabilisation for the unstable thoracic wall
   M. Bemelman, Utrecht, The Netherlands
3. Resuscitation and critical care strategies in severe thoracic trauma
   R. Mackersie, San Francisco, USA

07:30 – 08:25 Hall Singapore

How I do it Session
Skeletal Trauma
The MIPO Session
Chairs: R. Babst (Lucerne, Switzerland), R. Komadina (Celje, Slovenia)
1. Proximal humerus
   C. Sommer, Chur, Switzerland
2. Pelvis (incl. navigation)
   M. Keel, Berne, Switzerland
3. Distal tibia-shaft/ Hybrid
   D. Heim, Frutigen, Switzerland

07:30 – 08:25 Hall Sydney

How I do it Session
Emergency Surgery
Abdominal Perforations – My Strategy
Chairs: H. Yanar (Istanbul, Turkey), H. Kurihara (Milan, Italy)
1. Gastroduodenal perforation
   K. Tavioglu, Istanbul, Turkey
2. Colonic perforation
S. Uranues, Graz, Austria

3. Perforated appendicitis
A. Ringger, Berne, Switzerland

07:30 – 08:25
Hall Osaka & Samarkand

How I do it Session
Education

Tips and Tricks for Publishing
Chairs: M. Rüsseler (Frankfurt, Germany), B. Wicki (Dübendorf, Switzerland)

1. Getting accepted: How to write an abstract for ECTES 2013
   M. Rüsseler, Frankfurt, Germany

2. Getting published: How to write a manuscript (for EJTES)
   B. Wicki, Dübendorf, Switzerland

07:30 – 08:25
Hall Rio

How I do it Session
Disaster & Military Surgery
Chairs: S. Lennquist (Söderköping, Sweden), A. Wilson (London, United Kingdom)

1. The Norway shooting
   T. Gaarder, Oslo, Norway

2. Report on the earthquake in Van/ Turkey 2011, did we comply?
   B. Dobson, Surrey, United Kingdom

   W. Ammann, Davos, Switzerland, P. Matter, Davos, Switzerland
### ILC

**Visceral Trauma**

**SILS, Laparoscopy or Laparotomy in Acute Abdomen**

Chairs: A. Fingerhut (Poissy, France), D. Inderbitzin (Berne, Switzerland)

1. **Diagnosis in acute abdomen**
   - H. Yanar, Istanbul, Turkey

2. **Therapeutic role of laparoscopy**
   - D. Hahnloser, Lausanne, Switzerland

3. **SILS vs. conventional laparoscopy**
   - S. Uranues, Graz, Austria

4. **Role of laparotomy**
   - D. Candinas, Berne, Switzerland

5. **EAES guidelines for minimally invasive surgery for acute abdomen**
   - F. Agresta, Adria, Italy

### Hand Surgery and Emergency

**Skeletal Trauma**

Chairs: H. Siebert (Schwäbisch Hall, Germany), G. Kohut (Fribourg, Switzerland)

1. **Key-note: To preserve or to amputate**
   - E. Vögelin, Berne, Switzerland

2. **O087 – Sensitivity of Ultrasonography in the Diagnosis of Scaphoid Fractures**
   - A. de Zwart¹, S. Rhemrev², J. Puylaert², F. Beeres³, I. Schipper³; ¹Amsterdam/NL, ²Den Haag/NL, ³Leiden/NL

3. **O088 – The Lucerne Cast (LuCa): functional treatment of proximal phalangeal finger fractures without immobilizing the wrist**
   - U. Hug¹, U. von Wartburg¹, S. Schibli², A. Jandali³, M. Calcagni⁴, T. Franz¹; ¹Luzern/CH, ²Chur/CH, ³Winterthur/CH, ⁴Zürich/CH

4. **O089 – Percutaneous stable fixation of the V-th metatarsal avulsion and the Jones fracture**
   - W. Friedl; Aschaffenburg/DE
5. O090 – Treatment of chronic scapholunate dissociation by modified dorsal ligamentoplasty
   D. Ira¹, J. Plíný², I. Cizmar³, M. Krčí ka¹, M. Mašek¹; ¹Brno/CZ, ²Pardubice/CZ, ³Olomouc/CZ

6. O091 – Radiation exposure due to CT of the scaphoid in daily practice
   S. Rhemrev¹, A. de Zwart², M. Pillay¹, F. Beeres¹, P. Krijnen², I. Schipper²; ¹The Hague/NL, ²Amsterdam/NL, ³Leiden/NL

7. O092 – Impact of ulnar styloid fractures in non-operatively treated distal radius fractures
   M.K. van Valburg, M. Wijffels, P. Krijnen, I. Schipper; Leiden/NL

8. O093 – Experiences and results with a modified dynamic traction device for early functional therapy of intraarticular fractures of proximal interphalangeal joint of the fingers
   G. Mattiassich, M. Mayrhofer-Stelzhammer, W. Huber, L. Dorninger, A. Kroepfl; Linz/AT

9. O094 – Acute Wrist Trauma – What not to miss! Does CT help?
   V. Shuen, R. Thiagarajah, P. Suresh, A. Gafoor; Plymouth/UK

08:30 – 10:00

Guest Symposium
EFORT
Periprosthetic Fractures
Chair: U. Stöckle (Tübingen, Germany)

1. Opening of the Efert Guest Symposium
   U. Stöckle, Tübingen, Germany

2. Hip: Osteosynthesis: Indication and techniques
   U. Stöckle, Tübingen, Germany

3. Hip: Revision joint replacement: Indication and techniques
   S. Gravius, Bonn, Germany

4. Discussion

5. Knee: Osteosynthesis: Indication and techniques
   J.M. Munoz Vives, Barcelona, Spain
6. Knee: Revision joint replacement: Indication and techniques  
   R. Hube, Munich, Germany
7. Discussion
8. Shoulder: Therapy strategies  
   C. Candrian, Zurich, Switzerland
9. Discussion

08:30 – 10:00  
Hall Osaka & Samarkand

Education  
Chairs: F. al-Ayoubi (Linköping, Sweden), P. Moniz Pereira (Lisbon, Portugal)

1. Key-note: Education in Trauma Surgery  
   M. Rüsseler, Frankfurt, Germany

2. O095 – Individual and team training with first time users of the Pelvic C-Clamp. Will they remember?  
   H. Koller, P. Keil, F.J. Seibert; Graz/AT

3. O096 – Injury burden at the community level: Surgeons OverSeas Assessment of Surgical needs (SOSAS), a population-based survey in Rwanda  
   R.T. Petroze¹, R. Groen², F. Niyonkuru³, M. Mallory¹, E. Ntaganda³, T.G. Guterbock¹, P. Kyamanywa³, A. Kushner², J.F. Calland¹; ¹Charlottesville, VA/US, ²New York, NY/US, ³Butare/RW

4. O097 – Analysis of a regional trauma rescue system: deployment and results of air- versus ground rescue  
   S. Guenkel¹, M. Koenig¹, K. Spengel¹, R. Albrecht², M. Bruesch³, C.M.L. Werner¹, H.P. Simmen¹, G.A. Wanner¹; ¹Zürich/CH, ²Zurich/CH

5. O098 – Improving performance and agreement in injury coding with the Abbreviated Injury Scale; a course helps.  
   P. Joosse¹, M. de Jongh², C.C.H.M. van Delft-Schreurs MSc², M.H.J. Verhofstad², J.C. Goslings²; ¹Amsterdam/NL, ²Tilburg/NL

6. O099 – Setting up an Acute Care Surgery Service: A Canadian Perspective  
   K. Khwaja, T. Razek, L. Feldman; Montreal, QC/CA
7. O100 – Trauma surgeons decrease mortality by 50.6% at Royal Adelaide Hospital
   P.C. Bautz; Adelaide, SA/AU

8. O101 – Do we really need so many image tests for the diagnosis of acute appendicitis?
   E. Membrilla Fernández, P. Sánchez Velazquez, M. Climent Agustí, I. Martinez-Casas, J. Sancho Insenser, L. Grande Posa;
   Barcelona/ES

9. Implementation of a national disaster preparedness course in Germany
   P. Fischer, Bonn, Germany

08:30 – 10:00 Hall Rio

Paramedics Session

Helicopter Emergency Medical Services, HEMS
Chairs: B. Dobson (Surrey, United Kingdom), I. Breitenmoser (Zurich, Switzerland)

1. Transport mode and outcome: Do helicopters make a difference?
   W. Ummenhofer, Basel, Switzerland

2. German HEMS
   M. Engel, Wiesloch, Germany

3. Slovenian HEMS System
   M. Grünfeld, Ljubljana, Slovenia

4. Turkish HEMS
   O. Ozmen, Izmir, Turkey

5. Mountain rescue with helicopters in Switzerland
   I. Breitenmoser, Zurich, Switzerland

6. Discussion
08:30 – 10:00  Hall Swissotel

Poster Session
Skeletal Trauma
Pelvis and Polytrauma
Chairs: M. Jakob (Basel, Switzerland), M. Cimerman (Ljubljana, Slovenia)

1. PS058 – The use of intraoperative computer tomography in acetabular and pelvic ring fractures
   D. Olsson, H. Eckardt; København Ø/DK

2. PS059 – The Anterior-Posterior Compression Type Pelvic Fracture Has an Increased Risk of Bilateral Internal Iliac Artery Hemorrhage
   H.J. Tung, C.Y. Fu, H.C. Tsuo, R.J. Chen; Taipei/TW

3. PS060 – Treatment of unstable sacral fracture with a modified Galveston technique
   K. Koshimune¹, Y. Ito¹, T. Takigawa², Y. Yagata¹, Y. Ueda¹; ¹Kobe/JP, ²Okayama/JP

4. PS061 – Clinical results of operative treatment through single less invasive anterior approach (Stoppa modification) for associated fractures of the acetabulum
   T. Noda¹, T. Ozaki¹, Y. Shimamura¹, Y. Kinami¹, R. Nakahara¹, Y. Yamakawa¹, T. Kanazawa¹, M. Inoue¹, K. Ogawa²; ¹Okayama/JP, ²Hiroshima/JP

5. PS062 – Treatment for ipsilateral pelvic and femoral fractures (the floating hip injury)
   Y. Yamakawa¹, T. Noda¹, T. Ozaki¹, R. Nakahara¹, Y. Shimamura¹, Y. Kinami¹, K. Saiga²; ¹Okayama/JP, ²Tottori/JP

6. PS063 – Problems after Kocher Langenbeck approach for posterior acetabular fractures
   M. Nagea, O. Lupescu, G.I. Popescu, C. Patru, D. Lupescu, D. Sucoveschi; Bucharest/RO

7. PS064 – Transcatheter embolotherapy after external surgical stabilization is a valuable treatment algorithm for patients with persistent hemorrhage from unstable pelvic fractures: outcomes of a single centre experience
   W.-J. Metsemakers, P. Vanderschot, S. Nijs, S. Heye, G. Maleux; Leuven/BE
8. PS066 – Surgical management of persistent Morel-Lavallée lesions associated with closed pelvic ring injury
   D. Jurisic¹, B. Hreckovski², V. Pitlovic², D. Rosko², J. Jankovic²,
   D. Vidovic³; ¹Slavonski Brod/HR, ²Slav.Brod/HR, ³Zagreb/HR

9. PS067 – Vertical pelvic instability with contralateral collum femoris fracture in pediatric patient; case report
   T. Akgül, F. Yücel, G. Özdemir, O. Tunali; Şanlıurfa/TR

10. PS069 – Computer navigation used by osteosynthesis of pelvis
    R. Madeja, L. Pleve, J. Demel; Ostrava/CZ

11. PS070 – Trauma mortality has improved in seriously injured patients after introducing Japan Advanced Trauma Evaluation and Care Protocol.
    K. Hondo, A. Shiraishi, Y. Otomo; Tokyo/JP

12. PS071 – Survey on Traumatic Cardiac Injury Due to Traffic Accidents using the Japan Trauma Data Bank
    N. Kutsukata¹, Y. Sakamoto¹, K. Mashiko², S. Tominaga³,
    T. Nishimoto⁴; ¹Saga City/JP, ²Inzai, Chiba Prefecture/JP, ³Tokyo/JP, ⁴Fukushima/JP

    D. Conroy, E. Battaloglu; Birmingham/UK

14. PS073 – Multivariate study of intra-abdominal injuries in polytraumatized patients
    J.D. Turinó-Luque, N. Zambudio-Carroll, A. Mansilla-Roselló,
    E. Corral, A. Vilchez Rabelo, M. Carrasco, J.A. Ferrón-Orihuela; Granada/ES

15. PS074 – Spectrum of All-Terrain Vehicle injuries in adults: A Case Series and Review of the Literature
    E.S. Concannon, A. Hogan, W. Khan, K. Barry; Castlebar/IE

16. PS076 – Endocrine, metabolic and immune response induced by trauma
    J.P.S. Gandara, J.A.S. da Silva, G.H. Cainelli, E. Achar,
    M.A.F. Ribeiro Jr; São Paulo/BR
Joint ILC

Teaching Videos from Sections/
Interactive Session

Chairs: E. Voiglio (Lyon, France), M. Cimerman (Ljubljana, Slovenia)

1. Pilon fracture
   C. Sommer, Chur, Switzerland

2. Endoscopic transgastric cystogastrostomy and necrosectomy in patients with acute pancreatitis
   O. Agcaoglu, Istanbul, Turkey

3. Dorsal approach for fixation of dorsally located rib fractures
   L. Leenen, Utrecht, The Netherlands

4. Disaster & Military Surgery
   S. Lennquist, Söderköping, Sweden

5. Education and training at ESTES Congresses
   B. Hreckovski, Slavonski Brod, Croatia
   DSTC Course
   P. Fischer, Bonn, Germany

ILC

Disaster & Military Surgery

Revolutions and their Impact on Surgery

Chairs: L. Ridde (Stockholm, Sweden), F. al-Ayoubi (Linköping, Sweden)

1. The Egyptian revolution 2011 – the dark side of the story
   M. Sarhan, M. Marco, K. Hosny, A. Salah; Giza, Egypt

   I. Ashkenazi, Hadera, Israel

3. The Serbian experience (the use of external fixation)
   M. Mitkovic, Nis, Serbia
4. Trauma Surgery in the Sudan war/ local training programm in Africa  
   M. Beverly, London, United Kingdom

5. Working in the front line in Afghanistan  
   A. Strahovnik, Zalec, Slovenia

10:30 – 12:00  
Hall Sydney

Guest Symposium

Swiss Society of Orthopedics and Traumatology  
Modern Fracture Treatment in Octogenarians

Chairs: B. Christen (Berne, Switzerland), T. Ilchmann (Liestal, Switzerland)

1. Proximal humeral fracture: Osteosynthesis or inverse shoulder replacement  
   B. Jost, St. Gallen, Switzerland

2. Distal humeral fracture: 2 plates or elbow replacement  
   R. Nyffeler, Berne, Switzerland

3. Wrist fractures: Plaster cast or internal fixation  
   R. Fricker, Bruderholz, Switzerland

4. Femoral neck fracture: Hemi or total hip arthroplasty  
   K. Eid, Baden, Switzerland

5. Tibial plateau fracture: Reconstruction or total knee replacement  
   R. Peter, Geneva, Switzerland

6. Spinal compression fracture: Patience, brace or vertebroplasty  
   B. Jeanneret, Basel, Switzerland
SCIENTIFIC PROGRAMME – MONDAY

10:30 – 12:00                                                    Hall Osaka & Samarkand

Sport Injuries/Tibial Head Fractures
Skeletal Trauma
Chairs: R. Komadina (Celje, Slovenia), A. Platz (Zurich, Switzerland)

1. **Key-note:** Tibial head fractures: The role of arthroscopy
   V. Senekovic, Ljubljana, Slovenia

2. O103 – Functional treatment for acute ankle sprains: Softcast Wrap versus MOKcast. A prospective randomized single-centre trial
   D.T. Mensch, O.J.W. Verhoof, P.R. de Reuver, A. van Noort, M.P. van den Bekerom, T.S. Bijlsma; Hoofddorp/NL

3. O104 – Biomechanical comparison of intramedullary versus extramedullary stabilization of intraarticular fractures of the tibia plateau
   F.W. Högel, S. Hoffmann, V. Bühren, P. Augat; Murnau/DE

4. O105 – First results using dynamic locking screws (DLS) for very distal tibia fractures
   Y.P. Acklin, G. Hässig, C. Sommer; Chur/CH

5. O106 – The use of weightbearing radiographs to assess the stability of supination-external rotation fractures of the ankle
   F. Krause¹, M. Weber²; ¹Berne/CH, ²Bern/CH

6. O107 – Intramedullary Osteosynthesis of Ankle Fractures with a straight locked nail: XS Nail
   W. Friedl; Aschaffenburg/DE

7. O108 – Comparison of the Arthroscopic Fixation Techniques of Dislocated Abruption of the Tibial Insertion of the Anterior Cruciate Ligament – Biomechanical Cadaveric Study with New Measuring Devices
   V. Senekovic, M. Balazic; Ljubljana/SI

   T. Knapp, P. Loughenbury, S.R. Bollen, G. Radcliffe; Bradford/UK

9. O178 – Calcanail a new internal device for calcaneal fractures
   M. Goldzak¹, P. Simon², T. Miiltmeier²; ¹Saint Jean/FR, ²Lyon/FR, ³Rostock/DE
10:30 – 12:00 Hall Rio

Sport Injuries/Spine
Skeletal Trauma
Chairs: V. Bühren (Murnau, Germany), M. Keel (Berne, Switzerland)

1. Key-note: The benefit of early spine stabilization for rehabilitation
   M. Keel, Berne, Switzerland

2. O110 – 3D-based Navigation in posterior stabilisations of the cervical and thoracic spine-necessity or luxury?

   L.M. Benneker1, A. Popp1, D. Schiuma2, R. Schwyn2; 1Bern/CH, 2Davos/CH

4. O112 – Biomechanical Studies on strut graft fitting for combined anterior/posterior Instrumentation of a calf spine fracture model
   A. Pizanis1, F. Vossen1, J.H. Holstein1, K. Schwieger2, T. Pohlemann1; 1Homburg/DE, 2Davos/CH

5. O113 – VATS versus open thoracotomy for thoracic and lumbar spine fractures in multiple trauma.
   O. Linchevskyy, S. Panfiorov; Kyiv/UA

6. O114 – Correlation between ethnicity and incidence of fragility fracture among residents of South London aged 55 and over
   M.I. Weiter1, S. Brannigan2, C. Moniz2, A.M. Phillips2; 1Heidelberg/DE, 2London/UK

7. O115 – Radiological evaluation after anterior column reconstruction with allogenic tibia diaphysis in Th12 and L1 fractures
   P. Wendsche1, J. Kočiš1, J. Chmelová2; 1Brno/CZ, 2Olomouc Czech Republic/CZ

8. O116 – Treatment of sacral fracture with spinal instrumentation system
   Y. Yagata, Y. Ueda, S. Mizuno, K. Koshimune, K. Toda, Y. Ito; Kobe/JP

9. P150 – Epidemiology and predictors of cervical spine injury in adult major trauma patients: European multicentre cohort study
   R.M. Hasler1, A.K. Exadaktylos1, O. Bouamra2, L.M. Benneker1, M. Clancy2, R. Sieber2, H. Zimmermann2, F. Lecky2; 1Bern/CH, 2Salford/UK, 3Southampton/UK, 4St. Gallen/CH
Poster Session

Emergency Surgery II
Chairs: D. Inderbitzin (Berne, Switzerland), M. Zago (Milan, Italy)

1. PS077 – Handlebar hernia with associated visceral perforation: an unusual case
   L.J. Cook, D. Debnath, I.J. Laidlaw, C.R. Baker; Frimley/UK

2. PS078 – Blunt traumatic rupture of thoracic aorta diagnosed in a District hospital. What next?
   E. Varada, G. Georgiou, F. Kodonas, A. Kampouris, A. Chiotis; Xanthi/GR

3. PS080 – An attempt to determine hepatic portal venous gas severity: Correlation of gas distribution and severity
   H. Koami; Urasoe City, Okinawa/JP

4. PS081 – Successful survival after surgical management of posttraumatic pericardial rupture and cardiac luxation
   S. Stabina, A. Kaminskis, D. Soldatenkova, G. Pupelis; Riga/LV

5. PS082 – Management of liver trauma. Initial experience with conservative approach.
   D. Soldatenkova, M. Mukans, I. Kazaka, G. Pupelis; Riga/LV

6. PS083 – Blunt Trauma of Lower Limbs Arteries – Unusual Mechanism
   J. Konecny, L. Veverkova, M. Reska, I. Capov, J. Ciernik; Brno/CZ


8. PS085 – Diaphragma rupture – difficult diagnosis, easy treatment
   D. Kusý, M. Forman, M. Carda, K. Havlíček, J. Siller; Pardubice/CZ

9. PS086 – Rectus sheath haematoma: surgical or conservative treatment?
   G.H. Cainelli¹, J.A.S. da Silva¹, J.P.S. Gandara², C.M. de Oliveira³, W.A. Saad³, E. Achar¹, M.A.F. Ribeiro Jr¹; ¹São Paulo/BR, ²Guarulhos- Sp/BR, ³03071000/BR
10. PS088 – Transmediastinal and transcardiac gunshot wound with hemodynamic stability.  
Y. Mohamed Al-lal, J. Martín Gil, L. Alvarez Llano,  
T. Sanchez Rodríguez, M. Sanz Sánchez, M.D. Pérez Díaz,  
F. Turegano Fuentes; Madrid/ES

11. PS090 – Superior mesenteric artery thrombosis, fatality or not?  
M. Semião¹, R. Rainho², M. Mega², L. Silveira²; ¹Covilhã/PT, ²Castelo Branco/PT

12. PS091 – Traumatic Diaphragmatic rupture in a reference trauma hospital in Brazil  
N.A. de Liz, N.A. Liz, N.T. Krue1, O. Franzon, G.S. Silverio; Sao Jose/BR

13. PS092 – Portal vein gas: its true role in performing an urgent exploratory laparotomy.  
I. lintzeris¹, X. Agrogianni², T. Ziagos¹, I. Pontikis¹; ¹Tripolis/GR, ²Athens/GR

14. PS093 – Epidemiological profile of trauma diaphragmatic reference in public hospital trauma in Brazil Hospital  
N.A. de Liz, N.A. Liz, N.T. Krue1, G.S. Silverio, R.N. Goulart, O. Franzon; Sao Jose/BR

15. PS094 – Noniatrogenic posttraumatic aneurysm of the distal radial artery  
S.A. Haller¹, L. Gürke², C. Glaser¹, A.M. Mols³; ¹Rheinfelden/CH, ²Basel/CH, ³Olten/CH

G.I. Perez-Navarro, I. Molinos-Arruebo, G.C. Inaraja-Perez,  
V.M. Borrego-Estella, L. Novel-Carbo, J. Gil-Bona,  
N. Peña De Buen, N. Pardos, J. Ungria-Murillo, I. Arazo-Igelsias,  
M.E. Tarancon, J.J. Aguaviva-Bascuñana, S. Laglera-Trebol;  
Zaragoza/ES

17. PS096 – A paediatric case of a gastric rupture after a non-motor-vehicle blunt abdominal trauma  
S. Bikos, S.G. Koulas, G. Pafitanis, S. Spyrou, E.C. Tsimogiannis; Ioannina/GR
12:00 – 12:12  Hall Montreal

Twelve to Twelve Lecture
*How to organize an emergency surgery service*
A. Leppäniemi, Helsinki, Finland

12:00 – 12:12  Hall Singapore

Twelve to Twelve Debate
*Ultrasonography is useful for prehospital triage in mass-casualty situations*
Yes it is: F. al-Ayoubi, Linköping, Sweden
No it is not: F. Turegano, Madrid, Spain

12:00 – 12:12  Hall Sydney

Twelve to Twelve Lecture
*Sport injuries in children: How to deal with them*
I. Marzi, Frankfurt, Germany

12:00 – 12:12  Hall Osaka & Samarkand

Twelve to Twelve Lecture
*Specific training in non-traumatic surgical emergencies – the Emergency Surgery Course, ESC*
K. Taviloglu, Istanbul, Turkey

12:00 – 12:12  Hall Rio

Twelve to Twelve Lecture
*Concurrent abdominal trauma in pelvic fractures: diagnosis and therapeutic dilemmas*
G. Fraga, Campinas, Brazil
12:30 – 13:30  
**Hall Singapore**

Industry Satellite Symposium

Zimmer

New Solutions for Proximal Femur Fractures

1. Zimmer® Natural Nail™ System  
   What is possible with the new nail?  
   C. Josten, Leipzig, Germany

2. NCB® Polyaxial Locking Plate System  
   A new solution for periprosthetic fractures  
   A.P. Verheyden, Lahr, Germany

12:30 – 13:30  
**Hall Sydney**

Industry Satellite Symposium

Synthes

Boosting Biological Bone Healing with the Dynamic Locking Screw (DLS)

1. Welcome and Introduction

2. AO Development of Plate Osteosynthesis and Concept of Dynamic Locking Screw  
   R. Frigg, Langendorf, Switzerland

3. Clinical Experience in Distal Tibia and Distal Femur  
   U. Stöckle, Tübingen, Germany

4. Clinical Experience in Proximal Humerus  
   M. Scheibel, Berlin, Germany

5. Open Discussion
Aesculap® Targon® Novelties

- **Targon® PFT** – Intramedullary nail for proximal femoral fractures
- **Targon® FN** – Head preserving solution for medial femoral neck fractures
- **Targon® TX** – Intramedullary nail for tibial fractures

**Booth number 103**

**Hands on workshop**
May 14, 2012 | 12:30 – 13:30 h
Head preserving hip fracture management | Lecture Hall Rio

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12:30 – 13:30  Hall Osaka & Samarkand

Industry Satellite Symposium

CSL Behring

Acute Post-Traumatic Coagulopathy
Chair: I. Marzi (Frankfurt, Germany)

1. Therapeutic management: EU-guidelines
   R. Rossaint, Aachen, Germany

2. Early goal-directed therapy
   A. Hanke, Hannover, Germany

12:30 – 13:30  Hall Rio

Industry Hands-on Workshop

Aesculap

Head Preserving Hip Fracture Management
Chair: M. J. Parker (Peterborough, United Kingdom)

14:00 – 15:30  Hall Montreal

President's Lecture
Introduction: D. Heim (Frutigen, Switzerland)

Capturing, Modelling and Animation of Human Face for Special Effects in Movies
M. Gross, ETH Zurich, Director of Disney Research Zürich

Sponsored by SomaMedical

14:00 – 15:30  Hall Singapore

Sport Injuries I
Skeletal Trauma
Chairs: S. Nijs (Leuven, Belgium), H. Resch (Salzburg, Austria)

1. Key-note: Clavicula fractures today
   H.J. Oestern, Celle, Germany
2. Key-note: The cyclist's collarbone
G. Farkas, Basel, Switzerland

3. O117 – MR Imaging versus Radiography of Acromioclavicular Joint Dislocation
G. Oberleitner¹, U. Nemec², C. Fialka¹, C. Krestan²; ¹Wien/AT, ²Vienna/AT

4. O118 – Minimal invasive plate osteosynthesis (MIPO) of clavicle fracture with locking plate (LCP) – 10 years experience
T.S. Mueller, C. Sommer; Chur/CH

5. O119 – The Humerusblock NG – A new concept for fixation of proximal humeral fractures
A. Brunner¹, H. Resch², R. Babst³, W. Schmölz³; ¹Innsbruck/AT, ²Salzburg/AT, ³Luzern 16/CH

6. O019A – Online survey of X-rays of midshaft clavicular fractures: which treatment would you choose?
S.A. Stegeman, N.C. Fernandes, P. Krijnen, I. Schipper; Leiden/NL

7. O120 – Interobserver variability of Computed Tomography for diagnosis of Suspected Scaphoid Fractures
A. de Zwart¹, S. Rhemrev², L. Kingma³, S. Meylaerts², I. Schipper¹, M. Otoide¹, F. Beeres²; ¹Leiden/NL, ²The Hague/NL, ³Groningen/NL

8. O121 – Avulsion fracture of the supinator crest of the proximal ulna in the context of complex elbow joint injuries
K. Schmidt-Horlohé, Y.-J. Kim, P. Wilde, A. Bonk, R. Hoffmann; Frankfurt am Main/DE

J.A. Almodovar Delgado, A. Beano Aragon, J. Olaguibel Moret; Madrid/ES

10. O123 – Repair of distal Biceps Tendon Ruptures using Bone Anchors: Technique, functional Outcome and Comparison with other Fixation Methods
C. Zosso, T. Hotz, M. Rudin, K. Käch; Winterthur/CH
**SCIENTIFIC PROGRAMME – MONDAY**

**14:00 – 15:30**  
Hall Sydney

**Guest Symposium**
EFOST

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**14:00 – 15:30**  
Hall Osaka & Samarkand

**Curtain-up Session**

University of Basel  
Chairs: A. Urwyler (Basel, Switzerland), R. Babst (Lucerne, Switzerland)

1. Introduction and short film of University of Basel  
   E. Thaler, Basel, Switzerland

2. Cognitive and molecular basis of psychological trauma  
   D. de Quervain, Basel, Switzerland; A. Papassotiropoulos, Basel, Switzerland

3. Discussion

4. Bedridden pictures: The artist in bad health  
   R. Ubl, Basel, Switzerland

5. Discussion

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**14:00 – 15:30**  
Hall Rio

**Paramedics Session**

Medical Response to Major Incidents Organization, MRMI  
Chairs: B. Hreckovski (Slavonski Brod, Croatia), W. Ammann (Davos, Switzerland)

1. The 7/7 bombings  
   A. Wilson, London, United Kingdom

2. Preparation of an Israeli hospital for the war in neighbouring Lebanon  
   H. Shtarker, Nahariya, Israel

3. How to connect paramedics and emergency physicians for disaster management; The national Swiss concept  
   M. Zürcher, Basel, Switzerland
4. Paramedic education for mass casualties MRMI and education within ESTES
   B. Dobson, Surrey, United Kingdom

5. Results of MRMI course
   K. Lennquist Montán, Danderyd, Sweden

6. Emergency physicians and paramedics in a terrorist attack
   P. Fischer, Bonn, Germany

14:00 – 15:30

Poster Session
Skeletal Trauma
Geriatric Fractures and others
Chairs: M. Cimerman (Ljubljana, Slovenia), V. Valderrabano (Basel, Switzerland)

   I. Bisbinas, D. Georgiannos, V. Lampridis, T. Michail, I. Theodoroudis, M. Savvidis, G. Gouvas; Thessaloniki/GR

2. PS098 – Bilateral diaphyseal femoral fractures secondary to chronic treatment with bisphosphonates
   I. Auñon-Martin, J. Pretell Mazzini, J.L. Leon Baltasar, V. Rodriguez-Vega, C. Resines Erasun; Madrid/ES

3. PS099 – A Meta-Analysis To Determine The Effect Of Preinjury Warfarin On Mortality In Trauma Patients.
   J. Batchelor, S. Ahmed; Manchester/UK

4. PS100 – Porphyromonas gingivalis as a rare cause for septic osteomyelitis in the femur
   C. Wichmann, B. Martens, C. Ebnöther, A. Platz, M. Rancan; Zürich/CH

5. PS101 – The outcomes of management orthopaedic trauma in elderly patients (over 85 y.o.)
   A. Zaharopoulos, V. Pipi, G. Tsimpouris, C. Christodoulopoulos, A. Fasoylas, I. Vezyrgiannis, E. Kallitsoynaki, L. Hantzis, K. Makris, A.V. Kyriakidis; Armfissa/GR
6. PS102 – Diverging screw angles are disadvantageous for the stability of locked plate constructs.
   D. Wähnert¹, M. Windolf², S. Brianza¹, S. Rothstock¹,
   M.J. Raschke², K. Schwieger¹; ¹Davos/CH, ²Münster/DE

7. PS103 – Hemodynamically unstable geriatric pelvic fractures, our experience.
   V. Guimerá García, P. Caba, G. Parra Sánchez, J.L. Leon Baltasar,
   A.A. Jorge Mora, I. Auñon, C. Resines Erasun; Madrid/ES

8. PS104 – Distal radius fracture fixation with volar locking plates and additional bone augmentation in osteoporotic bone:
   a biomechanical study in a cadaveric model
   F.W. Högel, S. Mair, P. Augat; Murnau/DE

9. PS105 – Minimal invasive long PHILOS®-plate osteosynthesis for metadiaphyseal fracture of the proximal humerus. Complications
   and follow-up in a series of 58 patients.
   T. Lamdark, A. Platz, M. Rancan; Zürich/CH

10. PS107 Correction Osteotomy of Distal Radius Malunion Without Grafting
    D. Tiren, D.I. Vos; Breda/NL

11. PS108 – The Outcome of the Synthes™ LCP Extra articular Distal Humerus plate
    H.M.T. Fawi, D. Parfitt, R. Prasad, K. Mohanty, A. Ghandour;
    Cf14 4xw/UK

12. PS110 – Arthroscopic meniscus repair in local anesthesia
    K. Strus, V. Senekovic, M. Veselko; Ljubljana/SI

13. PS111 – Fractures under Tension in Sports Injuries. New Possibilities in Primary Weight Bearing Capacity and Function
    Restauration with the XS Nail in Patella and Olecranon Fractures.
    W. Friedl; Aschaffenburg/DE

14. PS112 – blunt splenic injuries in relation with ski and surf
    B. Paquette, J. Abba, F.X. Ageron, C. Broux, M. Rodiere,
    C. Arvieux; Grenoble/FR

15. PS113 – A new reamer for intramedullary nails: Pressure analysis in comparison with commonly used reamer
    Y. Arlettaz¹, C. Bonjour², P. Fehibaum³; ¹Sion/CH, ²Monthey/CH,
    ³Bassescourt/CH
Joint ILC
Visceral Trauma & Emergency Surgery
Interactive Case Presentations
Chairs: K. Taviloglu (Istanbul, Turkey), A. Leppäniemi (Helsinki, Finland)
1. Case 1
   I. Martinez Casas, Alicante, Spain
2. Case 2
   L. F. Pinheiro, Viseu, Portugal
3. Case 3
   P. Vassiliu, Haidari, Greece
4. Case 4
   S. Uranues, Graz, Austria

Sport Injuries/Distal Radius and Shoulder
Skeletal Trauma
Chairs: P. M. Sutter (Biel, Switzerland), E. Varga (Szeged, Hungary)
1. Key-note: Concommitant injuries in distal radius fractures
   D. Rikli, Basel, Switzerland
2. O124 – Minimum 3 years Experience in Managing Floating Shoulder Injuries
   F.F. Adam¹, H.H. Refae²; ¹Assiut/EG, ²Qena/EG
3. O125 – Analysis Of The Inter – And Intraobserver Agreement In Radiographic Evaluation Of Wrist Fractures Using The Multimedia Messaging Service
   S. Brunetti, A. Ferrero, G. Garavaglia, G.J. Petri, S. Lucchina, C. Fusetti; Bellinzona/CH
4. O126 – Assessment of a Novel Biomechanical Fracture Model for Distal Radius Fractures
   S.F. Baumbach¹, E. Dall’Ara², P. Weninger², A. Antoni², H. Traxler², P.K. Zysset²; ¹Munich/DE, ²Vienna/AT
5. O127 – Measuring spatial and temporal parameters of glenohumeral movement in both healthy people and rotator cuff patients during different self-determined speeds
A.K. Singh1, J. Bergmann2, R. Pollock2, D. Newham2, J. Sinha1;
19rs/UK, 21ul/UK

6. O128 – Treatment of displaced lateral clavicle fractures with the superior anterior clavicle plate with lateral extension: Early experience in 20 patients
D. Tiren, D.I. Vos, J.P.M. Vroemen; Breda/NL

7. O129 – Overconsumption of radiography in acute wrist injuries; a call for a clinical decision rule
A. Bentohami1, M.S.H. Beerekamp1, J. Vallinga1, T.S. Bijlsma2, B.A. Dijkman, van3, M. Maas1, J.C. Goslings1, N.W.L. Schep1;
1Amsterdam/NL, 2Hoofddorp/NL, 3Amersfoort/NL

8. O130 – Treatment of distal radius fractures with the locking compression plate – long term functional and radiological results
S. Tsitsilonis, D.B. Macho, A. Disch, N.P. Haas, F. Wichlas; Berlin/DE

9. O131 – Clinical And Radiological Results of Arthroscopic Stabilization for the Acute Acromioclavicular Joint Dislocations
L. Kovacic, B. Sluga, M. Veselko, V. Senekovic; Ljubljana/SI

16:00 – 17:30  Hall Sydney

Guest Symposium

EBJIS

Posttraumatic infections
 Chairs: O. Borens (Lausanne, Switzerland), C. Wagner (Ingolstadt, Germany)

1. What can be learned from DARS (Decade of Action for Road Safety)?
G. Lob, Munich, Germany

2. Problem of bacterial biofilms – are there any solutions?
C. Wagner, Ingolstadt, Germany

3. Antibiotic loaded cement nail for treatment of infected intramedullary nails.
O. Borens, Lausanne, Switzerland
SCIENCFIC PROGRAMME – MONDAY

4. Antibiotics in posttraumatic infections
   A. Trampuz, Lausanne, Switzerland

5. The infected pseudarthrosis: treatment with antibiotic impregnated
   bone allograft and intramedullary nail
   H. Winkler, Vienna, Austria

6. The Scientific Publication Score – up-dating of current scientific
   knowledge in bone infection
   D. Bettin, Westerstede, Germany

7. Discussion

16:00 – 17:30
Hall Osaka & Samarkand

Basic Research
Chairs: B. Hanson (Dübendorf, Switzerland), A. Ignatius (Ulm, Germany)

1. Key-note: The AOTrauma research
   B. Hanson, Dübendorf, Switzerland

2. O132 – Enhancement of orthotopic bone regeneration by non-viral
   sonoporation gene therapy
   G.A. Feichtinger¹, S. Schützenberger¹, A.T. Hofmann¹, P. Slazak¹,
   M. Kaipel¹, A.P. McHale², M. van Griensven¹, H. Redl¹; ¹Vienna/AT,
   ²Coleraine/UK

3. O133 – Productive capacity of Alveolar Macrophages and Kupffer
   Cells after femoral fracture and blunt chest trauma in a murine
   trauma model
   C. Neunaber¹, S. Oestern², H. Andruszkow¹, M. Frink¹,
   F. Hildebrand¹; ¹Hannover/DE, ²Kiel/DE

4. O135 – Augmentation of hip implants in osteoporotic bone: How much cement is needed and where should it go?
   A. Sermon¹, L. Fliri², R.G. Richards², S. Boonen³, M. Windolf³;
   ¹Leuven/BE, ²Davos Platz/CH

5. O136 – Ex-vivo evaluation of the polymerization temperatures
   during cement augmentation of PFNA blades
   L. Fliri¹, M. Lenz¹, J. Stucki¹, A. Boger², M. Windolf³; ¹Davos
   Platz/CH, ²Ansbach/DE

6. O137 – A comprehensive care pathway for the treatment of hip
   fractures
   E. Flikweert, M. Stevens, G. Izaks, K. Wendt; Groningen/NL
7. O138 – Do surrogate bone materials have similar properties to cadaveric bone? Validation of a new composite material for application in orthopaedic bio-mechanical research
   P. Upadhyay, N. Baraza, S. Shaunak; 1Coventry/UK, 2Birmingham/UK

8. O139 – Application of enriched with platelets fibrinous gel in treatment of long bone fractures (experimental-clinical study)
   A.V. Kalashnikov, A.G. Zubenko, A.T. Brusko, L.M. Panchenko, Y.I. Pavlishen; 1Kiev/UA, 2Zaporizhzhia/UA, 3Khmelnitskiy/UA

16:00 – 17:30  Hall Rio

Paramedics Session
Children and Coagulation Disorders
Chairs: C. Schlimp (Klagenfurt, Austria), A. Urwyler (Basel, Switzerland)

1. Analgesia in children with trauma
   A. Dembeck, Unterseen, Switzerland

2. Switzerland: Children are not just small adults
   S. Altermatt, Zurich, Switzerland

3. A dramatic story: severe pelvic injury in hemophilic child
   H. Shtarker, Nahariya, Israel

4. Trauma-induced coagulopathy
   C. Schlimp, Klagenfurt, Austria

5. Prehospital coagulation therapy
   M. Engel, Wiesloch, Germany

16:00 – 17:30  Hall Swissotel

Poster Session
Neurotrauma and others
Chairs: H. Landolt (Aarau, Switzerland), M. Arigoni (Cugnasco, Switzerland)

1. PS118 – Clinical outcome after cubital tunnel decompression.
   F. Saedi, S. Grant, M. Mohamed, N. Hyder; 4qj/UK

2. PS119 – Delay in transport and severe brain injury
   M. Marcikic, B. Hreckovski, J. Samardzic, M. Jurjevic, I. Mirkovic; Slavonski Brod/HR
3. PS120 – Follow-up indicators relating to the strength and direction of a crash, pertaining to external head injuries
   Y. Sakamoto, N. Kutsukata; Saga/JP

4. PS121 – Damage control orthopaedics VS Early total care: Treatment strategy for open long bone fractures with head injuries
   H. Minehara¹, M. Uchino², T. Matsuura¹, S. Konno¹, T. Suzuki¹, K. Souma¹, M. Takaso¹; ¹Sagamihara/JP, ²Machida/JP

5. PS122 – An 11-year review of cranio-maxillofacial injuries in a Swiss university hospital
   A. Businger¹, J.C. Krebs¹, S. Heinz², B. Schaller¹, H. Zimmermann¹, A.K. Exadaktylos¹; ¹Bern/CH, ²Frankfurt Am Main/DE

   I. Kalaitsidou, I. Barlas, A. Anastasiou, I. Tilaveridis, G. Venetis; Thessaloniki/GR

7. PS124 – Wooden foreign body masquerading as a depressed skull fracture
   E.S. Concannon, A. Hogan, K. Barry; Castlebar/IE

8. PS126 – Neurological disorders in sports trauma
   J.A.S. da Silva¹, J.P.S. Gandara¹, G.H. Cainelli¹, L.B. Salim², C.M. de Oliveira², L.A.L. da Silva², E. Achar¹, A.C. Piccolo², M.A.F. Ribeiro Jr¹; ¹São Paulo/BR, ²03071000/BR

9. PS127 – Cranioencephalic lesions in motorsports
   J.A.S. da Silva¹, J.P.S. Gandara¹, G.H. Cainelli¹, A.C. Piccolo², E. Achar¹, M.A.F. Ribeiro Jr¹; ¹São Paulo/BR, ²03071000/BR

10. PS128 – Severe Traumatic Brain Injury – Trauma's Golden Hour
    T.N. Santos¹, H.M. Fernandes¹, A.L.C. Silva¹, V. Castro¹, S.M. Silva², M. Oliveira¹, C. Dias²; ¹Guimarães/PT, ²Porto/PT

    A.C. Ezanno¹, A. Lamy¹, C. de Serre de Saint Roman¹, S. Rigal², P. Sockeel¹, J.F. Gonzalez¹; ¹Metz Cedex 3/FR, ²Clamart Cedex/FR

12. PS130 – Multiloc nailing: first experience in 50 cases
    S. Nijs, P. Caeckebeeke; Leuven/BE
13. PS131 – Tissue engineered nasal cartilage for the regeneration of articular cartilage in the knee after traumatic injury – a Phase 1 Clinical Trial
M. Mumme¹, A. Barbero¹, S. Miot¹, A. Wixmerten¹, F. Wolf², S. Feliciano¹, F. Saxer¹, I. Fulco¹, M. Haug¹, D.J. Schaefer¹, M. Steinwachs³, U. Studler¹, M. Arnold³, V. Valderrabano¹, T. Schwamborn¹, I. Martin¹, M. Jakob¹; ¹Basel/CH, ²Zürich/CH, ³Bruderholz/CH

14. PS133 – Comparative evaluation of surgical outcome in unstable inter trochanteric fractures in elderly patients treated by DHS and Arthroplasty.
E. Ghayem Hassankhani, A.R. Hutkani, G. Ghayem Hassankhani; Mashad/IR

15. PS134 – Text-message reminders to increase attendances at orthopaedic outpatient clinics
R.G. Kavanagh, O. Flannery, P.J. Kenny; 15/IE

16. PS135 Management of Nonunions with Allograft Cellular Matrix Containing Viable Mesenchymal Stem Cells.
A. Startzman, S. Martinez, B.J. Cross; Fort Lauderdale/US
07:30 – 08:25  Hall Montreal

Video Session
Disaster & Military Surgery
Chairs: K. Lennquist Montán (Danderyd, Sweden), S. Gisin (Basel, Switzerland)
1. V01 – International week of trauma of Madeira
   P.M. Ramos; 089/PT
2. V02 – Trauma System Planning in the United States using an internet based population mapping approach
   B. Carr¹, C.W. Schwab², C. Wolff¹, C. Branas¹; ¹Philadelphia, PA/US, ²PA/US
3. V03 – Second Italian MRMI (Medical Response to Major Incidents): a confirmation
   R. Faccincani, P. Bergonzi, M.T. Cibelli, A. Rossodivita, R. Sannicandro, M. Spessot, M. Carlucci; Milano/IT

07:30 – 08:25  Hall Singapore

Video Session
Emergency Surgery
Chairs: S. Uranues (Graz, Austria), A. Ringger (Berne, Switzerland)
1. V05 – Laparoscopic Treatment of Small Bowel Obstruction
   V.M. Mutafchiyski, I.R. Takorov, S.K. Segeev, N.N. Vladov; Sofia/BG
2. V05A – Robotic surgical mesh repair for incarcerated Morgagni-Larrey hernia
   S. Paun, I. Negoi, R. Ganescu, M. Beuran; Bucharest/RO
07:30 – 08:25  Hall Sydney

Video Session
Skeletal Trauma
Chairs: H. Siebert (Schwäbisch Hall, Germany), G. Kohut (Fribourg, Switzerland)
1. V06 – Open Reduction of the Distal Radius: The Spoon Technique
   R.T. Auer, D. Seligson; Louisville, KY/US
2. V08 – Interactive preoperative planning in distal radius fracture
   E. Varga, B. Erd helyi, E. Varga Jr; Szeged/HU

07:30 – 08:25  Hall Osaka & Samarkand

Video Session
Visceral Trauma
Chairs: M. Beuran (Bucharest, Romania), R. Rosso (Lugano, Switzerland)
1. V09 – Laparoscopy in small bowel obstruction
   G. Tomasch, S. Uranues; Graz/AT
2. V09A – Minimally invasive robotic approach for an incarcerated inguinal hernia
   S. Paun, I. Negoi, R. Ganescu, M. Beuran; Bucharest/RO
3. V10 – Delayed laparoscopic splenectomy for trauma
   M. Zago¹, D. Mariani², H. Kurihara¹, R. Foà¹, F. Butti¹,
   A. Casamassima²; ¹Ponte San Pietro/IT, ²Pavia/IT, ³Milano/IT

07:30 – 08:25  Hall Rio

Video Session
Skeletal Trauma and Vascular Emergencies
Chairs: C. Mesquita (Coimbra, Portugal), J. Peltzer (Delemont, Switzerland)
1. V11 – Total IVC resection, with preservation of renal function
   P. Vasiliu; Athens/GR
SCIENTIFIC PROGRAMME – TUESDAY

08:30 – 10:00  Hall Montreal

ILC
Disaster & Military Surgery

Mentometer Session with Interactive Training in Triage and Primary Management in Major Incidents and Disasters
Chair: S. Lennquist (Söderköping, Sweden)
Expert Panel: I. Ashkenazi (Hadera, Israel), F. Turegano (Madrid, Spain), A. Leppäniemi (Helsinki, Finland)

08:30 – 10:00  Hall Singapore

Sport Injuries: Pelvis
Skeletal Trauma
Chairs: P. M. Rommens (Mainz, Germany), T. Ilchmann (Liestal, Switzerland)

1. Key-note: Acetabular fractures – to operate by all means
P. M. Rommens, Mainz, Germany

2. O140 – Modified Stoppa approach in acetabular fractures: Indications and limitations
O. Farouk, A. Kamal, M. Badran, M. Refai, M. Dawood; Assiut/EG

3. O141 – Characterization of non-surviving pelvic fracture patients
J.H. Holstein; Homburg/DE

L. Büchler, J.D. Bastian, K.A. Siebenrock, M.B.J. Keel; Bern/CH

5. O143 – Cumulative 20-year Survivorship after Open Reduction and Internal Fixation of 1208 Acetabular Fractures
M. Tannast¹, S. Najibi², J.M. Matta²; ¹Bern/CH, ²Santa Monica, CA/US

6. O144 – Is standardized percutaneous SI screw placement operation possible?
Z. Zigman, M. Tomazevic, A. Kristan, M. Cimerman; Ljubljana/SI

7. O145 – New plate for reconstruction quadrilateral surface of the acetabulum
S. Jaroslav; Liberec/CZ
8. O146 – Femoroacetabular Impingement Predisposes to Traumatic Posterior Hip Dislocation  
S.D. Steppacher, C.E. Albers, K.A. Siebenrock, M. Tannast, R. Ganz; Bern/CH

9. O147 – Tactile three-dimensional bony manufacturing using 3D printer for assistance of acetabular fracture surgery  

08:30 – 10:00  Hall Sydney

Guest Symposium

AOTrauma

Introduction

AOTrauma International and AOTrauma Europe
N. Renner, Aarau, Switzerland

Infection programme

Infections after trauma surgery – the problem and how the AOTrauma Clinical Priority Programme will address it  
S. Kates, Rochester, USA

Osteoporosis programme

Chairs: M. Blauth (Innsbruck, Austria), N. Suhm (Basel, Switzerland)

1. How does osteoporosis affect the outcome of distal radius fractures  
D. Rikli, Basel, Switzerland

2. What influences the outcome of proximal humerus fractures  
F. Kralinger, Innsbruck, Austria

3. What do trauma surgeons need to know about osteoporosis  
N. Suhm, Basel, Switzerland

4. Panel discussion
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<th>Time</th>
<th>Location</th>
<th>Session</th>
<th>Chairs</th>
<th>Presenters/Institutions</th>
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<td>08:30 – 10:00</td>
<td>Hall Osaka &amp; Samarkand</td>
<td>Visceral Trauma I</td>
<td>S. Uranues (Graz, Austria), D. Hahnloser, (Lausanne, Switzerland)</td>
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<td>1. Key-note: Pancreatic injury – options for treatment</td>
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<td>M. Lesurtel, Zurich, Switzerland</td>
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<td>2. O148 – Differentiated approach in penetrating abdominal trauma, one center experience</td>
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<td>S. Tintari, G. Rojnoveanu, G. Ghidirim, I. Gagauz, V. Gafton, R. Gurghis, V. Colesnic; Chisinau/MD</td>
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<td>3. O149 – Relaparotomy for bowel obstruction after non-therapeutic laparotomy in penetrating abdominal trauma</td>
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<td>S. Tintari, G. Rojnoveanu, G. Ghidirim, S. Ignatenco, I. Gagauz, V. Gafton; Chisinau/MD</td>
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<td>P. Rivier, L. Gruner, X. Barth, O. Monneuse; Lyon 03/FR</td>
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<td>5. O151 – Outcome after trauma laparotomy in a major Scandinavian Trauma Center</td>
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<td>S. Groven, P.A. Naess, T. Eken, N.O. Skaga, C. Gaarder; Oslo/NO</td>
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<td>A. Németh, A. Kocsis, Z. Magyari; Budapest/HU</td>
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<td>7. O154 – Nonoperative management of AAST-OIS grade IV hepatic injuries</td>
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<td>T. Zago¹, B.M. Pereira¹, B. Nascimento², T. Calderan¹, E.S. Hirano¹, G.P. Fraga¹; ¹Campinas/BR, ²Toronto/CA</td>
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<td>8. O155 – Vacuum assisted closure (VAC) as resection sparing treatment in acute mesenteric ischemia (AMI)</td>
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<td>E. Giorgini, S. Maggioni, A. Biscardi, S. Villani, S. Di Saverio, G. Tugnoli; Bologna/IT</td>
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08:30 – 10:00

Nurses and ORP Session
Polytrauma
Chairs: P. Bärlocher (Zurich, Switzerland), A. Dembeck (Interlaken, Switzerland)

1. Begrüssung/ Welcome
P. Bärlocher, Zurich, Switzerland, R. Dries, Freiburg, Germany

2. Was gibt es Neues beim Management des Polytrauma/ What’s new in polytrauma Management
A. Dembeck, Interlaken, Switzerland

3. Erstversorgung am Unfallort/ Emergency management
I. Breitenmoser, Zurich, Switzerland

4. Der Algorhythmus des Polytraumas im Schockraum/ The algorhythm of polytrauma management in the emergency room
T. Lustenberger, Frankfurt, Germany

5. Einsatz an der Front in Afghanistan/ Working in the front line in Afghanistan
A. Strahovnik, Zalec, Slovenia

6. Panel discussion

Simultaneous translation sponsored by SUVA

08:30 – 10:00

Poster Session
Skeletal Trauma
Chairs: V. Senekovic (Ljubljana, Slovenia), H.-C. Pape (Aachen, Germany)

1. PS136 – Refracture incidence following intramedullary implant removal in children’s lower arm fractures
S. Kocuvan, J. Robida; Celje/SI

2. PS137 – Comparative Study of Posterior, Anterior and Lateral Approach to the Treatment of Gartland Type III Pediatric Supracondylar Humerus Fractures
M.F. Catma, B. Tunc, F. Bozkurt, M. Altay; Ankara/TR

3. PS138 – Sports injuries. 11 years of experience in a tertiary hospital
4. PS139 – Does Full Reduction of Calcaneal Posterior Facet Fractures Improve Quality of Life?
F. Say, A.M. Bülbül; Samsun/TR

5. PS141 – Multiple Diaphyseal Fractures Of The Humerus – Treatment with The Ilizarov Apparatus
I. Lalic, V. Kecojevic, S. Tomic, M. Lukic, B. Vukajlovic; Novi Sad/RS

6. PS143 – Plate Fixation Versus Intramedullary Fixation For Dislocated Mid-shaft Clavicle Fractures

7. PS144 – The vascular impairments at supracondylar fractures of the humerus at children
V.F. Kuksov; Samara/RU

8. PS145 – Results after anatomical graft-reconstruction for reversed Hill-Sachs lesions in patients with locked dorsal shoulder luxation: A case series of three patients
M. Gloyer, A. Villiger, R. Stieger; Wetzikon/CH

P. Sturch, D. Marsland, I. Barlow; Dorchester/UK

10. PS147 – Operative fixation of rib fractures: a description of a modern approach to reduction and fixation of rib fractures
N. D’Souza¹, A. Kamocka², E. Black³; ¹High Wycombe/UK, ²London/UK, ³Oxford/UK

11. PS148 – Hyaluronic acid in intraarticular fractures and secondary arthrosis.
D. Todhe; Tirane/AL

12. PS149 – Valgus intetrocanteric osteotomy for varus malunion after an intracapsular fracture. A case report
J. Quintana, M. Porras-Moreno, V. Rodriguez-Vega, A. Jorge Mora, I. Auñon, C. Resines Erasun; Madrid/ES
13. PS150 – Preferences of the blocking intermedullary osteosynthesis at diaphysis fractures of the tibia at young sportsmen  
V.F. Kuksov; Samara/RU

14. PS151 – Malrotation After Locked Tibial Intramedullary Nailing  
F. Say, A.M. Bülbül; Samsun/TR

15. PS152 – Biomechanical investigation of different external fixation frames in regard of pins configuration  
M.M. Mitkovic; Nis/RS

16. PS153 – Systematic review of the complications of plate fixation of clavicle fractures  
O.A.J. van der Meijden¹, F.-J.G. Wijdicks², E.J.J.M. Verleisdonk², P.J. Millet³, R.M. Houwert³; ¹Vail, Co, CO/US, ²Utrecht/NL, ³Vail, CO/US

17. PS154 – Mandibular Bone Traumatic Cyst: A Case Report  
T.E. de Almeida¹, G.H. Cainelli¹, J.P.S. Gandara¹, J.A.S. da Silva¹, H. Pippa³, E. Achar¹, M.A.F. Ribeiro Jr¹; ¹São Paulo/BR, ²Guarulhos- Sp/BR, ³03071000/BR

18. PS155 – Mid-Term Results of Surgical Treatment of Sanders Type II and Type III Fractures  
B. Tunc, M.F. Catma, K. Hazanay, M. Altay; Ankara/TR

10:30 – 12:00  
Hall Montreal

ILC
Education

The Acute Care Surgeon
Chairs: O. Trentz (Zurich, Switzerland), A. Peitzman (Pittsburgh, USA)

1. Introduction: Do we really need him?  
Yes we do  
R. Mackersie, San Francisco, USA  
No, we don’t  
H.-C. Pape, Aachen, Germany

2. The situation as it is today in the USA  
J. W. Meredith, Winston-Salem, USA
3. The situation as it is today in the Netherlands  
   L. Leenen, Utrecht, The Netherlands
4. The situation as it is today in Greece  
   S. Stergiopoulos, Athens, Greece
5. The situation as it is today in Switzerland  
   R. Babst, Lucerne, Switzerland

10:30 – 12:00  
Hall Singapore

ILC

Neurotrauma and Sport Injuries  
“My brain is my second most important organ” (Woody Allen)  
Chairs: R. Schaumann-von Stosch (Lucerne, Switzerland), I. Ashkenazi (Hadera, Israel)

1. Diagnosis of traumatic brain injury and the role of teleradiology  
   I. Ashkenazi, Hadera, Israel
2. Time is brain  
   J. Stover, Zurich, Switzerland
3. Minor brain injury in sport  
   D. Marx-Berger, St. Gallen, Switzerland
4. The wear of a helmet in sport, does it make sense?  
   H. Landolt, Aarau, Switzerland
5. What do we know about persistent complaints after mild traumatic brain injury?  
   J. Sönke, Bellikon, Switzerland
SCIENTIFIC PROGRAMME — TUESDAY

10:30 – 12:00  Hall Sydney

Curtain-up Session

Trauma and Rescue Systems in Asia Today
Sponsored by Synthes, Switzerland
Chairs: S. Bavonratanavech (Bangkok, Thailand), D. Heim (Frutigen, Switzerland)

1. Introduction
   S. Bavonratanavech, Bangkok, Thailand

2. The rescue team of Taiwan
   C. H. Ma, E-Da, Taiwan

3. Medical response for 2011 Tōhoku earthquake and tsunami in Japan 2011
   M. Shindo, Tokyo, Japan

4. The status of emergency treatment of China trauma and the strategy of development
   J. BaoGuo, Beijing, China

5. A saga of trauma care in incredible India
   P. P. Kotwal, New Dehli, India

10:30 – 12:00  Hall Osaka & Samarkand

ECTES/ESS Session

Basic Science and Translational Medicine
Chairs: H. Redl (Vienna, Austria), M. Huber-Lang (Ulm, Germany)

1. Key-note: Translation of basic trauma-immunology research to polytrauma care
   M. Huber-Lang, Ulm, Germany

2. Key-note: Trauma-induced coagulopathy: Goal directed therapy
   C. Schlimp, Klagenfurt, Austria

3. O156 – Incidence and course of psychiatric morbidity in the first 12 months following traumatic injury
   J. Mouthaan¹, M. Sijbrandij², J.S.K. Luitse³, B.P.R. Gersons¹, J.C. Goslings¹, M. Olff¹; ¹Amsterdam/NL, ²Utrecht/NL
4. O157 – Outcomes after Massive Transfusion are Equivalent to those after Supra-Massive Transfusion
   D.N. Holena¹, C.A. Sims², J.L. Pascual², P.M. Reilly², C.W. Schwab²; ¹Philadelphia, PA/US, ²PA/US
5. O158 – Derivation and Validation of A Novel, Easy-to-Calculate and Accurate Trauma Severity Score from Japan Trauma Databank
   A. Shiraishi¹, K. Morishita¹, D. Saitoh², Y. Otomo¹; ¹Tokyo/JP, ²Tokorozawa, Saitama/JP
   S.A. Savage¹, B.L. Zarzaur, Jr.¹, H. Hancock², M.A. Croce¹, T.C. Fabian¹; ¹Memphis, TN/US, ²Lackland Afb, TX/US
7. O160 – Mode of fluid replacement affects risk of organ injury after hemorrhagic traumatic shock
   A. Zifko¹, C. Penzenstadler¹, M. Jafarmadar², A. Khadem², A. Kozlov², H. Redl², S. Bahrami²; ¹Wien/AT, ²Vienna/AT
8. O162 – CK-MB/CK ratio as an indirect predictor for survival in patients with polytrauma
   F.M. Kovar, G. Endler, V. Vécsei, S. Hajdu, T. Heinz, O.F. Wagner, A. Silke; Vienna/AT
9. O163 – Systemic Inflammatory Response and Organ Dysfunction following Haemorrhagic Shock and Pulmonary versus Systemic IL-10 Administration
   R. Pfeifer, P. Lichte, H. Schreiber, H.-C. Pape, P. Kobbe; Aachen/DE

10:30 – 12:00

Nurses and ORP Session

AOTrauma Session

Chairs: T. Müller (Haldenstein, Switzerland), I. Van Rie-Richards (Davos, Switzerland)

1. Die AO: 50 Jahre danach/ 50 years later
   P. Matter, Davos, Switzerland
2. Von der präklinischen Forschung zum fertigen Produkt/ From preclinical research to product developement
   P. Brunner, Langendorf, Switzerland
The AOTrauma European (AOTEU) Education Committee has created a program of eleven AOTEU regional Masters level education events focused on the needs of experienced surgeons. These courses are Masters level special topic seminars and anatomical specimen workshops. Find out more and register for these courses under www.aotrauma.org.

### 2012 AOTrauma Europe Masters Seminars & Anatomical Specimen Workshops

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For more information visit www.aotrauma.org
www.aotrauma.org/coursedirectory.aspx
3. Evidenzbasierte Medizin für Op-Schwestern/ Evidence-based medicine for nurses
   D. Schmid, Dübendorf, Switzerland

4. AO Trauma und die Operationsschwester/ AO Trauma, what does it offer to ORP
   I. Van Rie-Richards, Davos, Switzerland

5. Panel discussion

Simultaneous translation sponsored by SUVA

10:30 – 12:00  Hall Swissotel

Poster Session

Emergency Surgery III
Chairs: D. Mariani (Castellanza, Italy), B. Schnüriger (Berne, Switzerland)

1. PS156 – Successful damage control surgery in grade V liver injury.
   A. Rudzâts, D. Soldatenkova, S. Stabina, G. Pupelis; Riga/LV

2. PS157 – The importance of liver enzymes in hepatic trauma
   L.B. Salim\textsuperscript{1}, G.H. Cainelli\textsuperscript{2}, J.P.S. Gandara\textsuperscript{3}, J.A.S. da Silva\textsuperscript{2},
   C.M. de Oliveira\textsuperscript{1}, L.A.L. da Silva\textsuperscript{1}, H. Pippa\textsuperscript{1}, J.V.P. Huayllas\textsuperscript{1},
   E. Achar\textsuperscript{2}, M.A.F. Ribeiro Jr\textsuperscript{2}; \textsuperscript{1}03071000/BR, \textsuperscript{2}São Paulo/BR,
   \textsuperscript{3}Guarulhos/BR

3. PS159 – Thoracoabdominal Penetrating Wound Treated by Thoracoscopy – A Case Report
   S.V. Starling\textsuperscript{1}, E.A. Junior\textsuperscript{2}, P.P. Furtado\textsuperscript{2}, W.J. dos Santos\textsuperscript{2},
   F.L. Pereira\textsuperscript{2}; \textsuperscript{1}Belo Horizonte/BR, \textsuperscript{2}Patos De Minas/BR

4. PS160 – Damage control surgery approach in a grade IV hepatic injury – case of success in an inexperienced hospital
   N. Fernandes\textsuperscript{1}, I. Subotin\textsuperscript{1}, M. Reis\textsuperscript{1}, L. Silva\textsuperscript{1}, P.M. Ramos\textsuperscript{2},
   C. Caldeira\textsuperscript{1}, E. Parodi\textsuperscript{1}, F. Jamsins\textsuperscript{1}, A. Teixeira\textsuperscript{1}, \textsuperscript{1}Funchal/PT,
   \textsuperscript{2}089/PT

5. PS161 – A rare adult presentation of a massive congenital diaphragmatic hernia
   L.J. Cook, D. Debnath, R. Tabbakh, R. Daoud, I. Karat, I. Laidlaw; Frimley/UK

6. PS163 – Negative prognostics factors in pancreatic trauma
   B. Gaspar, S. Paun, R. Ganescu, I. NEGoi, M. Beuran, I. Lica; Bucharest/RO
7. PS164 – Spontaneous Rupture Of The Spleen in non Diagnosed Hodgkin’s Lymphoma: A Case Report
C. Mauricio Alvarado, J. López Pérez, F. Oliva Mompeán; Seville/ES

8. PS165 – Subcutaneous emphysema in the anterior coli area, in a child with blunt chest trauma.
A.S. Dogjani, G.S. Zikaj, M.D. Kerci, B.E. Hasanaj, A.M. Lila; Tirana/AL

9. PS166 – Treatment of breast gangrene – a rare condition
E. Ozkurt, I.Ş. Sarıcı, H.T. Yanar, C. Ertekin, R. Gugol, M.K. Günay; Fatih/TR

10. PS167 – Multiple hepatic hydatidosis – case report – C. Iorga¹, C. Puscu¹, A. Manta¹, S. Stoian¹, P.A. Radu¹, M. Bratucu¹, D. Garofili², M. Dumitras², G. Orosan², V.D.E. Strambu², F. Popa²; ¹Bucharest/RO, ²Bucuresti/RO

11. PS168 – Trauma Patients With Solid Organ Injury: Results from a Border Town Hospital In Turkey
A.C. Dural¹, C. Ercetin¹, T. Tezcaner², M. Kirnap², N.F. Sayit³, E. Kabul Gurbulak⁴, B. Gurbulak⁴; ¹Igdir/TR, ²Ankara/TR, ³Gaziantep/TR, ⁴Istanbul/TR

12. PS169 – Focused assessment with sonography in trauma (FAST) – experience of a tertiary hospital in South-East Asia
E. Wong¹, A. Ngo²; ¹169608/SG, ²159964/SG

13. PS170 – Nonoperative management of splenic trauma in polytrauma setting
M. Beuran, I. Negoi, S. Paun, A. Runcanu, B. Gaspar, M. Vartic; Bucharest/RO

14. PS171 – The Impact of Solid Organ Injuries On the Outcome of Children with Blunt Multiple Trauma
O. Ben-Ishay, H. Bahouth, Z. Peled, Y. Kluger, L. Hayari, M. Arkovitz; Haifa/IL

15. PS172 – Splenic Artery Embolization in the pediatric population – an 8 year experience from a major Scandinavian Trauma Center
J. Skattum, C. Gaarder, P.A. Naess; Oslo/NO
16. PS174 – Can Handheld Micropower Impulse Radar Technology Be Used to Detect Pneumothoraces? First Experience From A European Trauma Center
   C.E. Albers¹, P. Haefeli¹, M. de Moya², H. Zimmermann¹, A.K. Exadaktylos¹; ¹Bern/CH, ²Boston, MA/US

17. PS175 – Abdominal Myxofibrosarcoma, Acute & Lethal Presentation: A Case Report

12:00 – 12:12  Hall Montreal

Twelve to Twelve Lecture
Amputation of dismemberment under the rubble pile: If it is you who has to decide
O. Hagon, Arzier, Switzerland

12:00 – 12:12  Hall Singapore

Twelve to Twelve Lecture
Nailing of forearm shaft fractures
T. Braunsteiner, Abu Dhabi, UAE

12:00 – 12:12  Hall Sydney

Twelve to Twelve Lecture
How to deal with bone defects
T. Bégué, Clamart, France
Twelve to Twelve Lecture

**Trauma systems: How to train the visceral trauma surgeon**

W. J. Meredith, Winston-Salem, USA

12:00 – 12:12

Hall Osaka & Samarkand

Twelve to Twelve Lecture

**How to motivate young surgeons for trauma research**

I. Marzi, Frankfurt, Germany

12:00 – 12:12

Hall Rio

Twelve to Twelve Lecture

**From bench to bedside**

I. Martin, Basel, Switzerland

12:00 – 12:12

Hall Swissotel

ESTES General Assembly

12:30 – 13:30

Hall Montreal

Public Session (in German)

**Das neue Arztbild, Sportverletzungen, Strassensicherheit und Knochenbrüche im Alter**

Chairs: R. Babst (Lucerne, Switzerland), P. Lenzlinger (Schlieren, Switzerland)

1. Die Rolle der Frau in der Medizin
   B. Wölnerhanssen, Basel, Switzerland

2. Erste Hilfe und Rettung im Gebirge
   A. G. Brunello, Chur, Switzerland

3. Helmtragen im Sport
   R. Schaumann-von Stosch, Lucerne, Switzerland

4. WHO “decade on action for road safety”: Via sicura – das Schweizer Modell
   P. Portmann, Berne, Switzerland
5. Altersfrakturen – Neue Modelle für die Zukunft  
F. Saxer, Basel, Switzerland

13:30 – 15:00  
Hall Singapore

Visceral Trauma II
Chairs: J. Asensio (Miami, USA), R. Rosso (Lugano, Switzerland)

1. Key-note: Vascular injuries of the abdomen  
J. Asensio, Miami, USA

2. O164 – Mortality study of factors associated with pelvic fractures in the trauma patient  

3. O165 – Twenty Years of Splenic Preservation in Trauma: Lower Early Infection Rate than in Splenectomy  
W.P. Schweizer¹, S. Paulet-Gerber¹, C. Seiler²; ¹Schaffhausen/CH, ²Bern/CH

4. O166 – Surgical management of severe liver trauma after blunt injuries.  
V.M. Mutafchiyski, I.R. Takorov, V.I. Mihaylov, N.N. Vladov; Sofia/BG

5. O167 – Blunt hollow viscus perforations due to abdominal contusions: diagnostic particularities and prognostic factors for death  
A.E. Nicolau, M. Craciun, V. Merlan, G. Dinescu, A. Kitkani; Bucharest/RO

6. O168 – Contrast Enhanced Ultrasound (CEUS) in Follow-Up of Blunt Splenic Trauma  
M. Zago¹, H. Kurihara¹, D. Mariani¹, A. Casamassima², F. Butti¹, R. Foà¹; ¹Ponte San Pietro (bg)/IT, ²Milano/IT

7. O169 – Early infection rate in patients sustaining blunt splenic injury  
M. Teuben, L. Leenen; Utrecht/NL

8. O170 – Small Intestinum Injuries  
S.D. Sekulic, A.S. Sekulic-Frkoic, A.S. Sekulic, J.S. Vasic; Gracanica/RS

9. O013 – Short and long-term survival and descriptive data after angioembolization for trauma  
C.H. Montan, M. Hedberg, C.M. Wahlgren; Stockholm/SE
13:30 – 15:00  

Guest Symposium

**SOFCOT**  
Chair: T. Bégué, Clamart, France

1. **Spine Damage control in polytrauma patients**  
   C. Vincent, Bicetre, France

2. **The Palm Tree technique and tuberosities osteosynthesis in 3 and 4 part fractures of the humerus**  
   N. Bonnevialle, Toulouse, France

3. **Damage control management of open fractures of the leg**  
   T. Bégué, Clamart, France

4. **Calcaneal fractures: How to deal with it?**  
   M. Goldzak, Toulouse, France

13:30 – 15:00  

Sport Injuries – Lower Extremity  
Skeletal Trauma

Chairs: H. Resch (Salzburg, Austria), M. Jakob (Basel, Switzerland)

1. **Key-note: Fracture dislocation at the foot**  
   F. J. Seibert, Graz, Austria

2. **O171 – Regeneration of the anterior cruciate ligament using silk scaffolds and a custom-made bioreactor system**  
   A. Teuschl¹, M. Hohrieder², K. Cicha¹, M. van Griensven¹, J. Stampfl¹, H. Redl²; ¹Vienna/AT, ²Feldkirch/AT

3. **O172 – Controlled immediate full weightbearing gives faster recovering after malleolar synthesis**  
   F. Carlier, S. Troussel; Charleroi/BE

4. **O173 – Fracture Classification and Clinical Results by CT evaluation of Femoral Trochanteric Fractures Treated with PFNA-II**  
   E. Shoda; Nishinomiya/JP

5. **O174 – Long term follow-up of a comparison of hemiarthroplasty with total hip replacement for displaced intracapsular fracture of the femoral neck**  


8. O177 – Non-operative Treatment of Acute Rupture of the Achilles Tendon T.M. Ecker¹, F. Krause¹, T. Müller¹, M. Weber²; ¹Berne/CH, ²Bern/CH

13:30 – 15:00 Hall Rio

Nurses and ORP Session
Abdominales Trauma / Abdominal Trauma
Chairs: M. Weber (Zurich, Switzerland), R. Dries (Freiburg, Germany)

1. Diagnostik: Der Ultraschall reicht/Diagnostic: The role of the Ultrascan J. Mattli, Davos, Switzerland

2. Vorgehen bei Milzverletzung/Strategy in spleen injury T. Müller, Chur, Switzerland

3. Leber- und Pancreasverletzung/Hepatic and pancreatic injuries M. Weber, Zurich, Switzerland

4. Abdominale Gefässverletzungen/Abdominal Vascular Lesions J. Schmidli, Berne, Switzerland

5. Panel discussion

Simultaneous translation sponsored by SUVA
SCIENTIFIC PROGRAMME – TUESDAY

13:30 – 15:00  Hall Swissotel

Poster Session
Skeletal Trauma
Hand and others
Chairs: H. Siebert (Schwäbisch Hall, Germany), G. Kohut (Fribourg, Switzerland)

1. PS177 – Therapy of Fingertip injuries: The semi-occlusive dressing as an alternative option to local skin flaps
   S. Quadlbauer, C. Pezzei, J. Jurkowitsch, T. Beer, H. Hertz, M. Leixnering; Vienna/AT

2. PS179 – An Alternative Treatment Method For Treating Distal Tibial Intraarticular Fractures: Hybrid External Fixator
   F. Say, A.M. Bülbül; Samsun/TR

3. PS180 – Effect of Ball Joint Location in External Fixator on Wrist Motion in Distal Radius Fractures
   S.H. Moon, S. Lee, B.S. Seo, D.K. Ahn; Seoul/KR

4. PS181 – Minimally invasive scaphoid osteosynthesis – still need for a cast?
   J. Ciernik, M. Reska, J. Konecny, M. Kabela; Brno/CZ

5. PS182 – Hand and wrist fractures in polytraumatized patients
   R. Matteotti, B. Panero, A. Gallo, D. Ciclamini, R. Panarese, B. Battiston; Turin/IT

6. PS183 – The changing of the treatment for distal radius fractures
   M. Uchino; Machida City/JP

7. PS185 – Late results of tendon transposition to restore hand function
   A. Renner, L. Egri, J. Rupnik, A.R. Szentirmal; Budapest/HU

8. PS186 – External fixator in treatment of comminuted intraarticular fracture at the first metacarpal base
   J. Konecny, L. Veverkova, M. Reska, J. Ciernik; Brno/CZ

9. PS187 – Rupture of Extensor Hallucis Longus Tendon during sport activity
   I. Frangez, R. Beden, K. Strus; Ljubljana/SI

10. PS189 – Late radiographic follow up of uncomplicated distal radius fractures, is it justified? Clinical outcome and financial implications.
    N. Eastley, Z. Khan; Kettering/UK
11. PS190 – Arthroscopic treatment of the ankle impingement syndrome after inversion injury
   I. Frangez, V. Senekovic, M. Veselko; Ljubljana/SI

12. PS191 – A novel approach to wrist reduction – A cross trust analysis and the potential health economics
   R. Karthigan, M.R. Ricks, A. Mohan, N. Ellahee, J. Hendry, K. Stevens; London/UK

13. PS192 – Endoscopic technique for bone grafting at docking site during bone transport. Report of four cases
   F. Sala, E. Marinoni, F. Castelli, M. Othman, D. Capitani; Milano/IT

14. PS193 – Predictors of Return after Cast Removal in Patients with a Nonoperatively Treated Distal Radius Fracture
   W.E. Bruinsma, A.G.J. Bot, D. Ring; Boston, MA/US

15. PS194 – The Extended Flexor Carpi Radialis Approach for Partially Healed Mal-aligned Fractures of the Distal Radius
   M. Wijffels¹, J. Orbay², I. Indriago³, D. Ring¹; ¹Boston, MA/US, ²Miami, FL/US

   R.C. Ostermann, M. Gregori, M. Hofbauer, P. Platzer, C. Fialka; Vienna/AT
SCIENIFIC PROGRAMME – TUESDAY

15:15 – 16:45                                                                      Hall Montreal

ILC
Visceral Trauma

Abdominal Trauma
Chairs: K. Taviloglu (Istanbul, Turkey), D. Candinas (Berne, Switzerland)

1. The role of US-Scan – oldfashioned or the future (again)
   J. Mattli, Davos, Switzerland

2. When is a patient hemodynamically stable / unstable
   A. Berset, Basel, Switzerland

3. A quarter century experience in liver trauma: a plea for early CT and
   conservative management for all hemodynamically stable patients
   M. Lesurtel, Zurich, Switzerland

4. To remove or to preserve the spleen
   B. Schnüriger, Berne, Switzerland

5. Multislice CT during primary assessment in multiple injured
   patients
   R. Komadina, Celje, Slovenia, D. Brilej, Celje, Slovenia

15:15 – 16:45                                                                 Hall Sydney

Selected Best Poster Presentations
Chairs: T. Ilchmann (Liestal, Switzerland), P. Lenzlinger (Schlieren, Switzerland),
D. Inderbitzin (Berne, Switzerland), K.H. Widmer (Schaffhausen, Switzerland)

15:15 – 16:45                                                  Hall Osaka & Samarkand

ILC
Disaster & Military Surgery

What went wrong?
Chairs: L. Riddez (Stockholm, Sweden), F. Turegano (Madrid, Spain)

1. Ethical considerations in disaster medical response
   O. Hagon, Arzier, Switzerland

2. What can go wrong – anywhere, lessons to learn
   M. Beverly, London, United Kingdom
3. What went wrong – in Haiti  
   L. Riddez, Stockholm, Sweden  
4. What went wrong – in Japan  
   M. Shindo, Tokyo, Japan  
5. What went wrong – in Norway  
   T. Gaarder, Oslo, Norway

15:15 – 16:45  
Hall Rio

Nurses and ORP Session
Verschiedenes / Miscellaneous
Chairs: P. Neidenbach (Zurich, Switzerland), A. Kunz (Dresden, Germany)
1. Komplikationen im Operationssaal/ Complications in the OR  
   R. Dries, Freiburg, Germany  
2. Das Berufsbild der “Operationsschwester” heute/ The nurse in  
   theatre today  
   A. Kunz, Dresden, Germany  
3. Nadelstichverletzungen im Ops/ Injuries by needlestick in the OR  
   P. Neidenbach, Zurich, Switzerland  
4. How it ticks: Das Operationsteam/ How it ticks: the team in the OR  
   F. Bähler, St. Gallen, Switzerland  
5. Panel discussion

Simultaneous translation sponsored by SUVA
POSTER INDEX

DIAPHRAGM AND OESOPHAGEAL INJURIES

P001 - Management of acute complicated paraesophageal hernias
L. Alvarez Llano, J. De Tomás Palacios, Y. Mohamed Al-lal, T. Sanchez Rodriguez, F. Turegano Fuertes; Madrid/ES

P002 - Diagnostical and Surgical Mistakes during Diaphragm Injury
A. Chatterjee, Z. Chkhaidze, N. Lominadze, T. Gvenetadze; Tbilisi/GE

M. Pol, A. Gupta, S. Kumar, B. Mishra, S. Sagar, M. Singhal; Delhi/IN

GERIATRIC TRAUMA

P004 - Bilateral total knee arthroplasty in a patient with neuropathic (Charcot) joints-Mid term results.

P005 - PAMMA augmented DHS in trochanteric fractures: A simple & effective technique
R. Gupta; Rohtak/IN

P006 - Angle stable versus conventional distal tibia nail locking screws – a biomechanical study on fatigue performance
M. Lenz1, B. Gueorguiev1, R.G. Richards1, T. Mückley2, G.O. Hofmann2, M. Windolf1, D. Höntzsch3; 1Davos Platz/CH, 2Jena/DE, 3Tübingen/DE

P007 - Non-syncopal falls in the bathroom: underestimated mode of injury
H. Abdelrahman, R. AlAjaj, A. El-Menyar, A. Almadani, A. Shunni, H. Al Thani, R. Latifi; Doha/QA

P008 - The Gamma3 trochanteric nail - A prospective Evaluation of 70 consecutive Patients with trochanteric fractures of the femur (4 months results)
E. Wilde, H. Kemper, G. Zech, G. Heinrichs, A. Paech, A.P. Schulz; Luebeck/DE

P009 - The association between gender and mortality for trauma care in Japan.
T. Fujita, Y. Uchida, T. Sakamoto; Tokyo/JP

P010 - Peri-implant bone quality assessment in the proximal humerus
D. Schiuma1, M. Plecko2, M. Kloub2, S. Rothstock1, M. Windolf1, B. Gueorguiev-Rüegg1; ’Davos Platz/CH, ’Graz/AT, ’Česke Budejovice/CZ

P011 - The use of the Gamma3 nail in geriatric trochanteric and subtrochanteric fractures – a prospective clinical trial
B. Bücking, J. Struwer, T. Müller, S. Ruchholtz; Marburg/DE

P012 - The Spectrum of Alcohol and Drug Abuse in Elderly Trauma Patients
A.P. Ekeh, M. Walusimbi, R. Woods, M. McCarthy; Dayton, OH/US

P013 - The anterior transarticular C1-2 stabilisation in atlanto-axial instabilities – a considerate procedure in elder patients.
POSTER INDEX

P014 - Management of periprosthetic fractures following ipsilateral knee and hip endoprosthesis.
J. Köttstorfer, R. Schuster, R. Ostermann, G. Oberleitner, R. Schmidt, S. Eipeldauer, P. Platzer; Wien/AT

P015 - Experience with the Targon FN system for femoral neck fractures
X. Bucher1, M. Bachmann2, M. Clauss1, T. Ilchmann1; 1Liestal/CH, 2Langenthal/CH

P016 - Risk factors for clinical outcome of proximal humeral fractures.
F. Domaszewski, M. Gregori, H. Binder, C. Fialka; Vienna/AT

P017 - Low revision rate in the treatment of intertrochanteric femur fractures with PFN A
R. Härtel, A. Platz; U. Can; Zurich/CH

P018 - Treatment of the displaced femoral neck fractures: indications and limits of osteosynthesis
I. Flóris, Z. Vendégh, J. Baktai, B. Gloviczky, P. Balázs; Budapest/HU

P019 - Locking compression plate fixation for supracondylar periprosthetic fracture of the distal femur after total knee arthroplasty
C. Michelitsch; Chur/CH

P020 - LCP Distal Humerus Plate, useful or just another plaything?
U. Can, M. Rancan, A. Platz; Zurich/CH

P021 - withdrawn

P022 - External fixator for pertrochanteric fractures in severely ill elderly patients
T. Kozák, R. Hart; Znojmo/CZ

P023 - Osteosynthesis with plate in multifragmental metaphyseal fractures of femoral bone
S. Sakhvadze, K. Sirbiladze, V. Kakhnidze, S. Sakhvadze; Tbilisi/GE

P024 - Pertrochanteric fractures treated with PC.C.P.:
E. Grosso, R. Matteotti, M.P. Tarello, L. Rollero, R. Sisto, B. Battiston; Turin/IT

P025 - A Retrospective Cohort Study To Determine Whether Common Head Injury Symptoms Differ Between Elder patients and Non Elder patients
A. Wigelsworth, J. Batchelor, M. Wigelsworth; Manchester/UK

P026 - Outcomes of minimally invasive plate osteosynthesis through the anterolateral acromial approach using locking plates for displaced proximal humeral fractures
T. Matsumura; Shimotsuke-shi, Tochigi-ken/JP

P027 - Surgical treatment of acetabular fractures in elderly patients over 65 years
N. Shiota, T. Sato, M. Yoshida; Okayama/JP

P028 - Acute major trauma in the elderly patient.
G. Parra Sánchez, V. Guimerá García, V. Rodríguez Vega, P. Caba; Madrid/ES

HAND TRAUMA AND EMERGENCY

P029 - Outcomes of intramedullary fixation and plate fixation for humeral shaft fracture.
T. Matsura1, M. Uchino2, H. Minehara1, T. Suzuki1, M. Toyama1, H. Sekiguchi1, M. Takaso1; 1Sagamihara/JP, 2Machida/JP
P030 - The anatomical course of the ulnar nerve in pronation and supination with respect to intramedullary locked nailing
T.E. Nowak, T. Andres, S.G. Mattyasovszky, K.J. Burkhart, I. Mehling, D. Klitscher, L.P. Müller, P.M. Rommens; Mainz/DE

P031 - Incomplete non viable amputation of the upper arm after gunshot. Revascularization-Remplantation of the brachial plexus. A case report from a General Hospital
A. Manimanaki1, M. Gionis1, Z. Kokkalis1, G. Poulos1, V. Petroulakis1; 1Chania/GR, 1Athens/GR

P032 - Determinants of Grip Strength in Healthy Subjects Compared to Patients Recovering from a Distal Radius Fracture
A.G.J. Bot, M.A.M. Mulders, S. Fostvedt, D. Ring; Boston, MA/US

P033 - Role of MRI in the diagnosis of traumatic wrist pain
M. Al-Najjim, A. Mustafa, S. Morapudi, M. Waseem; 3bl/UK

P034 - New aspects in the diagnosis of posttraumatic algodystrophy of the hand with 3-phase bone scintigraphy in correlation with venous blood gas analysis
E. Scola; Neubrandenburg/DE

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A.V. Kalashnikov1, S.V. Kovalenko2, V.M. Maiko2, V.G. Lutsyshyn2, P.V. Nikitin1; 1Kiev/UA, 2Vinnitsya/UA

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P039 - NPWT - Negative Pressure Wound Therapy at a complicated multiple extremity injuries
M. Reska, J. Ciemik, J. Konecny, L. Veverkova, M. Kaspar, M. Kabela, I. Capov; Brno/CZ

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P041 - Conservative management of a grade IV renal injury with ongoing bleeding; case report
T.W.A. Koedam, H.R. Tromp, G.F. Giannakopoulos; Amsterdam/NL

P042 - Combined percutaneous internal and external fixation for treatment tibial plateau fractures
D.S. Mladenovic, P.M. Stojiljkovic, M.D. Mladenovic, I. Micic, S. Karalejic, M.B. Mitkovic; Nis/RS

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P044 - External fixation as a tool for fracture reduction before definitive internal fixation
M.B. Mitkovic, P.M. Stojiljkovic, S. Milenkovic, I. Micic, D.S. Mladenovic, M.M. Mitkovic; Nis/RS

P045 - Intramedullary fixation of forearm fractures
T. Braunsteiner; Vienna/AT

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K. Schneider1, L. Audigé2, S.-P. Kuehnel1, N. Helmy1; 1Solothurn/CH, 2Dübendorf/CH

P047 - Less invasive clavicular plate osteosynthesis
F. Carlier, S. Troussel; Charleroi/BE

P048 - “Is minimal osteoplate synthesis reliable and applicable at all levels of humeral shaft fractures?”: Clinical and cadaveric study outcomes
G. Huri1, Ö.S. Biçer1, A. Mirio Iu1, H. Öztürk2, I. Tan1; 1Adana/TR, 2Mersin/TR

P049 - Results of Percutaneous Fixation of Pelvic Ring Disruptions
O. Farouk, M. Badran, K. ElGafary; Assiut/EG

P050 - The Use of Hybrid Monolateral External Fixation for the Treatment of Complex Proximal Tibia Fractures
I.M. Kostic, M.M. Mitkovic, S.B. Karaleic, M.B. Mitkovic; Nis/RS

P051 - External fixation in pelvic fractures-can it become a definitive minimal invasive surgery?
O. Lupescu, M. Nagea, C. Patru, G.I. Popescu, D. Lupescu; Bucharest/RO

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P053 - Systematic review of complications of intramedullary fixation of displaced midshaft clavicle fractures; what can we learn?
F.-J.G. Wijdicks1, R.M. Houwert1, P.J. Millet1, E.J.J.M. Verleisdonk1, O.A.J. van der Meijden1; 1Utrecht/NL, 2Vail, CO/US, 3Vail, Co, CO/US

P054 - The relationship between trauma mechanism, fracture type and treatment of midshaft clavicular fractures
S.A. Stegeman1, C.W.J. Roeloffs1, J. van den Bremer2, P. Krijnen1, I. Schipper2; 1Leiden/NL, 2Leiderdorp/NL

P055 - Cerebral State Index and Glasgow Coma Score as a Predictor of In- Hospital Mortality in Patients with Trauma Brain Injury
M. Mahdian, M.R. Fazel, E. Fakhrarian, H. Akbari; Kashan/IR

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P058 - Temporal gunshot injuries – about 3 different cases
J.L. Alves, N. Duarte, B. Costa, R. Velasco, M. Bento, A. Lopes; Coimbra/PT
P059 - Spine injuries in pediatric polytraumatized patients: Characteristics and Experience from a Level I trauma center over two decades
M. Hofbauer, M. Winnisch, L.L. Höchtl, R. Ostermann, A. Silke; Vienna/AT

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S.D. Sekulic, A.S. Sekulic-Frkovic, A.S. Sekulic, J.S. Vasic; Gracanica/RS

P063 - Penetrating abdominal trauma: Uncommon assault in a little village in Aragon (Spain)

P064 - Torsion and infarction of the greater omentum simulating acute cholecystitis. Treatment by laparoscopy
S.G. Koulas, N. Zikos, G. Pappas-Gogos, S. Bikos; Ioannina/GR, Filiates/GR

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A.F.Z. Barragat de Andrade, F.B. Caetano, J.F. Castro, S.V. Starling, D.A.F. Drumond; Belo Horizonte/BR

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P067 - An unusual colorectal foreign body: A case report
B. Buckus, G. Varanauskas, J. Stanaitis, A. Stašinskas; Vilnius/LT

P068 - Bladder injuries after external trauma: 20 years experience report
B.M. Pereira, L.O. Reis, G.P. Fraga; Campinas/BR

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I.S. Saric, E. Ozkurt, H.T. Yanar, C. Ertekin, R. Gologlu, M.K. Güney; Fatih/TR

P070 - Surgery for perforated colorectal cancers: single institution’s experience over 10 years
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P071 - Pneumoretroperitoneum and subcutaneous emphysema after colonic jatrogenic perforation: a case report and literature review.
G. Cocorullo, G. Carollo, M.A. Di Maggio, T. Fontana, G. Gulotta; Palermo/IT
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K.I. Papagiannakos, G. Protopapadakis, P. Kalantzis, P. Papagiannopoulos, I. Akrivos; Athens/GR

P073 - An unusual maxillofacial injury
J. Thareja, S. Sagar, M. Singhal, M. Pol, A. Gupta, S. Kumar; Delhi/IN

P074 - ACL single bundle reconstruction: complications and solutions
T. Randl; Ljubljana/SI

P075 - The treatment of acetabular fracture complications in a combination of post-traumatic hip joint osteoarthritis and femoral fracture for polytrauma patient
A. Vikmanis; Riga/LV

P076 - Panton-Valentine Leukocidin Methicillin Sensitive Staphylococcus Aureus (PVL-MSSA) induced Osteomyelitis: A Case Report
A. Vasireddy, K. Turnbull, M. Phillips; London/UK

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P078 - Fractures of the lateral process of the talus

P079 - Adult Proximal Humerus Locking Plate for the Treatment of Paediatric Segmental Subtrochanteric Femoral Fracture: A Case Report
A. Vasireddy, R. Varma; London/UK

P080 - Tibial Plateau Fractures Treated with The Ilizarov Apparatus
I. Lalic, V. Kecojevic, S. Tomic, M. Lukic, B. Vukajlovic; Novi Sad/RS

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P082 - Prevention of iatrogenic radial nerve palsy in the treatment of humeral shaft fractures: an anatomical study with radiological guidance

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F.F. Adam, H.H. Refae; ‘Assiut/EG, ‘Qena/EG

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V. Rodriguez Vega, P. Caba, G. Parra Sanchez, L. Garcia Lamas, J. Quintana, B. Bravo Gimenez, A. Jorge Mora, C. Resines Erasun; Madrid/ES

P085 - Treatment of humeral shaft fractures by means of intramedullary bundle nailing
P. Obruba, L. Kopp; Ústí Nad Labem/CZ
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P. Platzer, J. Köttstorfer, I. Vielgut, R. Ostermann, R. Schuster, S. Epeldeauer, G. Pajenda; Wien/AT

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D. Aloj, R. Matteotti, D. Testa, D. Santoro, E. Petruccelli, M. Giovanni; Turin/IT

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K.-M. Mustonen, L. Mäki-Lohiluoma, E. Tukiainen, M. Paavola, M. Kirjavainen; Hus/FI

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P. Obruba, J. Avenarius, L. Kopp, P. Pilát, M. Švec, P. Černohorský; Ústí Nad Labem/CZ

P090 - Venous Thromboembolism (VTE) Risk Assessment: A Prospective Audit

C.U. Menakaya, M. Shah, R. Malhotra, H. Ingoe, T. Boddice, A. Mohsen; 2jz/UK

P091 - Thirteen to 35-year follow up after open reduction and internal fixation of tibial condylar fracture

G. Mattiassich, E. Foltin, A. Schneiderbauer, M. Van Griensven, G. Scheurecker, A. Kroepfl, M. Fischmeister; Linz/AT, Vienna/AT

P092 - Treatment of upper tibial metaphyseal and tibial plateau fractures using hybrid external fixators


P093 - How to evaluate the quality of fracture reduction and fixation of the calcaneus in clinical practice? An international Delphi consensus

M.S.H. Beerekamp, J.S.K. Luitse, M. Maas, D.T. Ubbink, N.W.L. Schep, J.C. Goslings; Amsterdam/NL

P094 - Refixation For Simple And Complex Fractures Of The Tibial Intercondylar Eminence Using The TightRope™ System


P095 - Classification of proximal ulna fractures: a new point of view

F. Bakal, S. Nijs; Leuven/BE

P096 - Is artificial Ligament reconstruction an effective option in managing patients with multiple ligament instability following knee dislocation?

S. Lakkol, R. Patel, A. Lakdawala, R. Varma; London/UK

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P098 - Acute fracture care by external fixation in patients with open physeal plate

F. Sala, M. Othman, F. Castelli, D. Capitani; Milano/IT

P099 - Are classification methods sufficient for tibia plafond fractures? Do we need any other?

C. Copuroglu, B. Yilmaz, M. Ozcan, M. Ciftdemir, K. Saridogan; Edirne/TR, Adiyaman/TR
P100 - Outcome after patella fracture
S. Wurm, P. Augat, V. Bühren; Murnau/DE

P101 - Is olecranon osteotomy a must, in the surgical treatment of distal humerus partial intra-articular fractures?
C. Copuroglu1, B. Yilmaz2, M. Giftdemir1, M. Ozcan1, K. Saridogan1; 1Edirne/TR, 2Adiyaman/TR

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S. Khan, S. Allard, R. Davenport, A. Weaver, I. Raza, K. Brohi; London/UK

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S. Jain, S. Harrison, J. Rushbrook; Leeds/UK

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A. Karentzos1, S.G. Koulas1, G. Pappas-Gogos2, N. Zikos2, N. Katsamakis2
1Ioannina/GR, 2Filales/GR

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M. Anastasu, R. Popescu, N. Micu, R. Dedu, A. Ivan; Buzau/RO

I. Intzeris1, K. Agrogianii2, P. Prigouris2, L. Iosifidis2, S. Prigouris2; 1Tripolis/GR, 2Athens/GR

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R. Schmidt, W. Machold; Vienna/AT

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M. Heeres, K.M. Groeneveld, L. Koenderman, L. Leenen; Utrecht/NL

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C.D. Weber, P. Lichte, P. Kobbe, H.-C. Pape; Aachen/DE

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P. Åström, T. Söderlund, L. Handolin; Helsinki/FI

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M. Teuben, L. Leenen; Utrecht/NL

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B.C. Enholm, R. Sollymani, P. Vikatmaa, M. Karjalainen, M. Baumann, A. Leppäniemi; Helsinki/FI

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P. Joosse, N.L. Schep, J.C. Goslings; Amsterdam/NL

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P124 - Complications in the extended lateral approach for calcaneal fractures do not influence long-term outcome.

R.D. Groot1, A. Frima1, T. Schepers2, W. Roerdink1; 1Deventer/NL, 2Rotterdam/NL

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M.J. Weaver, W.E. Bruinsma, E. Toney, E.E. Dafford, M.S. Vrahas; Boston, MA/US

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D. Moszkowicz, C. Trésallet, G. Godiris-Petit, S. Noullet, H. Salepçioglu, S. Li Sun Fui, F. Menegaux ; Paris/FR

P127 - Lower gastrointestinal perforation, age and the length of hospital stay contribute to the mortality in acute care surgery.


P128 - Treatment options for upper gastrointestinal bleeding of non-variceal ethiology in emergency - 10 years of experience

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P.C. Bautz; Adelaide, SA/AU
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S. Coze, J. Soussan, C. Prost, P.-J. Arnoux, C. Brunet, M. Panuel, K. Chaumoitre; Marseille/FR

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M. Cassar, C.M. Caruana; Msida/MT

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I. Fuchs1, R. Schrittwieser1, J. Tauss1, F.M. Kovar2; 1Bruck/Mur/AT, 2Vienna/AT

P133 - Effects of accidental hypothermia on posttraumatic complications and outcome in multiple trauma patients
P. Mommsen1, H. Andruszkow2, C. Zeckey2, M. Frink2, C. Macke2, C. Krettek2, F. Hildebrand2; 1Hannover/DE, 2Hannover/DE

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J.J. Leow, L.-T. Teo, P. Lingam, J. Cheng, M.T. Chiu; Singapore/SG

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H. Redl, S. Drechsler, K. Weixelbaumer, M. Jafarmadar, M. Van Griensven, S. Bahrami, M.F. Osuchowski; Vienna/AT

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J.M. Saxe; Dayton, OH/US

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J. Jarry1, V. Nguyen1, N. Biance2, M. Imperato1, F. Rongieras1, P. Michel1; 1Lyon/FR, 2Bordeaux/FR

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A. Frischknecht, S. Fleischmann, H. Büchel, G.A. Melcher; Uster/CH

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B. Citgez, A.N. Cengiz, I. Akgun, M. Uludag, G. Yetkin, N. Balat, Ö. Ozcan, N. Polat, O. Karatepe, A. Akcakaya; Istanbul/TR

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B. Citgez, I. Akgun, M. Uludag, G. Yetkin, F. Ferhatoglu, A. Akcakaya; Istanbul/TR
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M. Malota, W. Woehrl, R. Kopp; München/DE

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M. Weuster, S. Ostern, J. Finn; Kiel/DE

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J.P.S. Gandara1, J.A.S. da Silva1, G.H. Cainelli1, C.M. de Oliveira2, E. Achar1, M.A.F. Ribeiro Jr1, C.F. Collares2; 1São Paulo/BR, 203071000/BR

P149 - Electronic Surveillance and Personal Feedback Increase Hand Hygiene Compliance and Quality among Health Care Providers
E. Brauner, O. Ben-Ishay, H. Gilshtein, Y. Kluger; Haifa/IL

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P. Schober, L.A. Schwarte; Amsterdam/NL

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M. Burggraf, B. Hussmann, J. Keitel, M.D. Kauther, S. Lendemans; Essen/DE

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T. Lustenberger, B. Reijia, B. Puttkammer, I. Marzi; Frankfurt/DE

P154 - Benefits of helicopter emergency medical service compared to ground emergency medical service in trauma patients
H. Andruszkow1, R. Lefering2, M. Frink1, C. Zeckey1, P. Mommsen1, C. Krettek2, F. Hildebrand2; 1Hannover/DE, 2Köln/DE

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P156 - Is a 5% Undertriage Rate Acceptable In-Hospital? Increased Mortality for Untriaged Patients in a Mature Trauma Center with an Aggressive Trauma Activation System
A.T. Rogers1, F.B. Rogers2, M. Krasne1, E.H. Bradburn2, J. Lee1, D. Wu1, C.W. Schwab3, M.A. Horst1; 1Lancaster, PA/US, 2Hershey, PA/US, 3Philadelphia, PA/US

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B. Auner, E. Geiger, B. Reijia, D. Henrich, I. Marzi; Frankfurt/DE

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R. Lefering, T. Paffrath, T. Coates2, F. Lecky2; "Cologne/DE, 2Salford/UK
P159 - Implementation of an evidence based diagnostic protocol in the evaluation of blunt high-energy trauma patients
R. van Vugt¹, D. Kooi², S. Lubeek², H. Dekker², M. Brink², J. Deunk², M. Edwards²
¹Arnhem/NL, ²Nijmegen/NL

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A.C. Gunning, K.W.W. Lansink, L. Leenen; Utrecht/NL

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L.M. Geeraedts Jr¹, L.A. Pothof², E.S. de Lange-de Klerk¹, E. Caldwell², S. D’Amours³;
¹Amsterdam/NL, ²Ede/NL, ³Sydney/AU

P163 - Traumatic deaths in hospital: analysis of preventability and lessons learned
S. Vähäaho¹, T. Söderlund¹, L. Handolin¹, I. Tulikoura², M. Niemelä², J. Reitala²; ¹Espoo/FI, ²Helsinki/FI

P164 - Compliance of the field triage protocol in high energy trauma patients
J.V. Laarhoven, K.W.W. Lansink, L. Leenen; Utrecht/NL

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M. Akkas, N.M. Aksu, C. Akman, E. Akpinar, M.M. Özmen; 06200/TR

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S. Tsitsilonis, A. Springer, T. Lindner, J. Koch, T. Marnitz, N.P. Haas, F. Wichlas; Berlin/DE

P168 - Problems in preventable trauma death cases occurred mainly in the emergency room in Chiba prefecture hospitals in Japan in 2009
T. Motomura, K. Mashiko; Inzai, Chiba Prefecture/JP

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P170 - Major trauma and urban cyclists
J. Manson, S. Cooper, A. West, E. Foster, N. Tai; London/UK

P171 - Procedural sedation and analgesia in a regional hospital Emergency Department in Switzerland
D.S. Vincent, M. Marco; Neuchatel/CH

P172 - The effect of severe injury on quality of life and the incidence of psychopathology. A pilot study
C.C.H.M. van Delft-Schreurs MSc, J. van Bergen Bsc, P. van de Sande MSc, M. de Jongh, M.H.J. Verhofstad, J. de Vries; Tilburg/NL

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A. Vasireddy, M. Phillips, D. Lewis; London/UK
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Essential tool to control bleeding

Fast and effective hemostasis

- Stops bleeding fast in 90 seconds \(^*\)\(^{1,2}\)
- Conforms to irregular wound geometries and forms a mechanically stable clot \(^*\)\(^{1,2}\)
- Reduces blood transfusions and post operative bleeding \(^*\)
- Proven 89% effective in heparinised patients within 10 minutes \(^*\)
- Malleable and trimmable applicator tips available

\(^{*}\)When control of bleeding by ligature or conventional procedures is ineffective or impractical
\(^{1}\) Median time to hemostasis

\(^{2}\) Floseal Hemostatic Matrix Instructions for Use, Deerfield, IL: Baxter International Inc 2000


\(^{5}\) Oz MC. Crossmone DM, Badveke BR.


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CH-8010 Zurich
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