



**100. Jahreskongress SGR**  
**100<sup>ème</sup> Congrès Annuel de la SSR**

**Offizieller Weiter- und Fortbildungskurs der SGR**  
**Cours officiel de formation postgraduée**  
**et continue de la SSR**

**Celebrating 100 Years**  
**of SGR-SSR**

Time	Room A	Room B	Room D	Time	Business- & Medienraum 1
09:45	Opening of Swiss Congress of Radiology 2013				
10:00-11:50	Joint Plenary Session (SGR-SSR, SGNM-SSMIN, SVMTRA-ASTRM): Celebrating 100 Years SGR-SSR: Creating the Future for Radiology and Nuclear Medicine Page 27				
12:00-13:00	Lunch Symposium: Contrast Media: An Update on Safety and Health Economics organized by Bayer (Schweiz) AG Page 29				
13:00-14:00	Break / Posters / Technical Exhibition				
14:00-15:15	Scientific Session: Joint SGS-SSR & SGNM-SSMIN Hybrid Imaging Page 29	Scientific Session: Cardiovascular Imaging and Interventions Page 31	Scientific Session: Breast Imaging and Contrast Agents Page 34	14:00-15:00	Hands-on Workshop: US Multiwave and UltraFast Imaging: Technological Innovations and Breast Axillary Block organized by Nova-Logic SA Page 37
15:15-15:45	Break / Posters / Technical Exhibition				
15:45-17:15	Scientific Session: Abdomen I – Gastro-Intestinal, Urinary and Pelvic Imaging Page 38	Scientific Session: Musculoskeletal Imaging I – Appendicular Skeleton Page 40		16:15-17:15	Hands-on Workshop: Farewell Data Discontinuity: How to Equip Your Radiology for the Digital Future organized by amétiq AG Page 43
17:30-18:15	Poster Walking Tour with Cocktails				

Uhrzeit / Heure

Prog.-Nr. / No du progr.

SGR  
SSR

**09:45–  
10:00**      **Opening of Swiss Congress of Radiology 2013**

**09:45**      **Welcome Address**

B. Allgayer, Luzern  
K. Strobel, Luzern  
M. Hess, Luzern

**09:50**      **Welcome Address from the Luzerner Stadtrat**

U. Stämmer, Luzern

**10:00–  
11:50**      **Joint Plenary Session  
(SGR–SSR, SGNM–SSMN, SVMTRA–ASTRM)**

**Celebrating 100 Years SGR–SSR:  
Creating the Future for Radiology and Nuclear Medicine**

Moderators: S. Duewell, Frauenfeld; G.K. von Schulthess, Zürich

**10:00**      **Chairman's Introduction**

**PS101**      *S. Duewell, Frauenfeld*

**10:10**      **Impact of Imaging on Processes and Efficacy of a Hospital**

**PS102**      *M. Kohler, Frauenfeld*

**Medical Imaging in the Light of Increasing Demand and Turf Battle:  
How Should We Behave?**

**10:30**      **The Radiologist's View**

**PS103**      *G. Krestin, Rotterdam/NL*

**10:50**      **The Nuclear Medicine Physician's View**

**PS104**      *M. Schwaiger, München/DE*

**11:10**      **The Radiology Technician's View**

**PS105**      *Y. Jaermann, Vevey*

**11:30**      **How can we Enhance the Visibility for Referring Physicians  
and Patients?**

**PS106**

*E. Merkle, Basel*



# Bayer Lunch Symposium

## **Contrast media: an update on safety and health economics**

**Date:** Thursday, 30 May 2013, 12:00–13:00

**Topics:** **ESUR contrast media guidelines** – an update  
(Prof. H.C. Thöny, Bern; President-elect ESUR)

**The VALUE study** – liver specific MRI upfront  
(PD Dr. C.J. Zech, Basel)

12:00–  
13:00**Lunch Symposium**

organized by Bayer (Schweiz) AG



Bayer HealthCare

LS101

**Contrast Media: An Update on Safety and Health Economics**

Moderator: D. Weishaupt, Zürich

**ESUR Contrast Media Guidelines – An Update***H. Thoeny, Bern***The VALUE Study – Liver Specific MRI Upfront***Ch. Zech, Basel*13:00–  
14:00

Break / Posters / Technical Exhibition

**Scientific Session  
Joint SGR–SSR & SGNM–SSMN**14:00–  
15:15**Hybrid Imaging**

Moderators: J. Prior, Lausanne; J.-P. Vallee, Genève

SS101

**Combination of MRI and dynamic FET PET analyses for initial glioma grading***V. Dunet, P. Maeder, M. Nicod Lalonde, R. A. Meuli, J. Prior; Lausanne*

SS102

**Comparison of contrast-enhanced PET/MRI and contrast-enhanced PET/CT in patients with head and neck cancer***F. Kuhn, M. Hüllner, S. Kollias, G. K. von Schulthess, P. Veit-Haibach; Zürich*

SS103

**CT-perfusion in lung cancer: Correlation of perfusion parameters and PET/CT parameters – initial results***M. Hüllner<sup>1</sup>, T. Collen<sup>2</sup>, K. Strobel<sup>2</sup>, P. Gut<sup>2</sup>, P. Veit-Haibach<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Luzern*

SGR  
SSR

- SS104**      **Comparison of PET/CT and PET/MRI for abdomino-pelvic cancer lesions: First clinical experience and basic MR sequence selection**  
*D. Schmidt, P. Appenzeller, M. Hüllner, F. Kuhn, D. T. Schmid, A. Boss, G. K. von Schulthess, P. Veit-Haibach; Zürich*
- SS105**      **The value of fused MR/FDG PET in the assessment of patients with recurrent gynecological malignancies prior to pelvic exenteration**  
*I. Burger<sup>1</sup>, H. A. Vargas<sup>2</sup>, O. F. Donati<sup>1</sup>, V. Andikyan<sup>2</sup>, H. Schöder<sup>2</sup>, E. Sala<sup>2</sup>, H. Hricak<sup>2</sup>; <sup>1</sup>Zürich, <sup>2</sup>New York/US*
- SS106**      **Diagnostic accuracy of PET/MRI in gynecological malignancies: Initial results**  
*P. Veit-Haibach<sup>1</sup>, N. Hauser<sup>2</sup>, B. Chilla<sup>2</sup>, G. K. von Schulthess<sup>1</sup>, J. M. Fröhlich<sup>1</sup>, R. A. Kubik-Huch<sup>2</sup>; <sup>1</sup>Zürich, <sup>2</sup>Baden*
- SS107**      **Selective internal radiotherapy (SIRT) of hepatic tumors: A 2-year experience**  
*V. Obmann, J. Kettenbach, C. Boy, H. Hoppe, J. Heverhagen, V. Banz-Wüthrich, M. Kellermann, R. López-Benitez; Bern*
- SS108**      **Feasibility and preliminary results of SPECT/CT arthrography of the wrist in comparison with MR arthrography in patients with suspicion for ulnocarpal impaction**  
*I. Steurer-Dober, U. Hug, M. Hüllner, M.D.S. Pérez Lago, E. Bodmer, U. von Wartburg, P. Veit-Haibach, K. Tornquist, K. Strobel; Luzern*
- SS109**      **Diagnostic accuracy of SPECT/CT, MRI, CT, bone scan and plain radiographs in patients with unspecific wrist pain**  
*L. Werner<sup>1</sup>, M. Hüllner<sup>2</sup>, A. Bürkert<sup>1</sup>, M. Pérez-Lago<sup>1</sup>, K. Strobel<sup>1</sup>, U. Hug<sup>1</sup>, P. Veit-Haibach<sup>2</sup>; <sup>1</sup>Luzern, <sup>2</sup>Zürich*

## Scientific Session

SGR  
SSR14:00–  
15:15**Cardiovascular Imaging and Interventions**

Moderators: S. Leschka, St. Gallen; Ch. Binkert, Winterthur

- SS110**     **New approach for triple rule-out CT angiography (TRO)**  
*P. Zukowski, G. Bodendörfer, A. Jaff, P.-A. Moret, C. Theodoloz, H. Bänziger; Riaz*
- SS111**     **Type A aortic dissection: CT signs to predict the involvement of the aortic valve**  
*A. Platon, D. Didier, C. Becker, P.-A. Poletti; Genève*
- SS112**     **ECG-gated aortic CT using high-pitch and iterative reconstruction: Dose and image quality preliminary results**  
*A.-L. Hachulla, J.-P. Vallee, X. Montet, D. Didier; Genève*
- SS113**     **Paravalvular regurgitation after transapical aortic valve implantation: Prognostic power of calcification with respect to volume and location**  
*T. Dellas Buser, D. Inderbitzin, N. Kawel-Boehm, F. Rueter, O. Reuthebuch, B. Kaufmann, J. Bremerich; Basel*
- SS114**     **Stenosis quantification in coronary CT angiography: Impact of an integrated circuit detector with iterative reconstruction**  
*F. Morsbach<sup>1</sup>, L. Desbiolles<sup>2</sup>, A. Plass<sup>1</sup>, S. Leschka<sup>2</sup>, B. Schmidt<sup>3</sup>, V. Falk<sup>1</sup>, H. Alkadhi<sup>1</sup>, P. Stolzmann<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>St. Gallen, <sup>3</sup>Forchheim/DE*
- SS115**     **Quantitative BOLD response of the left ventricular myocardium to hyperoxic respiratory challenge at 1.5T and 3.0T cardiac magnetic resonance imaging**  
*S. Winklhofer, S. Pazahr, R. Manka, A. Boss, H. Alkadhi, P. Stolzmann; Zürich*
- SS116**     **Comparison of high resolution non-contrast-enhanced MR-Angiography of pedal vessels with digital subtraction angiography and contrast-enhanced MR-Angiography**  
*T. Schubert<sup>1</sup>, M. Klarhöfer<sup>1</sup>, T. Haas<sup>1</sup>, A. L. Jacob<sup>2</sup>, S. Kos<sup>3</sup>; <sup>1</sup>Basel, <sup>2</sup>Zürich, <sup>3</sup>Luzern*

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- SS117**      **Assisted recanalization of long and calcified chronic total occlusions using a high frequency vibrational device: Preliminary experience**  
*F. Glauser<sup>1</sup>, A. Chouiter<sup>2</sup>, L. Perrin<sup>1</sup>, A.-M. Jouannic<sup>1</sup>, F. Doenz<sup>1</sup>, S. D. Qanadli<sup>1</sup>; <sup>1</sup>Lausanne, <sup>2</sup>Neuchâtel*
- SS118**      **Radiation dose to the operator during fluoroscopically-guided spine procedures**  
*E. Pravata<sup>1</sup>, A. Cianfoni<sup>1</sup>, H. E. Hawk<sup>2</sup>, M. U. Manzoor<sup>2</sup>, Z. Rumboldt<sup>2</sup>, W. Huda<sup>2</sup>; <sup>1</sup>Lugano, <sup>2</sup>Charleston SC/US*

SGR  
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## Scientific Session

14:00–  
15:15**Breast Imaging and Contrast Agents**

Moderators: H. Thoeny, Bern; O. F. Donati, Zürich

- SS119**     **Phase contrast mammography: A novel diagnostic tool for breast imaging**  
*Z. Wang<sup>1</sup>, N. Hauser<sup>2</sup>, R. A. Kubik-Huch<sup>2</sup>, G. Singer<sup>2</sup>, E. Roessl<sup>3</sup>, U. Stevendaal<sup>3</sup>, N. Wieberneit<sup>3</sup>, I. Schulze-Wenck<sup>3</sup>, M. Campanoni<sup>4</sup>; <sup>1</sup>Villigen, <sup>2</sup>Baden, <sup>3</sup>Hamburg/DE, <sup>4</sup>Zürich*
- SS120**     **Novel ultrasound tomography for investigation of breast lesions with microcalcifications**  
*V. Marmarelis<sup>1</sup>, M. Sofras<sup>2</sup>, S. Hadjiagapis<sup>2</sup>, M. Orme<sup>3</sup>, D. Koulocheri<sup>4</sup>, P. Liakou<sup>4</sup>, G. Zografos<sup>4</sup>, S. Dellas<sup>5</sup>, S. Forte<sup>5</sup>; <sup>1</sup>Los Angeles/US, <sup>2</sup>Voula/GR, <sup>3</sup>Palos Verdes Peninsula/US, <sup>4</sup>Athens/GR, <sup>5</sup>Basel*
- SS121**     **Role of preoperative MR imaging in the evaluation of patients with persistent or recurrent gynecologic malignancies prior to pelvic exenteration**  
*O. F. Donati<sup>1</sup>, Y. Lakhman<sup>2</sup>, E. Sala<sup>2</sup>, I. Burger<sup>1</sup>, H. A. Vargas<sup>2</sup>, D. Goldman<sup>2</sup>, V. Andikyan<sup>2</sup>, K. Park<sup>2</sup>, D. Chi<sup>2</sup>, H. Hricak<sup>2</sup>; <sup>1</sup>Zürich, <sup>2</sup>New York/US*
- SS122**     **Breast MRI: Spatial analysis of diffusion tensor data reveals exponential dependence of diffusion parameters**  
*J. Wiederer, S. Pazahr, A. Boss; Zürich*
- SS123**     **Histopathological B3 lesions following minimally invasive vacuum-assisted breast biopsy (VABB): MIBB Database Analysis**  
*C. Saladin<sup>1</sup>, H. Haueisen<sup>2</sup>, G. Kampmann<sup>3</sup>, C. Öhlschlegel<sup>4</sup>, B. Seifert<sup>5</sup>, L. Rageth<sup>5</sup>, C. Rageth<sup>5</sup>, S. Stadlmann<sup>1</sup>, R. A. Kubik-Huch<sup>1</sup>; <sup>1</sup>Baden, <sup>2</sup>Aarau, <sup>3</sup>Sorengo-Lugano, <sup>4</sup>St.Gallen, <sup>5</sup>Zürich*
- SS124**     **Pharmacovigilance – the rising star or a legal burden?**  
*J. Froehlich, C. Cobbaert; Zürich*

- SS125**      **Effects of pathological alteration of blood-protein concentration on r1- and r2-relaxivity of MRI contrast-agents**  
*S. Götschi, J. M. Fröhlich, N. Chuck, G. Andreisek, D. Nanz, A. Boss; Zürich*
- SS126**      **Effect of protein binding substances on T1 times and the partition coefficient in contrast-enhanced cardiac magnetic resonance imaging**  
*N. Kawel-Boehm<sup>1</sup>, F. Santini<sup>1</sup>, T. Haas<sup>1</sup>, J. Froehlich<sup>2</sup>, J. Bremerich<sup>1</sup>;  
<sup>1</sup>Basel, <sup>2</sup>Zürich*
- SS127**      **Quantification of inhomogeneous iron oxide uptake over a 3D volume in a small animal arthritis model using dUTE MRI and customized segmentation software**  
*L. A. Crowe<sup>1</sup>, A. Gramoun<sup>1</sup>, W. Wirth<sup>2</sup>, K. Grosdemange<sup>1</sup>, A. Petri-Fink<sup>3</sup>,  
F. Eckstein<sup>2</sup>, H. Hofmann<sup>3</sup>, J.-P. Vallee<sup>1</sup>; <sup>1</sup>Genève, <sup>2</sup>Salzburg/AT, <sup>3</sup>Lausanne*

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14:00–  
15:00

## Hands-on Workshop

organized by Nova-Logic SA



HW101

## US Multiwave and UltraFast Imaging: Technological Innovations and Breast Axillary Block

Moderator: J.-C. Bernard, St. L gier

**Multiwave and UltraFast Imaging:  
UF Doppler and Real Time Elastography**  
*J. Bercoff, Aix-en-Provence/FR*

**Breast Examination: Axillary Block**  
*D. Fournier, Sion*

15:15–  
15:45

Break / Posters / Technical Exhibition

## Scientific Session

15:45–  
17:15**Abdomen I – Gastro-Intestinal, Urinary and Pelvic Imaging**

Moderators: C. Stoupis, Männedorf; A. Platon, Genève

- SS128**     **Accuracy of multidetector-row CT for restaging after neoadjuvant treatment in patients with esophageal cancer**  
*A. Konieczny, P. Meyer, A. Schnider, P. Komminoth, M. Schmid, N. Lombriser, D. Weishaupt; Zürich*
- SS129**     **Factors that may affect the density of intra-corporeal cocaine containers at low-dose CT**  
*A. Platon, E. Lock, C. Becker, P.-A. Poletti; Genève*
- SS130**     **Crohn's disease activity: Correlation of inflammatory mediators with overall small-bowel motility**  
*S. Bickelhaupt<sup>1</sup>, S. Pazahr<sup>1</sup>, J. M. Froehlich<sup>1</sup>, R. Cattin<sup>2</sup>, H. Bouquet<sup>3</sup>, G. Rogler<sup>1</sup>, P. Frei<sup>1</sup>, A. Boss<sup>1</sup>, M. A. Patak<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Biel, <sup>3</sup>Bern*
- SS131**     **Identification of bowel fibrosis in patients with Crohn's disease using magnetization transfer MRI**  
*S. Pazahr, I. Blume, P. Frei, N. Chuck, D. Nanz, G. Rogler, M. A. Patak, A. Boss; Zürich*
- SS132**     **Urinary stone detection and characterization with dual energy CT urography after furosemide intravenously injection: Preliminary results**  
*C. Hansen, D. Botsikas, C. Becker, X. Montet; Genève*
- SS133**     **Model based iterative reconstruction-low dose abdominal CT for detection of renal stones: Initial experience**  
*S. Stefanelli, D. Botsikas, S. Boudabbous, C. Becker, X. Montet; Genève*
- SS134**     **Metal artifact reduction in hip prosthesis with iterative reconstructions**  
*F. Morsbach<sup>1</sup>, S. Bickelhaupt<sup>1</sup>, G. Wanner<sup>1</sup>, A. Krauss<sup>2</sup>, B. Schmidt<sup>2</sup>, H. Alkadhi<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Forchheim/DE*

- SS135**      **Multi-b-values diffusion sequence acquired in PET-MRI 3T scanner: Comparison of the apparent diffusion coefficient in the prostate cancer detection**  
*T. de Perrot*, M. Pusztaszeri, C. Iselin, J.-P. Vallee; Genève
- SS136**      **Multiparametric prostate MRI with T2-weighted, diffusion-weighted and dynamic contrast-enhanced sequences: Are all pulse sequences necessary for the detection of locally recurrent prostate cancer after radiotherapy?**  
*O. F. Donati*<sup>1</sup>, *S.-I. Jung*<sup>2</sup>, *H. A. Vargas*<sup>3</sup>, *D. Gultekin*<sup>3</sup>, *J. Zheng*<sup>3</sup>, *C. Moskowitz*<sup>3</sup>, *H. Hricak*<sup>3</sup>, *M. Zelefsky*<sup>3</sup>, *O. Akin*<sup>3</sup>; <sup>1</sup>Zürich, <sup>2</sup>Seoul/KR, <sup>3</sup>New York/US
- SS137**      **Defining the diffusion restriction in MRI caused by prostate cancer cells: a quantitative in-vitro study**  
*N. Chuck*, *D. Eberli*, *F. Azzabi Zouraq*, *A. Boss*; Zürich
- SS138**      **Detection of significant disease using diffusion weighted MRI in the prostate**  
*L. Bains*, *J. Froehlich*, *M. Triantafyllou*, *G. Petralia*, *D. Chong*, *H. C. Thoeny*; Bern

## Scientific Session

15:45–  
17:15**Musculoskeletal Imaging I – Appendicular Skeleton**

Moderators: G. Andreisek, Zürich; F. Becce, Lausanne

- SS139**    **Femoral and tibial torsion measurements in children and adolescents using 3D models based on low-dose biplanar radiographs: Comparison to low-dose computed tomography**  
*A. Rosskopf, R. Sutter, C. W. A. Pfirrmann, L. Ramseier, F. M. Buck; Zürich*
- SS140**    **A new way to measure lower limb length and alignment using 3D models based on biplanar linear radiography – A comparison with measurements on supine CT scans and upright full-length radiographs**  
*R. Guggenberger, C. W. A. Pfirrmann, P. Koch, F. M. Buck; Zürich*
- SS141**    **Total knee arthroplasty MR imaging featuring slice-encoding metal artifact correction: Reduction of artifacts for STIR and intermediate-weighted sequences**  
*R. Sutter<sup>1</sup>, R. Hodek-Würz<sup>2</sup>, S. F. Fucentese<sup>1</sup>, C. W. A. Pfirrmann<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Münsterlingen*
- SS142**    **Correlation of bone bruise pattern of the knee joint with trauma mechanism and soft-tissue knee injuries**  
*N. Berger, G. Andreisek, A. Karer, B. Seifert, E. J. Ulbrich; Zürich*
- SS143**    **Distal tibiofibular syndesmosis: MR anatomy in asymptomatic volunteers**  
*M. Maier<sup>1</sup>, B. Mengiardi<sup>2</sup>, C. W. A. Pfirrmann<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Basel*
- SS144**    **Dixon-based MRI for assessment of muscle-fat content in-vitro and in patients with achillodynia in comparison to healthy volunteers**  
*F. M. Buck, M. A. Fischer, C. W. A. Pfirrmann, N. N. Espinosa, D. Raptis; Zürich*
- SS145**    **MR findings at the calcaneal attachment of the plantar fascia in asymptomatic volunteers**  
*C. Ehrmann<sup>1</sup>, M. Maier<sup>1</sup>, B. Mengiardi<sup>2</sup>, C. W. A. Pfirrmann<sup>1</sup>, R. Sutter<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Basel*



- SS146**      **MRI characterization of cartilage of the ankle joint after autologous matrix induced chondrogenesis (AMIC) using dGEMRIC, quantitative T1 and T2 relaxation time measurement and quantitative DWI**  
*M. Kretzschmar, O. Bieri, M. Wiewiorski, V. Valderrabano, U. Studler; Basel*
- SS147**      **Human hand radiography using X-ray differential phase and dark-field contrast imaging**  
*T. Thuerling<sup>1</sup>, R. Guggenberger<sup>2</sup>, H. Alkadhi<sup>2</sup>, M. Vich<sup>2</sup>, Z. Wang<sup>1</sup>, C. David<sup>1</sup>, M. Stambanoni<sup>2</sup>; <sup>1</sup>Villigen, <sup>2</sup>Zürich*
- SS148**      **3T direct MR arthrography of the wrist: Value of finger trap distraction to assess intrinsic ligament and triangular fibrocartilage complex tears**  
*M. Cerny, R. Marlois, N. Theumann, C. Bollmann, L. Wehrli, D. Richarme, R. Meuli, F. Becce; Lausanne*
- SS149**      **MR variants of the ulnar collateral ligament and pulley system of the thumb in asymptomatic volunteers**  
*A. Hirschmann, R. Sutter, A. Schweizer, C. W. A. Pfirrmann; Zürich*



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16:15–  
17:15

## Hands-on Workshop

organized by amétiq AG



HW102

## Farewell Data Discontinuity: How to Equip Your Radiology for the Digital Future

Moderator: L. Ackermann, Pfäffikon SZ

**SiMedRIS as a Continuous and Complete Practice Information System**  
*P. Ruser, Pfäffikon SZ*

17:30–  
18:15

## Poster Walking Tour with Cocktails

Moderator: S. Schmidt, Lausanne

PW101

# Kongressprogramm Freitag / Programmes du congrès Vendredi

SGR  
SSR

Time	Room A	Room B	Room D	Time	Business- & Medienraum 1
08:15–09:45	<b>Scientific Session:</b> Abdomen II – Technical Developments and Hepato–Biliary Imaging Page 45	<b>Scientific Session:</b> Musculoskeletal Imaging II – Spine & Body Page 47	<b>Scientific Session:</b> Part A: Neuroradiology, Head and Neck Page 49 Part B: Chest and Lung Page 50	08:15–09:15	<b>Hands-on Workshop:</b> Prostate MR Imaging and MR Guided Prostate Biopsy (DynaTRIM–Method) organized by SMD MedicalTrade GmbH Page 51
Break / Posters / Technical Exhibition					
09:45–10:15					
10:15–11:45	<b>Plenary Session:</b> Emergency Radiology – My Most Prominent Pitfalls (Interactive Session) Page 52	<b>Scientific Session:</b> Pediatric Radiology Page 53			
12:00–13:00	<b>Lunch Symposium:</b> Less Is More: Low-Dose CT Angiography organized by GE Healthcare AG Page 57	<b>Hands-on Workshop:</b> How to Optimize the SFA Treatment for Best Outcomes organized by Abbott AG Page 55			
Break / Posters / Technical Exhibition					
13:00–13:30					
13:30–14:35	<b>Plenary Session:</b> Dignitaries and Awards Page 57				
14:35–15:00	<b>Plenary Session:</b> H.R. Schinz Lecture Page 58				
Break / Posters / Technical Exhibition					
15:00–15:30					
15:30–17:00	<b>Plenary Session:</b> The Conventional X-Ray: The Back Bone of Clinical Radiology Page 59				
17:15–18:30	<b>Mitglieder–Jahresversammlung SGR</b> <b>Assemblée annuelle SSR</b> Page 59				
19:30	Society Evening Page 23				

## Scientific Session

### 08:15– 09:45 Abdomen II – Technical Developments and Hepato–Biliary Imaging

Moderators: S. Terraz, Genève; S. Schindera, Basel

- SS201** Lowering the dose of thoraco–abdominal CT: The role of model–based iterative reconstruction (MBIR) algorithms  
*S. Toso, A. Neroladaki, D. Botsikas, A.–L. Hachulla, C. Becker, X. Montet; Genève*
- SS202** Radiation dose and image quality in thoraco–abdominal CT using high–pitch acquisition and iterative reconstruction  
*J. Gariani, D. Bostikas, A.–L. Hachulla, C. D. Becker, X. Montet; Genève*
- SS203** Iterative reconstruction algorithm for abdominal computed tomography: Can the radiation dose be decreased while preserving the low–contrast detectability?  
*S. Schindera<sup>1</sup>, D. Odedra<sup>2</sup>, S. A. Raza<sup>2</sup>, T. K. Kim<sup>2</sup>, H.–J. Jang<sup>2</sup>, Z. Szucs–Farkas<sup>3</sup>, P. Rogalla<sup>2</sup>; <sup>1</sup>Basel, <sup>2</sup>Toronto/CA, <sup>3</sup>Biel*
- SS204** Combining automated attenuation–based tube voltage selection and iterative reconstruction: A liver phantom study  
*D. B. Husarik<sup>1</sup>, S. Schindera<sup>2</sup>, F. Morsbach<sup>1</sup>, N. Chuck<sup>1</sup>, B. Seifert<sup>1</sup>, Z. Szucs–Farkas<sup>3</sup>, H. Alkadhi<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Basel, <sup>3</sup>Biel*
- SS205** Dynamic MDCT of the liver with iodixanol 270, 80kVp and iterative reconstruction: A useful alternative for detection of hypervascular and hypovascular focal lesions?  
*D. Botsikas, I. Barnaure, S. Terraz, C. Becker, X. Montet; Genève*
- SS206** Integrated circuit detector technology in abdominal computed tomography: Value in obese patients  
*F. Morsbach<sup>1</sup>, S. Bickelhaupt<sup>1</sup>, S. Rätzer<sup>1</sup>, B. Schmidt<sup>2</sup>, H. Alkadhi<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Forchheim/DE*

- SS207** Impact of body habitus on Dual Source CT iodine measurements and assessment of iodine concentration in abdominal organs during multi-phasic scans  
*M. Benz, M. Pansini, M. Kekelidze, G. Bongartz, S. Schindera; Basel*
- SS208** Multi-parametric assessment of liver perfusion by MR-DWI: Correlation with phase-contrast portal venous flow measurements  
*F. Regini<sup>1</sup>, S. Colagrande<sup>1</sup>, L. N. Mazzoni<sup>1</sup>, S. Busoni<sup>1</sup>, P. Q. R. Santini<sup>2</sup>, R. Wyttenbach<sup>2</sup>; <sup>1</sup>Firenze/IT, <sup>2</sup>Bellinzona*
- SS209** CT perfusion for evaluation of early treatment response of liver metastases after 90Y radioembolization  
*C. S. Reiner, F. Morsbach, B.-R. Sah, N. Schäfer, T. Pfammatter, H. Alkadhi; Zürich*
- SS210** A scoring system for distinguishing infected from non-infected abdominal fluid collections after surgery  
*M. Fischer, R. Gnann, S. Breitenstein, C. A. Karlo, R. Zbinden, B. Seifert, H. Alkadhi; Zürich*
- SS211** Preoperative planning of DIEP flaps: Gadofosveset trisodium-enhanced MRA compared with standard CTA and intraoperative findings as a reference  
*R. E. Bolt, M. Haug, G. Bongartz; Basel*

## Scientific Session

SGR  
SSR08:15–  
09:45**Musculoskeletal Imaging II – Spine & Body**

Moderators: U. Studler, Basel; R. Sutter, Zürich

- SS212** Identification of ferromagnetic ballistic projectiles with dual-energy CT: Implications for MRI safety  
*S. Winklhofer, P. Stolzmann, F. Morsbach, W. Schweitzer, A. Meier, M. Thali, H. Alkadhi, T. D. Ruder; Zürich*
- SS213** Reduction of metal artifacts on CT using model-based iterative reconstruction (MBIR)  
*S. Boudabbous, D. Arditi, E. Paulin, A. Syrogiannopoulou, C. Becker, X. Montet; Genève*
- SS214** Multidetector computed tomography of the cervical spine: Optimisation of iterative reconstruction strength levels  
*P. Omoumi<sup>1</sup>, F. R. Verdun<sup>2</sup>, Y. Ben Salah<sup>1</sup>, B. Vande Berg<sup>1</sup>, F. Lecouvet<sup>1</sup>, R. A. Meuli<sup>2</sup>, F. Becce<sup>2</sup>; <sup>1</sup>Bruxelles/BE, <sup>2</sup>Lausanne*
- SS215** Computed tomography of the cervical spine: Comparison of image quality between a standard-dose and a low-dose protocol using filtered back-projection and iterative reconstruction  
*F. Becce<sup>1</sup>, Y. Ben Salah<sup>2</sup>, F. R. Verdun<sup>1</sup>, B. Vande Berg<sup>2</sup>, F. Lecouvet<sup>2</sup>, R. A. Meuli<sup>1</sup>, P. Omoumi<sup>2</sup>; <sup>1</sup>Lausanne, <sup>2</sup>Bruxelles/BE*
- SS216** Assessing scoliosis and lordosis on lumbar spine CT: Comparison between CT reformats and standing radiographs in adult patients  
*B. Rizk<sup>1</sup>, P. Omoumi<sup>2</sup>, F. Becce<sup>3</sup>, F. Lecouvet<sup>2</sup>, B. Vande Berg<sup>2</sup>; <sup>1</sup>Poitiers/FR, <sup>2</sup>Bruxelles/BE, <sup>3</sup>Lausanne*
- SS217** A reliable and simple measurement to identify an osseous-bridging transitional vertebra on a single slice mid-sagittal MR-image or lateral X-ray  
*N. A. Farshad-Amacker, M. Farshad, A. Aichmair, A. P. Hughes, R. J. Herzo; New York/US*

SGR  
SSR

- SS218** Does measurement of the femoral antetorsion angle in routine MR arthrography of the hip have an impact on therapeutic decision-making?  
*I. Steurer-Dober, M. Hüllner, M. Beck, B. Allgayer; Luzern*
- SS219** Instability of the hip joint – Finding at MR arthrography  
*A. Suter, T. Dietrich, M. Maier, C. Dora, C.W.A. Pfirrmann; Zürich*
- SS220** Maximising reliability of quantitative muscle MRI slice prescription  
*A. Fischmann<sup>1</sup>, J. M. Morrow<sup>2</sup>, C. D. J. Sinclair<sup>2</sup>, T. A. Yousry<sup>2</sup>, J. S. Thornton<sup>2</sup>; <sup>1</sup>Basel, <sup>2</sup>London/UK*
- SS221** Whole-body MRI in sarcoidosis: Prevalence of musculoskeletal disease manifestations and correlation with clinical data  
*V. Bratu<sup>1</sup>, K. Hostettler<sup>2</sup>, A. Fischmann<sup>2</sup>, M. Tamm<sup>2</sup>, U. Studler<sup>2</sup>; <sup>1</sup>Aarau, <sup>2</sup>Basel*
- SS222** Radiographic abnormalities compared to treatment outcomes after a single subacromial injection of corticosteroid and anesthetic in patients with shoulder pain  
*T. Dietrich, C. K. Peterson, F. Brunner, J. Hodler, C. W. A. Pfirrmann; Zürich*



## Scientific Session

SGR  
SSR08:15–  
09:45**Part A: Neuroradiology, Head and Neck**

Moderator: S. Wetzel, Zürich

- SS223**      **Neural correlates of the vestibular system:  
Multisensory convergence assessed with 7T functional MRI**  
*J. Forget, R. Martuzzi, O. Blanke, R. Meuli; Lausanne*
- SS224**      **Radiologic patterns of necrosis after proton beam irradiation  
of skull base tumors**  
*A. M. Korchi, S. Haller, K.-O. Lövblad, D. C. Weber; Genève*
- SS225**      **Two-dimensional T2 and 3D T1 high isotropic resolution black blood  
MRI at 3.0 tesla for the analysis of the intracranial arterial wall**  
*M. I. Vargas, V. Cuvinciuc, F. Perren, V. Mendes Pereira, R. Sztajzel,  
K.-O. Lövblad; Genève*
- SS226**      **3D fat saturated T1 SPACE sequence for the diagnosis of cervical  
arteries dissection**  
*V. Cuvinciuc, M. Viallon, I. Momjian-Mayor, R. Sztajzel, K.-O. Lövblad,  
M. I. Vargas; Genève*
- SS227**      **Differences of plaque phenotypes in the carotid and femoral arteries:  
An in vivo study using MRI plaque imaging**  
*A. Helck<sup>1</sup>, N. Bianda<sup>2</sup>, G. Canton<sup>3</sup>, C. Yuan<sup>3</sup>, M. Reiser<sup>1</sup>, A. Gallino<sup>2</sup>,  
T. Saam<sup>1</sup>, R. Wyttenbach<sup>2</sup>; <sup>1</sup>München/DE, <sup>2</sup>Bellinzona, <sup>3</sup>Seattle/US*
- SS228**      **Detection of nodal recurrence after radiotherapy for head  
and neck squamous cell carcinoma: MRI with diffusion weighted  
imaging versus histopathology**  
*A. Ailianou, A. Varoquaux, S. Patsoura, P. Dulguerov, Z. Vourexakis,  
R. Kohler, M. Becker; Genève*

08:15–  
09:45**Part B: Chest and Lung**

Moderator: X. Montet, Genève

- SS229**      **Clinical evaluation of an automatic tube voltage selection in chest CT angiography**  
*T. Niemann<sup>1</sup>, S. Henry<sup>2</sup>, J.-B. Faivre<sup>2</sup>, K. Yasunaga<sup>2</sup>, S. Bendaoud<sup>2</sup>, J. Remy<sup>2</sup>, M. Rémy-Jardin<sup>2</sup>; <sup>1</sup>Basel, <sup>2</sup>Lille/FR*
- SS230**      **CT-based clinical staging for malignant pleural mesothelioma is unreliable for the assessment of local tumor invasion and lymph node involvement**  
*T. D. L. Nguyen-Kim, I. Schmitt-Opitz, P. Kestenholz, R. Hunziker, F. Martina, W. Weder, T. Frauenfelder; Zürich*
- SS231**      **Non-contrast-enhanced preoperative assessment of lung perfusion in patients with non-small-cell lung cancer using fourier-decomposition magnetic resonance imaging**  
*G. Sommer<sup>1</sup>, G. Bauman<sup>2</sup>, M. Koenigkam-Santos<sup>2</sup>, C. Draenkow<sup>2</sup>, C.-P. Heussel<sup>2</sup>, H.-U. Kauczor<sup>2</sup>, H.-P. Schlemmer<sup>2</sup>, M. Puderbach<sup>2</sup>; <sup>1</sup>Basel, <sup>2</sup>Heidelberg/DE*
- SS232**      **Assessing lung transplantation ischemic-reperfusion injury by micro-computed-tomography and ultra-short echo-time MRI in a mouse model**  
*M. Wurnig, Y. Tsushima, W. Jungraithmayr, A. Boss; Zürich*
- SS233**      **Mediastinal tuberculous lymphadenopathy: Effect of HIV seropositivity**  
*S. V. Kashikar, A. A. Sachan, A. K. A. Bari; Wardha/IN*

08:15–  
09:15

## Hands-on Workshop

organized by SMD MedicalTrade GmbH



HW201

## Prostate MR Imaging and MR Guided Prostate Biopsy (DynaTRIM-Method)

Moderator: G. Wabel, Salenstein

**Latest Developments and Techniques in Diagnostic Prostate MR  
Imaging and MR Guided Prostate Biopsy**

*J. Futterer, Nijmegen/NL*

09:45–  
10:15

Break / Posters / Technical Exhibition

**Plenary Session**

**10:15–  
11:45**      **Emergency Radiology – My Most Prominent Pitfalls  
(Interactive Session)**

Moderators: S. Schmidt, Lausanne; G. Bongartz, Basel

10:15      **Neuro**  
**PS201**      *S. Binaghi, Lausanne*

10:40      **Chest**  
**PS202**      *P.-A. Poletti, Lausanne*

11:05      **Abdomen & Pelvis**  
**PS203**      *H. Alkadhi, Zürich*

11:30      **Panel discussion: What have we learned from our mistakes?**

## Scientific Session

SGR  
SSR10:15–  
11:45

## Pediatric Radiology

Moderators: E. Stranzinger, Bern; L. Merlini, Genève

SS234

**MDCT of the neck in children: Radiation exposure***I. M. O. Borzani, E. Ruggieri, S. Milano, V. Minotto, M. Campoleoni, P. R. Biondetti; Milan/IT*

SS235

**Grey matter alterations in children born preterm***J. Schneider, A. Datta, N. Bechtel, T. Waltz, C. Neuhaus, N. Oser; Basel*

SS236

**MRI assessment of inflammatory activity and mandibular growth following intra-articular TMJ steroid injection in children with JIA***N. Lochbühler, R. K. Saurenmann, L. Müller, C. J. Kellenberger; Zürich*

SS237

**Pediatric computed tomography of the chest: Scan assessment of a two-year cohort and estimated cancer risk associated with diagnostic irradiation***T. Niemann<sup>1</sup>, L. Colas<sup>2</sup>, J.-B. Faivre<sup>2</sup>, T. Santangelo<sup>2</sup>, H.-W. Roser<sup>1</sup>, J. Remy<sup>2</sup>, M. Rémy-Jardin<sup>2</sup>; <sup>1</sup>Basel, <sup>2</sup>Lille/FR*

SS238

**Is pediatric chest CT achievable at 70 kV?***T. Niemann<sup>1</sup>, T. Santangelo<sup>2</sup>, F. Molinari<sup>2</sup>, J.-B. Faivre<sup>2</sup>, J. Remy<sup>2</sup>, M. Rémy-Jardin<sup>2</sup>; <sup>1</sup>Basel, <sup>2</sup>Lille/FR*

SS239

**Neonatal perfusion imaging with arterial spin labeling***R. O'Gorman<sup>1</sup>, M. Makki<sup>1</sup>, W. Dai<sup>2</sup>, D. Alsop<sup>2</sup>, C. Hagmann<sup>1</sup>, B. Latal<sup>1</sup>, W. Knirsch<sup>1</sup>, C. J. Kellenberger<sup>1</sup>, I. Scheer<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Boston/US*

SS240

**Split renal function and urinary tract obstruction in children assessed by magnetic resonance urography in comparison with MAG3 scintigraphy***C. J. Kellenberger, I. Burger, M. Makki; Zürich*

SS241

**Early MRI in the management of scaphoid fractures in children***A. Kanavaki, A. Dhouib, L. Merlini, S. Hanquinet; Genève*

SGR  
SSR

- SS242**      **Fiber tracking of mega corpus callosum: A preliminary study**  
*L. Merlini, A. Dhouib, A. Kanavaki, S. Hanquinet; Genève*
- SS243**      **Perfusion abnormalities in neonatal hypoxic ischemic encephalopathy**  
*R. O’Gorman, C. Sabandal, V. Bernet, C. Hagmann, C. J. Kellenberger,  
I. Scheer; Zürich*
- SS244**      **Diagnostic accuracy of pelvic sonography in central precocious  
puberty – a meta-analysis**  
*E. Stranzinger, A. Spiessberger, R. Wolf; Bern*

10:45-  
11:45

## Hands-on Workshop

organized by Abbott AG



HW301

## How to Optimize the SFA Treatment for Best Outcomes

Moderator: M. Hoffmann, Luzern

### Unique Considerations of SFA Disease

*Speaker: M. Hoffmann, Luzern*

### Importance of Stent Design and Technical Aspects in the SFA

*J. Bauer, Beringen*

### Current Status of Clinical Trials Versus Optimal Outcomes

*M. Hoffmann, Luzern*

### Future treatment in the SFA

*J. Bauer, Beringen*

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## Gekürzte Fachinformation VISIPAQUE™

**Zusammensetzung** Wirkstoff: Iodixanol. Hilfsstoffe: Trometamol, Natriumcalciumedetat, Calciumchlorid, Natriumchlorid, Aqua ad iniectionem.

**Indikationen /Anwendungsmöglichkeiten** Erwachsene: Röntgenkontrastmittel für die Kardioangiographie, zerebrale Angiographie (konventionell und i. a. DSA), periphere Arteriographie (konventionell und i. a. DSA), Abdominalangiographie (i. a. DSA), Urographie, Venographie und zur Kontrastverstärkung bei Computertomographie (CT-Kopf, CT-Körper) und zur lumbalen, thorakalen und zervikalen Myelographie. Arthrographie, Hysterosalpingographie (HSG) und Untersuchungen des Gastrointestinaltraktes. Kinder: Kardioangiographie, intravenöse Anwendung zur Urographie, Kontrastverstärkung bei der Computertomographie (CT-Kopf, CT-Körper). Untersuchungen des Gastrointestinaltraktes (auch als Enema). **Dosierung/Anwendung** Die Dosierung kann je nach der Art der Untersuchung, dem Alter, Gewicht, dem Herzminutenvolumen und dem Allgemeinzustand des Patienten variieren. Das Präparat kann intraarteriell, intravenös, intrathekal und in Körperhöhlen appliziert werden. **Kontraindikationen** Schwerwiegende Überempfindlichkeitsreaktionen nach Gaben von VISIPAQUE™ oder dessen Bestandteile in der Anamnese, manifeste Thyreotoxikose. **Warnhinweise und Vorsichtsmaßnahmen** Generelle Vorsichtsmaßnahmen beim Gebrauch nichtionischer Kontrastmittel: Bei bekannter Allergie, Asthma oder schwer behandelbaren Reaktionen gegen iodhaltige Kontrastmittel ist besondere Vorsicht geboten. **Interaktionen** Der Einsatz iodhaltiger Kontrastmittel kann eine vorübergehende Einschränkung der Nierenfunktion zur Folge haben. **Schwangerschaft/**

**Stillzeit** Die Unbedenklichkeit der Anwendung von VISIPAQUE™ während der Schwangerschaft ist bisher nicht in kontrollierten klinischen Studien erwiesen. **Unerwünschte Wirkungen** Nach intravasculärer Anwendung: Gelegentlich: Überempfindlichkeitsreaktionen, Übelkeit, Erbrechen, Hitzegefühl. Nach intrathekaler Anwendung: Gelegentlich: Kopfschmerz, Erbrechen. Nach Anwendung in Körperhöhlen: HSG: Sehr häufig: Schmerzen im unteren Abdomen, Vaginalblutungen. Häufig: Kopfschmerz, Übelkeit, Fieber. Arthrographie: Häufig: Schmerzen an der Injektionsstelle, Diarrhoe, Abdominalschmerzen. Gelegentlich: Überempfindlichkeitsreaktionen, Übelkeit. **Zulassungsnummer:** 52228 (Swissmedic). **Zulassungsinhaber:** GE Healthcare AG, Opfikon. **Stand der Information:** März 2008. Weitere Informationen entnehmen Sie bitte der Website Arzneimittelinformation der Swissmedic, [www.swissmedicinfo.ch](http://www.swissmedicinfo.ch). GE Healthcare AG, Europastrasse 31, 8152 Glattbrugg

## Literatur

1. McCullough PA et al. *Cardiorenal Med* 2011;1:220-34.
2. Davidson CJ et al. *Circulation* 2000;101:2172-7.
3. McCullough PA et al. *BMC Medical Imaging* 2011;11:12.

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12:00–  
13:00**Lunch Symposium**

organized by GE Healthcare AG



GE Healthcare

LS201

**Less is More: Low-Dose CT Angiography**

Moderator: S. Leschka, St. Gallen

**A Picture is Worth a Thousand Words – How to get Nice Images?***S. Leschka, St.Gallen***Low Contrast Dose in Pulmonary CT Angiography***L. Faggioni, Pisa/IT***Low Radiation Dose: How Low can we Go?***S. Schindera, Basel***Panel Discussion: „What to Do in the Daily Routine –  
Low Radiation Dose or Low Contrast Dose or Both?“**13:00–  
13:30

Break / Posters / Technical Exhibition

**Plenary Session**13:30–  
14:35**Dignitaries and Awards**

Moderators: S. Duewell, Frauenfeld; U. Wolfensberger, Horgen

**Musical Interlude***Streichtrio Tritiglia*

SGR  
SSR 13:30 **Opening**  
PS204 *R. Kubik-Huch, Baden; U. Wolfensberger, Horgen*

13:35 **Board Examination Report**  
PS205 *Th. Frauenfelder, Zürich*

13:40 **Board Examination Awards**  
PS206 *Th. Frauenfelder, Zürich*

13:45 **Poster Awards**  
PS207 *S. Schmidt, Lausanne*

13:50 **Andres Giedion Award (SGPR-SSRP)**  
PS209 *G. Eich, Aarau*

13:55 **Prix François Terrier pour la Recherche Expérimentale en Radiologie**  
PS210 *S. Duewell, Frauenfeld*

14:05 **Jubiläumspreis**  
PS211 *S. Duewell, Frauenfeld*

**Musical Interlude**  
*Streichtrio Tritiglia*

14:15 **Honorary Member: B. Allgayer, Luzern**  
PS212 *Laudatio: R. Kubik-Huch, Baden*

14:20 **Honorary Corresponding Member: P. Baierl, Wien/AT**  
PS213 *Laudatio: B. Marincek, Kilchberg*

14:30 **Awarding of the H.R. Schinz Medal to J. Hennig, Freiburg/DE**  
PS214 *Laudatio: S. Duewell, Frauenfeld*

## Plenary Session

14:35–  
15:00 **H.R. Schinz Lecture**  
**Faster, Higher, Stronger – the Future of MRI?**  
PS215  
*J. Hennig, Freiburg/DE*

15:00–  
15:30 Break / Posters / Technical Exhibition

**Plenary Session**SGR  
SSR

15:30–  
17:00 **The Conventional X-Ray:  
The Back Bone of Clinical Radiology**

Moderators: P. Probst, Solothurn; T. Roeren, Aarau

15:30 **Wilhelm Conrad Röntgen, Life and Passion for a Pioneering  
Perspective**  
PS216 *A. Röntgen, Wiesbaden/DE*

16:00 **Lecture from the Master: The Conventional X-Ray of the Chest**  
PS217 *J. Caceres, Barcelona/ES*

17:15–  
18:30 **Mitglieder–Jahresversammlung SGR  
Assemblée annuelle SSR**

19:30–  
23:00 **Gesellschaftsabend  
Soirée des Sociétés  
Society Evening**  
(Seite / page 23)

## Kongressprogramm Samstag / Programmes du congrès Samedi

SGR  
SSR

Time	Room A
	<b>Offizieller Weiter- und Fortbildungskurs SGR / Cours officiel de formation postgraduée et continue de la SSR / Joint Course with SGS-SSS Update in Breast Imaging and Therapy</b> Page 61
08:15-09:45	<b>Session 1: Early Breast Cancer</b> Page 61
09:45-10:10	Break / Posters / Technical Exhibition
10:10-11:40	<b>Session 2: Staging and Evaluation of the Treated Breast</b> Page 61
11:45-12:45	<b>Lunch Symposium: Tomosyntheses – A new Technology in Breast Imaging goes Standard</b> organized by Medicor Medical Supplies GmbH Page 63
12:45-13:15	Break / Posters / Technical Exhibition
13:15-14:45	<b>Session 3: How to Report Breast Exams</b> Page 63
14:45-15:00	Break / Posters / Technical Exhibition
15:00-16:40	<b>Session 4: SGS-SSS</b> Page 64

Uhrzeit / Heure

Prog.-Nr. / No du progr.

SGR  
SSR

**Offizieller Weiter- und Fortbildungskurs SGR\***  
**Joint Course with SGS**  
**Cours officiel de formation postgraduée**  
**et continue de la SSR\***  
**Joint Course with SSS**

**Update in Breast Imaging and Therapy**

**08:15–  
09:45**      **Session 1: Early Breast Cancer**

Moderators: B. Allgayer, Luzern; C. Viehl, Biel

08:15      **Pathologic Findings and Classification of Early Breast**  
**RC301**      **and Precursor Lesions**  
*Z. Varga, Zürich*

08:45      **Early Breast Cancer: Detection, Findings and Treatment Options**  
**RC302**      *A. Günthert, Bern*

09:15      **Breast-MRI in Early Breast Cancer (Pre-Invasive and Invasive Cancer)**  
**RC303**      *C. Kurtz, Luzern*

09:45–  
10:10      Break / Posters / Technical Exhibition

**10:10–  
11:40**      **Session 2: Staging and Evaluation of the Treated Breast**

Moderators: B. Klaeser, Bern; T. Boehm, Chur

10:10      **Value of PET/CT in Staging of Breast Carcinoma**  
**RC304**      *N. Avril, Cleveland/US*

10:40      **Imaging of the Postoperative and Reconstructed Breast**  
**RC305**      *M. Fuchsjaeger, Graz/AT*

11:10      **Evaluation of Response to Neoadjuvant Chemotherapy**  
**RC306**      **and Detection of Recurrent Disease**  
*K. Hellerhoff, München/DE*

\* Separate Attestierung / Attestation séparée  
 8 Punkte Kategorie 1 / 8 points en catégorie 1

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11:45–  
12:45**Lunch Symposium**

organized by Medicor Medical Supplies GmbH

**Medicor**

LS301

**Tomosyntheses – A new Technology in Breast Imaging goes Standard**

Moderators: R. Kubik-Huch, Baden; B. Allgayer, Luzern

**Tomosyntheses – Technical Background***B. Martins, Vilvoorde/BE***Practical Experiences in the First Years of the Tomosyntheses***H. Rijken, Vilvoorde/BE***Tomosyntheses – A technology which is Suitable for Mammography Screening Programs?***to be announced***First Experiences in Tomo-Biopsy***M. Sonnenschein, Bern*12:45–  
13:15

Break / Posters / Technical Exhibition

13:15–  
14:45**Session 3: How to Report Breast Exams**

Moderators: S. Dellas, Basel; J.-F. Delaloye, Lausanne

13:15

**Mammography**

RC307

*M. Müller-Schimpfle, Frankfurt/DE*

13:45

**Breast Ultrasound**

RC308

*A. Munding, Osnabrück/DE*

14:15

**Breast MRI**

RC309

*K. Kinkel, Chêne-Bougeries*14:45–  
15:00

Break / Posters / Technical Exhibition

SGR  
SSR**15:00–  
16:30**      **Session 4: SGS–SSS**

Moderators: C. Rageth, Zürich; S. Aebi, Luzern

15:00      **Influence of Imaging on the Radiotherapy  
RC310      in Breast Cancer Patients**  
*P. Lukas, Innsbruck/AT*

15:30      **Intraoperative Radiotherapy for Breast Cancer**  
RC311      *G. Gruber, Zürich*

16:00      **Neoadjuvant Chemotherapy**  
RC312      *S. Aebi, Luzern*

16:30      **Closing Remarks and End of Congress**  
*B. Allgayer, Luzern*



Cardiovascular Imaging

- PO01**      **The role of multidetector computer tomography (MDCT) before transcatheter aortic valve implantation (TAVI)**  
*T. D. L. Nguyen-Kim, S. Baumüller, W. Maier, M. Gessat, T. Frauenfelder; Zürich*
- PO02**      **Coronary artery stent imaging with CT using an integrated electronics detector and iterative reconstructions: First experience**  
*F. Morsbach<sup>1</sup>, J. von Spiczak<sup>1</sup>, S. Winklhofer<sup>1</sup>, T. Frauenfelder<sup>1</sup>, S. Leschka<sup>2</sup>, D. C. Maintz<sup>3</sup>, A. C. Bunck<sup>3</sup>, P. Stolzmann<sup>1</sup>, H. Alkadhi<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>St. Gallen, <sup>3</sup>Köln/DE*
- PO03**      **CT-perfusion in patients with symptomatic peripheral arterial disease (PAD): Change of perfusion parameters after interventional revascularisation and correlation with pre-interventional angiographic parameters**  
*M. Hüllner<sup>1</sup>, M. Banyai<sup>2</sup>, K. Strobel<sup>2</sup>, P. Veit-Haibach<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Luzern*
- PO04**      **CT-perfusion in patients with symptomatic peripheral arterial disease (PAD): Correlation of perfusion parameters with hemodynamic parameters, differentiation of occlusion and high-grade stenosis**  
*M. Hüllner<sup>1</sup>, M. Banyai<sup>2</sup>, K. Strobel<sup>2</sup>, P. Veit-Haibach<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Luzern*
- PO05**      **Implementing non-invasive cardiac imaging in clinical routine of a peripheral hospital**  
*G. Bodendörfer, J. Burnand, L. Risse, P. Zukowski, L. Bugnard, A. Jaff; Riaz*

Interventional

- PO06**      **Percutaneous endovascular biopsy for intra-vascular lesions**  
*A. Pomoní<sup>1</sup>, F. Tobalem<sup>2</sup>, R. A. Meuli<sup>2</sup>, S. D. Qanadli<sup>2</sup>; <sup>1</sup>Pully, <sup>2</sup>Lausanne*
- PO07**      **Percutaneous image guided C-spine procedures**  
*F. Massari<sup>1</sup>, A. W. Vandergrift<sup>1</sup>, G. Bonaldi<sup>2</sup>, E. Pravata<sup>3</sup>, A. Cianfoni<sup>3</sup>; <sup>1</sup>Charleston SC/US, <sup>2</sup>Bergamo/IT, <sup>3</sup>Lugano*
- PO08**      **Endovascular angioplasty of the isolated obstruction of internal iliac artery for buttock claudication**  
*A. Chouiter<sup>1</sup>, T.-L. C. Lu<sup>2</sup>, F. Doenz<sup>2</sup>, S. D. Qanadli<sup>2</sup>; <sup>1</sup>Neuchâtel, <sup>2</sup>Lausanne*

- PO09**      **Operator radiation doses during CT-guided spine procedures**  
*A. Cianfoni<sup>1</sup>, H. E. Hawk<sup>2</sup>, E. Pravata<sup>1</sup>, M. U. Manzoor<sup>2</sup>, Z. Rumboldt<sup>2</sup>, W. Huda<sup>2</sup>; <sup>1</sup>Lugano, <sup>2</sup>Charleston SC/US*
- PO10**      **Radiofrequency (RF) electrodes for magnetic resonance (MR) guided RF-ablation at 3.0T: Do ultra-short echo time (UTE) sequences provide less artifacts?**  
*D. Schmidt<sup>1</sup>, S. Clasen<sup>2</sup>, D. Nanz<sup>1</sup>, P. L. Pereira<sup>3</sup>, A. Boss<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Tübingen/DE, <sup>3</sup>Heilbronn/DE*
- PO11**      **Endovascular treatment of isolated internal iliac artery aneurysms**  
*A. Chouiter<sup>1</sup>, F. Glauser<sup>2</sup>, F. Doenz<sup>2</sup>, P. Tozzi<sup>2</sup>, S. D. Qanadli<sup>2</sup>; <sup>1</sup>Neuchâtel, <sup>2</sup>Lausanne*
- PO12**      **Popliteal artery recanalization using SUPERA stent: A retrospective study**  
*A. Chouiter<sup>1</sup>, S. Derrouis<sup>1</sup>, F. Glauser<sup>2</sup>, S. D. Qanadli<sup>2</sup>; <sup>1</sup>Neuchâtel, <sup>2</sup>Lausanne*

### Womens Imaging including Breast

- PO13**      **New techniques in breast imaging**  
*C. Lutchmaya-Flick, C. Nakajo, R. A. Meuli, J.-Y. Meuwly; Lausanne*
- PO14**      **MRI-guided vacuum-assisted breast biopsy: Comparison to the stereotactic and sonographically guided technique**  
*T. Imschweiler<sup>1</sup>, H. Hauelsen<sup>2</sup>, G. Kampmann<sup>3</sup>, L. Rageth<sup>4</sup>, B. Seifert<sup>4</sup>, C. Rageth<sup>4</sup>, B. Freiwald<sup>5</sup>, R. A. Kubik-Huch<sup>5</sup>; <sup>1</sup>Dachsen, <sup>2</sup>Aarau, <sup>3</sup>Sorengo, <sup>4</sup>Zürich, <sup>5</sup>Baden*

### Abdominal and Pelvic Imaging

- PO15**      **Contrast-enhanced ultrasound: Retrospective analysis of two years use in an University Hospital**  
*V. Lenoir, T. de Perrot, S. Terraz, P.-A. Poletti; Genève*
- PO16**      **Dose reduction in abdominal CT with a model-based iterative reconstruction algorithm: A phantom study**  
*D. B. Husarik<sup>1</sup>, H. Alkadhi<sup>1</sup>, G. D. Puippe<sup>1</sup>, C. S. Reiner<sup>1</sup>, N. Chuck<sup>1</sup>, Z. Szucs-Farkas<sup>2</sup>, S. Schindera<sup>3</sup>; <sup>1</sup>Zürich, <sup>2</sup>Biel, <sup>3</sup>Basel*

- PO17**      **MR imaging appearances of cholangiocarcinoma in patients with primary sclerosing cholangitis**  
*S. Schindera<sup>1</sup>, H.-J. Jang<sup>2</sup>, T. Kim<sup>2</sup>; <sup>1</sup>Basel, <sup>2</sup>Toronto/CA*
- PO18**      **Intrahepatic cholangiocarcinoma: Diffusion-weighted MR imaging findings**  
*R. Duran<sup>1</sup>, A. Pomoni<sup>2</sup>, F. Becce<sup>1</sup>, A. Denys<sup>1</sup>, R. A. Meuli<sup>1</sup>, S. Schmidt<sup>1</sup>; <sup>1</sup>Lausanne, <sup>2</sup>Pully*
- PO19**      **Active contrast media extravasation on CT-angiography in patients with acute colonic haemorrhage: Imaging features and further management**  
*N. V. Nguyen, P. Bize, A. Denys, R. A. Meuli, S. Schmidt; Lausanne*
- PO20**      **Correlation between global small-bowel motility in MRI and local disease activity in patients with Crohn's disease**  
*S. Bickelhaupt<sup>1</sup>, J. M. Froehlich<sup>1</sup>, R. Cattin<sup>2</sup>, S. Raible<sup>2</sup>, U. Bill<sup>3</sup>, H. Bouquet<sup>3</sup>, M. A. Patak<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Biel, <sup>3</sup>Bern*
- PO21**      **Computed tomography perfusion imaging for the prediction of response and survival to transarterial radioembolization of liver metastases**  
*F. Morsbach<sup>1</sup>, T. Pfammatter<sup>1</sup>, C. S. Reiner<sup>1</sup>, M. Fischer<sup>1</sup>, B.-R. Sah<sup>1</sup>, S. Winklhofer<sup>1</sup>, E. Klotz<sup>2</sup>, T. Frauenfelder<sup>1</sup>, A. Knuth<sup>1</sup>, B. Seifert<sup>1</sup>, N. Schäfer<sup>1</sup>, H. Alkadhi<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Forchheim/DE*

**Musculoskeletal Imaging**

- PO22**      **PLIF, ALIF and TLIF: What the radiologist should know**  
*N. Meunier Carus Vincent, E. Tessitore, D. A. Djema, S. Haller, K.-O. Lövblad, V. Cuvincius; Genève*
- PO23**      **Interobserver variability of SPECT/CT, MRI, CT, bone scan and plain radiographs in patients with unspecific wrist pain**  
*L. Werner<sup>1</sup>, M. Hüllner<sup>2</sup>, K. Strobel<sup>1</sup>, A. Bürkert<sup>1</sup>, M. Pérez-Lago<sup>1</sup>, U. von Wartburg<sup>1</sup>, B. Seifert<sup>2</sup>, P. Veit-Haibach<sup>2</sup>; <sup>1</sup>Luzern, <sup>2</sup>Zürich*
- PO24**      **Visualisation of the coracoacromial ligament by ultrasound and MRI: Comparison between asymptomatic volunteers and patients with shoulder impingement**  
*T. Dietrich, M. Jonczy, F. M. Buck, C. W. A. Pfirrmann; Zürich*

- PO25**      **CT metal artifact reduction in internally fixated proximal humeral fractures: Comparison between monoenergetic extrapolation of dual energy and iterative artifact reduction algorithms**  
*S. Winklhofer<sup>1</sup>, F. Morsbach<sup>1</sup>, P. Stolzmann<sup>1</sup>, E. Benninger<sup>2</sup>, C. Spross<sup>2</sup>, B. Jost<sup>2</sup>, M. Thali<sup>1</sup>, H. Alkadhi<sup>1</sup>, R. Guggenberger<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>St. Gallen*
- PO26**      **Muscle imaging and operative success of lumbar disc herniation – a pilot study**  
*H.-L. Platzöder, G. Jost, C. Zweifel, M. Gloor, T. Haas, D. Fischer, C. Stippich, A. Fischmann; Basel*
- Brain, Head and Neck**
- PO27**      **Neuroimaging of ophthalmoplegia**  
*E. Pravata<sup>1</sup>, A. Cianfoni<sup>1</sup>, C. Colosimo<sup>2</sup>, J. R. Hesselink<sup>3</sup>;  
<sup>1</sup>Lugano, <sup>2</sup>Rome/IT, <sup>3</sup>San Diego/US*
- PO28**      **Radiolucent lesions of the mandible: How to make the correct diagnosis**  
*R. Kohler, L. Avrii, A. Terzic, B. Imholz, P. Scolozzi, T. Lombardi, M. Becker; Genève*
- PO29**      **Liliequist membrane anatomy and development of suprasellar cysts**  
*J. Forget, R. A. Meuli, P. Hagmann, P. Maeder; Lausanne*
- PO30**      **CT brain perfusion for acute stroke**  
*T. Bader; Luzern*
- PO31**      **Assessing brain activity with f-MRI during observation (active and passive) and mental imagery of different postural tasks**  
*W. Taube, M. Keller, M. Mouthon, C. Leukel, J.-M. Annoni, H.-M. Hoogewoud; Fribourg*
- PO32**      **Fetal brain MR and US-imaging correlation in prenatal and postnatal studies**  
*M. Hauser, P. Hagmann, L. Alamo, R. Meuli, P. Maeder; Lausanne*

- PO33**      **Diffusion tensor imaging and tractography of the trigeminal nerve: Feasibility and first clinical applications**  
*L. Avril, C.-T. Pham, R. Kohler, M.-I. Vargas, A. Terzic, S. Haller, K.-O. Lövblad, M. Viallon, M. Becker; Genève*
- PO34**      **Metal artifact reduction from dental hardware in carotid CT angiography using iterative reconstructions**  
*F. Morsbach<sup>1</sup>, M. Wurnig<sup>1</sup>, D. Kunz<sup>1</sup>, A. Krauss<sup>2</sup>, B. Schmidt<sup>2</sup>, S. Kollias<sup>1</sup>, H. Alkadhi<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Forchheim/DE*
- PO35**      **Dynamic contrast enhancement magnetic resonance perfusion on the spinal cord and adjacent lesions**  
*V. Cuvinciuc, M. Viallon, S. Haller, M. I. Vargas, D. Arditi, D. A. Djema, K.-O. Lövblad; Genève*
- PO36**      **Modulation of primary motor cortex activation in patients with tumors of the central region**  
*M. Tozakidou<sup>1</sup>, H. Wenz<sup>2</sup>, J. Reinhardt<sup>1</sup>, E. Nennig<sup>2</sup>, K. Riffel<sup>2</sup>, M. Blatow<sup>1</sup>, C. Stippich<sup>1</sup>; <sup>1</sup>Basel, <sup>2</sup>Heidelberg/DE*
- PO37**      **Clinical language fMRI at 1.5T and 3T – A 12 year experience**  
*A. J. de Vere-Tyndall, M. Blatow, J. Reinhardt, C. Stippich; Basel*
- PO38**      **Brachial plexus MR imaging at 3 Tesla**  
*X. Boulanger, J.-B. Ledoux, C. Beigelman; Lausanne*

## Chest and Lung

- PO39**      **The clinical and radiological presentation of swimming induced pulmonary edema**  
*H. S. Grünig; Luzern*
- PO40**      **Pleural thickening interpretation guide**  
*L. Perrin, C. Beigelmann; Lausanne*
- PO41**      **Miliary tuberculosis: The difference in HRCT findings in HIV-seropositive and HIV-seronegative patients in a rural Indian setting**  
*S. V. Kashikar, A. K. A. Bari, A. A. Sachan; Wardha/IN*

- PO42**      **CT-perfusion in lung cancer: Relation of perfusion parameters to tumor type and clinical tumor stage**  
*M. Hüllner<sup>1</sup>, T. Collen<sup>2</sup>, K. Strobel<sup>2</sup>, P. Gut<sup>2</sup>, P. Veit-Haibach<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Luzern*
- PO43**      **Comparison of CT dose and image quality with filtered back projection, iterative reconstruction and CT with a new detector with minimal electronic noise**  
*A. Christe<sup>1</sup>, J. Heverhagen<sup>1</sup>, C. Ozdoba<sup>1</sup>, C. Weisstanner<sup>1</sup>, S. Ulzheimer<sup>2</sup>, L. Ebner<sup>1</sup>; <sup>1</sup>Bern, <sup>2</sup>Forchheim/DE*
- PO44**      **Value of morphological magnetic resonance imaging for lung nodule detection in high-risk populations: Comparison to low-dose computed tomography**  
*G. Sommer<sup>1</sup>, J. Tremper<sup>2</sup>, M. Koenigkam-Santos<sup>2</sup>, S. Delorme<sup>2</sup>, N. Becker<sup>2</sup>, J. Biederer<sup>2</sup>, H.-U. Kauczor<sup>2</sup>, C.-P. Heussel<sup>2</sup>, H.-P. Schlemmer<sup>2</sup>, M. Puderbach<sup>2</sup>; <sup>1</sup>Basel, <sup>2</sup>Heidelberg/DE*

### Ethics, Economics and Quality Improvement

- PO45**      **The evolution of forensic radiology**  
*T. D. Ruder<sup>1</sup>, M. Baglivo<sup>2</sup>, S. Winklhofer<sup>1</sup>, G. M. Hatch<sup>3</sup>, G. Ampanozi<sup>1</sup>, M. Thali<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>St. Gallen, <sup>3</sup>Albuquerque/US*
- PO46**      **Image quality comparison between standard and low dose protocol for head CT**  
*S. V. Kashikar, A. K. A. Bari, A. A. Sachan; Wardha/IN*
- PO47**      **Emergency usage in multiple injured patients: Changing the role of imaging**  
*R. E. Bolt<sup>1</sup>, J. Hohmann<sup>1</sup>, S. Shamdasani<sup>1</sup>, M. Jakob<sup>1</sup>, A. L. Jacob<sup>1</sup>, G. Bongartz<sup>1</sup>, T. Gross<sup>2</sup>, D. Bilecen<sup>3</sup>, R. Hügli<sup>3</sup>, W. Ummenhofer<sup>1</sup>; <sup>1</sup>Basel, <sup>2</sup>Aarau, <sup>3</sup>Bruderholz*
- PO49**      **Quality improvement model in radiology: Private experience**  
*T. Laswad, D. Fournier, J. Moreau; Sion*
- PO50**      **Clinical CT imaging: Patient exposure can be reduced through the adoption of advanced data acquisition and processing**  
*M. Kinzel<sup>1</sup>, T. Betschart<sup>1</sup>, T. Schenkel<sup>1</sup>, M. Hentschel<sup>2</sup>, T. Beyer<sup>1</sup>, T. Jung<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Bern*

## Medical Physics and Basic Science

- PO51**      **Reading tea leaves with MR**  
*T. D. Ruder<sup>1</sup>, H. J. A. Crooijmans<sup>2</sup>, D. Gascho<sup>1</sup>, N. Schwendener<sup>3</sup>,  
 G. M. Hatch<sup>4</sup>, M. Thali<sup>1</sup>, E. Hefti<sup>3</sup>, W. Schweitzer<sup>1</sup>; <sup>1</sup>Zürich, <sup>2</sup>Basel, <sup>3</sup>Bern,  
<sup>4</sup>Albuquerque/US*
- PO52**      **Potential of optimisation of CR- and DR-units**  
*S. Scheidegger<sup>1</sup>, K. Haller<sup>2</sup>, B. Markert<sup>2</sup>, H. Güdel<sup>3</sup>, L. D. A. Vieira<sup>2</sup>,  
 G. Lutters<sup>2</sup>; <sup>1</sup>Winterthur, <sup>2</sup>Aarau, <sup>3</sup>Villigen PSI*
- PO53**      **CTDI measurements for clinical protocols and comparison  
to CTDI indications of CTs**  
*L. D. A. Vieira<sup>1</sup>, B. Markert<sup>1</sup>, S. Scheidegger<sup>2</sup>; <sup>1</sup>Aarau, <sup>2</sup>Winterthur*
- PO54**      **Material differentiation in forensic radiology with single-source  
dual-energy computed tomography**  
*T. D. Ruder<sup>1</sup>, Y. Thali<sup>2</sup>, S. Bolliger<sup>3</sup>, S. Mathier<sup>2</sup>, M. Thali<sup>1</sup>, G. M. Hatch<sup>4</sup>,  
 S. Schindera<sup>5</sup>; <sup>1</sup>Zürich, <sup>2</sup>Bern, <sup>3</sup>Aarau, <sup>4</sup>Albuquerque/US, <sup>5</sup>Basel*
- PO55**      **MR imaging on a clinical 3T system of ex-vivo mouse joints with  
SPION uptake in an arthritis model using 3D difference ultrashort  
echo time images**  
*L. A. Crowe<sup>1</sup>, M. Koenders<sup>2</sup>, E. Vermeij<sup>2</sup>, F. A. van de Loo<sup>2</sup>, A. Gramoun<sup>1</sup>,  
 A. Petri-Fink<sup>3</sup>, H. Hofmann<sup>3</sup>, W. B. van Den Berg<sup>2</sup>, J.-P. Vallee<sup>1</sup>;  
<sup>1</sup>Genève, <sup>2</sup>Nijmegen/NL, <sup>3</sup>Lausanne*
- PO56**      **Custom stereoscopic lenticular printing of volumetric imaging**  
*J. Spaltenstein; Genève*

## Pediatric Radiology

- PO57**      **The limping child-ages 0 to 5 years: Differential diagnosis  
and systematic imaging approach**  
*G. Schweigmann, C. Kellenberger; Zürich*
- PO58**      **MRI in hip dysplasia: What are the pediatric orthopedic surgeon  
needs and how MRI influences his decisionmaking**  
*E. Stranzinger, T. Dobrocky, A. Schankath, K. Ziebarth, A. Joeris, R. Wolf;  
 Bern*

- PO59**      **Comparative studies of dose in the practice of pediatric examinations requiring the fluoroscopy**  
*F. Guignard, C. Elandoy, R. Meuli, F. Gudinchet; Lausanne*
- PO60**      **Role and feasibility of magnetic resonance cholangiopancreatography in pediatric biliary and pancreatic pathologies**  
*S. Toso, A. Kanavaki, E. Maturana, B. Wildhaber, M. Anooshiravani-Dumont; Genève*
- PO61**      **Ultrasound of the axillary arch muscle in children**  
*P. Steiger, O. Bucher, E. Stranzinger; Bern*