BACKGROUND INFORMATION

This two day Workshop discusses the theoretical and practical aspects of wound ballistics; the discussions are led by various experts. There are also live demonstrations, under laboratory conditions, of a variety of projectiles being shot into internationally accepted tissue simulants (no animals are used). The Workshop is designed to give an essential understanding of the subject, mainly to the following professions:

- Health professionals, especially trauma surgeons;
- Pathologists;
- Forensic specialists;
- Lawyers specialising in international humanitarian law and human rights law;
- Law enforcement shooting instructors.

ORGANIZERS

Scientific Organization

University of Bern
Institute of Legal Medicine,
Center of Forensic Physics / Ballistics
www.irm.unibe.ch

Congress Organization

Congress Center Hitzkirch
www.seminarhitzkirch.ch

LECTURERS

Dr. sc. forens. Beat P. Kneubuehl, MD h. c., bpk consultancy gmbh, Thun
Prof. Dr. med. Markus A. Rothschild, Institute of Legal Medicine, Cologne
Dr. med. Nelson Olim, Senior Surgeon, ICRC, Geneva
Prof. Dr. med. Christian Jackowski, Director of the Institute of Legal Medicine, Bern
Dr. med. Thorsten Hauer, Army Hospital, Berlin
PD Dr. med. Christian Schyma, Institute of Legal Medicine, Bern
Dr. sc. forens. Fabiano Riva, Institute of Legal Medicine, Bern
Matthieu Glardon, Institute of Legal Medicine, Bern
PROGRAM OVERVIEW AND CONTENT

First day

→ Arrival, early bird reception and refreshment

Second and third day

Scientific session

→ Weapons and ammunition
→ Ballistics (Interior-, Exterior-, Terminal-)
→ Wound ballistics – Basics and legal medicine
→ Wound ballistics, surgery and war surgery
→ Wound ballistics and international law
→ Wound ballistics – Forensic imaging and forensic applications

Practical session in the shooting range

→ Shooting in ballistic soap – Military vs. hunting bullets (handguns and rifles)
→ Shooting trough polyurethane bones casted into ballistic gelatine
→ Wound channel of ricocheted bullets (handguns and rifles)
→ Influence of the twist rate on the wound channel
→ Simulation of wounds caused by shooting at long distance
→ Velocity vs penetration in gelatine
→ Simulation of injuries caused by fragments
→ Simulation of injuries caused by alarm pistols
→ Contact vs distance shot in skull model
→ Forensic applications and more...
PLACE, ACCOMMODATION AND REGISTRATION

Place and Transportation: Hitzkirch is located about 60 km from Zurich airport and 40 km from the center of Zurich. It is possible to reach Hitzkirch by car or by train directly from Zurich airport. More information about the railway can be found on www.sbb.ch/en/

Accommodation: The Workshop will take place at the Congress Center Hitzkirch (part of the Hitzkirch College for Police Officers), Switzerland. The center has its own 3-star hotel and restaurant: www.seminarhitzkirch.ch/

Workshop fee: The fee is CHF 1500 (approx. EUR 1400, US$ 1500 depending on the exchange rate). This includes board, lodging for 2 nights and all laboratory demonstrations.

Registration: The Workshop will take place between the 29th of November and the 1st of December 2017. To participate, please send the fulfilled registration form (by email) to Mr. F. Riva (fabiano.riva@irm.unibe.ch) before the end of October 2017.

For questions or additional information, please contact Mr. Fabiano Riva (fabiano.riva@irm.unibe.ch) / +41 31 631 84 11.