



Sixth INTERNATIONAL CONGRESS
ON MR-MAMMOGRAPHY

*Final
Program*

September 27–29, 2012

Institute of Diagnostic and Interventional Radiology I
Jena University Hospital, Germany

“Ama et fac quod vis!”

(Love and do what you will!)

Augustinus von Hippo (354-430)
Latin philosopher and theologian



Fraternity Memorial at the Friedrich Schiller University

Generations of poets, philosophers and students have sung its praises to Jena in song and poetry, perhaps most beautifully Gottfried Benn: "Jena before us, in the delightful valley". Everywhere you go culture is inescapable - above all that of Romanticism, Classicism and the Gründerzeit. A uniquely student way of life also started in Jena and went on to have fundamental repercussions in high politics: Jena is where the very first student fraternity formed whose black-red-gold banner, today the national colours, has signalled the democratic spirit of unity, justice and liberty ever since the meeting at the Wartburg in 1817. Fraternities may not play much of a role in the 21st century in Jena but the memory of this democratic emergence is preserved not only by these wearers of colourful ribbons and caps.

(Text: Friedrich Schiller University Jena)

Welcome



Annette Schavan
Federal Minister of
Education and Research

Magnetic Resonance Imaging (MRI) has become an indispensable diagnostic tool in health care. The Federal Ministry of Education and Research has been supporting the further development of MRI ever since the 1980s, which has not only led to advances in the devices themselves, but also to the creation of well-equipped new imaging centres and the establishment of junior research groups. All this has strengthened our research landscape on a long-term basis.

The potential of MRI – especially functional imaging of the nervous system – has captured the public’s imagination. Thanks to the unwavering efforts of diagnostic radiologists, MRI has also come to play a key role in the early detection of cancer. This is a particularly striking example of how consistent research and development activities can result in new procedures which benefit patients and can subsequently be applied more broadly in the health care system.

Magnetic resonance mammography is currently the most reliable way of diagnosing breast cancer. It can detect malignant changes at a much earlier stage than other diagnostic methods. Despite continuous progress, fighting breast cancer remains one of the great challenges facing modern medicine. There is still a great need to improve diagnostic accuracy, particularly when it comes to early detection.

Scientists and clinicians need to be able to exchange experiences and findings so that they can achieve further advances in this important field. The Sixth International Congress on MR Mammography in Jena is an excellent forum for such exchanges. I would like to thank the organizers of the congress for their initiative. I am confident that the event will give all participants new insights that they can apply in their research activities and in patient care.

A handwritten signature in blue ink that reads "Annette Schavan". The signature is fluid and cursive.

Patron

Welcome

It is a great pleasure for me to welcome you at the Sixth International Congress on MR-Mammography in Jena.

Magnetic resonance mammography (MRM) is opening new avenues in the diagnosis of breast cancer, the most frequent cancer in women. This modality is wonderful and nearly perfect but has a complicated childhood. The former congresses in 1997, 2000, 2003, 2006 and 2009 gave the opportunity to bring experts in this field together to discuss all aspects of this novel imaging modality. Despite the clinical practice of MR-Mammography during the past 28 years and the proven essential advantages regarding the detection and differentiation of small breast lesions - a large number of technical, biological and pathophysiological problems must still be considered. For years, the phrase "high sensitivity but low specificity" has been used like a mantra to characterize MRM, which is luckily not true if MRM is applied in a high quality. MRM has the capability to detect breast lesions much earlier than conventional imaging techniques - and in these stages the prognosis of the disease is much better. After a complex childhood a perfect performance can be expected in the future.

The Sixth International Congress on MR Mammography from September 27-29, 2012 shall be again the place where clinicians and scientists from all over the world meet, contribute and exchange their knowledge and discuss their experiences with respect to the most recent trends in the field.

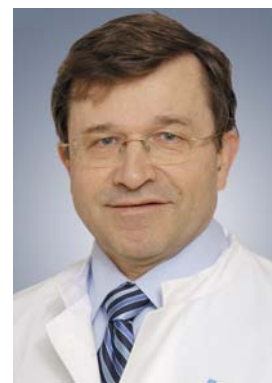
The congress is again organized by the Institute of Diagnostic and Interventional Radiology I.

I am looking forward to the exciting, creative, upcoming days.

Sincerely yours,



Chairman



Werner A. Kaiser
Director of the Institute of
Diagnostic and
Interventional Radiology I

Invited Faculty

Pascal A.T. Baltzer	<i>Medical University of Vienna, Vienna / A</i>
Zaver M. Bhujwalla	<i>Johns Hopkins University School of Medicine, Baltimore / USA</i>
Ulrich Bick	<i>Charité - University Hospital Berlin, Berlin / D</i>
Werner Böcker	<i>Hämatopathologie Hamburg, Hamburg / D</i>
Sandra B. Brennan	<i>Memorial Sloan-Kettering Cancer Center, New York / USA</i>
Luca A. Carbonaro	<i>IRCCS Policlinico San Donato, San Donato Milanese / I</i>
Rachel W. Chan	<i>University College London, London / GB</i>
Laura Cortesi	<i>Università di Modena e Reggio Emilia, Policlinico, Modena / I</i>
Bruce L. Daniel	<i>Stanford University, Stanford / USA</i>
Ellyete de Oliveira Canella	<i>Labs D'Or - Grupo Fleury, Rio de Janeiro / BR</i>
Hadassa Degani	<i>Weizmann Institute of Science, Rehovot / IL</i>
Matthias Dietzel	<i>University of Erlangen-Nürnberg, Erlangen / D</i>
Philip J. Drew	<i>Royal Cornwall Hospital, Truro / GB</i>
Alfonso Fausto	<i>Radiologia Universitaria , Siena / I</i>
Myra Feinberg-Shapiro	<i>Meir Medical Center, Kfar-Saba / IL</i>
Bruno D. Fornage	<i>The University of Texas, Houston / USA</i>
Fiona J. Gilbert	<i>University of Cambridge, Cambridge / GB</i>
Robert J. Gillies	<i>H. Lee Moffitt Cancer Center and Research Institute, Tampa / USA</i>
Kristine Glunde	<i>Johns Hopkins University School of Medicine, Baltimore / USA</i>
Ingrid S. Gribbestad	<i>Norwegian University of Science and Technology, Trondheim / N</i>
Stephen R. Grobmyer	<i>Cleveland Clinic, Cleveland / USA</i>
Horst K. Hahn	<i>MeVis Research, Bremen / D</i>
Brian A. Hargreaves	<i>Stanford University, Stanford / USA</i>
Steven E. Harms	<i>University of Arkansas for Medical Sciences, Fayetteville / USA</i>
Ingrid Hilger	<i>Jena University Hospital, Jena / D</i>
Debra Ikeda	<i>Stanford University, Stanford / USA</i>
Michael A. Jacobs	<i>Johns Hopkins University School of Medicine, Baltimore / USA</i>
Roberta Jong	<i>Sunnybrook Health Sciences Centre, Toronto / CDN</i>
Clemens G. Kaiser	<i>Medical Faculty Mannheim-University of Heidelberg, Mannheim / D</i>
Willi Kalender	<i>Friedrich-Alexander-University Erlangen-Nürnberg, Erlangen / D</i>
Frederick Kelcz	<i>University of Wisconsin, Madison / USA</i>
Fabian Kießling	<i>RWTH-Aachen University, Aachen / D</i>
Mathias Langer	<i>University Hospital Freiburg, Freiburg / D</i>
Constance D. Lehman	<i>University of Washington Medical Center, Seattle / USA</i>
Robert E. Lenkinski	<i>UT Southwestern Medical Center, Dallas / USA</i>
Jessica W. T. Leung	<i>California Pacific Medical Center, San Francisco / USA</i>

Jessica W. T. Leung	<i>California Pacific Medical Center, San Francisco / USA</i>
Anna Linda	<i>University of Udine, Udine / I</i>
Peter L. Malycha	<i>Royal Adelaide Hospital, Adelaide / AUS</i>
Laura Martincich	<i>Institute for Cancer Research and Treatment, Candiolo / I</i>
Shahla Masood	<i>University of Florida College of Medicine, Jacksonville / USA</i>
Michael Middleton	<i>University of California, San Diego / USA</i>
Catherine J. Moran	<i>Stanford University, Stanford / USA</i>
Elizabeth A. Morris	<i>Memorial Sloan-Kettering Cancer Center, New York / USA</i>
Carolyn E. Mountford	<i>Brigham and Women's Hospital, Boston / USA</i>
Michael T. Nelson	<i>University of Minnesota Medical School, Minneapolis / USA</i>
Gillian M. Newstead	<i>University of Chicago, Chicago / USA</i>
Roberto Orecchia	<i>University of Milan School of Medicine, Milano / I</i>
Katharina Pachmann	<i>Jena University Hospital, Jena / D</i>
Pietro Panizza	<i>Istituto Nazionale dei Tumori, Milano / I</i>
Federica Pediconi	<i>University of Rome, Rome / I</i>
Sabine Riethdorf	<i>University Hospital Hamburg-Eppendorf, Hamburg / D</i>
Nicole V. Ruiter	<i>Karlsruhe Institute for Technology, Karlsruhe / D</i>
Rafael Salvador	<i>Universitat Autònoma Barcelona, Barcelona / E</i>
Francesco Sardanelli	<i>IRCCS Policlinico San Donato, San Donato, Milano / I</i>
Kathy Schilling	<i>Boca Raton Regional Hospital, Boca Raton / USA</i>
Gerwin P. Schmidt	<i>Radiologie München Zentrum, Munich / D</i>
Benjamin Schmitt	<i>Medical University of Vienna, Vienna / A</i>
Simone Schradig	<i>University Hospital Aachen, Aachen / D</i>
Rüdiger Schulz-Wendtland	<i>University of Erlangen-Nürnberg, Erlangen / D</i>
Peter Sieglar	<i>Sunnybrook Health Sciences Centre, Toronto / CDN</i>
Per Skaane	<i>Ullevaal University Hospital, Oslo / N</i>
Narges K. Tafreshi	<i>H. Lee Moffitt Cancer Center and Research Institute, Tampa / USA</i>
Fabienne Thibault	<i>Institut Curie, Paris / F</i>
Giovanna Trecate	<i>Fondazione IRCCS Istituto Nazionale dei Tumori, Milano / I</i>
Vida Vafaizadeh	<i>Georg Speyer Haus, Frankfurt / D</i>
Tibor Vag	<i>Technical University Munich, Munich / D</i>
Mireille van Goethem	<i>University Hospital Antwerp, Edegem / B</i>
Ferdinand von Eggeling	<i>Jena University Hospital, Jena / D</i>
Reiko Woodhams	<i>Kitasato University School of Medicine, Sagami-hara / J</i>
Fan Yang	<i>Union Hospital Wuhan, Wuhan / RC</i>
Chiara Zuiani	<i>University of Udine, Udine / I</i>

Thursday, September 27, 2012

08:30 Opening Ceremony



It has become tradition that the Jenaer Madrigal Circle, the chamber choir of Jena's Philharmonic Orchestra, opens the congress with a variety of classical pieces.

Klaus Dicke, Rector

Friedrich Schiller University Jena

Klaus Benndorf, Dean of the Medical Faculty

Jena University Hospital, Member of the Executive Board

Werner Kaiser, Chairman

Jena University Hospital, Director of the Institute of Diagnostic and Interventional Radiology I

Session 1: **Tumor Biology**

Chairs: Carolyn Mountford, Rafael Salvador

- 1 09:00 **Theranostic imaging of cancer**
Marie-France Penet, Zhihang Chen, Samata Kakkad, Martin G. Pompe, Zaver M. Bhujwalla, Baltimore / USA
- 2 09:10 **A unifying theory of carcinogenesis and why targeted therapies don't work**
Robert J. Gillies, Chris I. Flowers, Jennifer S. Drukteinis, Robert A. Gatenby, Tampa / USA
- 3 09:20 **Molecular and functional ultrasound imaging of breast tumors**
Jessica Bzyl, Wiltrud Lederle, Moritz Palmowski, Fabian Kiessling, Aachen / D
- 4 09:30 **Stem Cells of the breast and their role in breast cancer**
Vida Vafaizadeh, Bernd Groner, Frankfurt / D
- 09:40 **Discussion**

10:00 – 10:30 Coffee Break

Session 2: **Breast Pathology**

Chairs: Kristine Glunde, Stephen Grobmyer, Robert Gillies

- 5 10:30 **New insights from breast pathology: should we consider low grade DCIS NOT a cancer?**
Shahla Masood, Jacksonville / USA
- 6 10:40 **Disseminated tumor cells: a clinical help or over-information?**
Katharina Pachmann, Jena / D
- 7 10:50 **Clinical role of detecting circulating tumor cells**
Sabine Riethdorf, Hamburg / D
- 8 11:00 **What is specific in hereditary breast cancer?**
Giovanna Trecate, Roberto Agresti, Laura Suman, Daniele Vergnaghi, Barbara Valeri, Monica Marchesini, Claudio Ferranti, Cristina Ferraris, Siranoush Manoukian, Gianfranco Scaperrotta, Scaperrotta Viganò, Pietro Panizza, Milan / I
- 9 11:10 **Reproducibility of breast biopsy**
Shahla Masood, Jacksonville / USA
- 10 11:20 **Basal-type and triple-negative tumors of the breast**
Werner Böcker, Hamburg / D
- 11 11:30 **Is MR detecting especially most aggressive DCIS cases?**
Simone Schrading, Christiane Kuhl, Aachen / D
- 12 11:40 **MALDI-Imaging: What can be expected?**
Ferdinand von Eggeling, Anna C. Crecelius, Ulrich S. Schubert, Orlando Guntinas-Lichius, Günther Ernst, Jena / D
- 11:50 **Discussion**

12:30 – 02:00 Lunch Break

Session 3: Interpretation

Chairs: Gillian Newstead, Francesco Sardanelli, Jessica Leung

- 13 02:00 **Simple and robust classification tree for differentiation between benign and malignant lesions in MR-Mammography**
Pascal A.T. Baltzer¹, Matthias Dietzel², Tobias Gröschel³, Werner A. Kaiser³, ¹Vienna / AT, ²Erlangen / D, ³Jena / D,
- 14 02:10 **Post surgery: blood, scar, clips etc.: How to get out of it?**
Ellyete de Oliveira Canella, Hilton Augusto Koch, Alice Vilas Boas de Matos, Rio de Janeiro / BR
- 15 02:20 **Multiparametric imaging: Do we need all information?**
Michael Jacobs, Baltimore / USA
- 16 02:30 **The Fibrotic Focus in MR Mammography**
M. van Goethem, G. Hufkens, I. Verslegers, V. van Marck, I. Biltjes, P. Parizel, Antwerp / B
- 17 02:40 **MR-Mammography: High sensitivity but low specificity? New thoughts and fresh data on an old mantra.**
Matthias Dietzel¹, Pascal A.T. Baltzer², Katharina Schön³, Werner A. Kaiser³, ¹Erlangen / D, ²Vienna / AT, ³Jena / D
- 18 02:50 **Updated BI-RADS lexicon**
Debra Ikeda, Stanford / USA
- 19 03:00 **Hormonal effects in DWI images of the breast**
Noura Al Rashidi¹, Gordon Waiter¹, Thomas Redpath¹, Fiona J Gilbert², ¹Aberdeen / GB, ²Cambridge / GB
- 20 03:10 **The “Perirenal Edema Sign” as a hint towards hypertension – Preliminary observations on cofindings in MRI breast cancer staging**
Clemens G. Kaiser¹, Cornelia Reich², Werner A. Kaiser², ¹Mannheim / D, ²Jena / D
- 21 03:20 **It is not all in the CAD or BI-RADS**
Frederick Kelcz, Madison, US
- 03:30 **Discussion**

04:00 – 04:30 Coffee Break

Session 4: Additional Indications

Chairs: Fabienne Thibault, Michael Middleton

- 22 04:30 **Focal transient inflammation: an everyday experience?**
Clemens G. Kaiser¹, J. Krammer¹, Stefan O. Schoenberg¹, Werner A. Kaiser², Klaus Wasser¹, ¹Mannheim / D, ²Jena / D
- 23 04:40 **Clinical Indications: what is the evidence?**
Constance D. Lehman, Seattle, USA
- 24 04:50 **Neoadjuvant Chemotherapy - Monitoring: Clinic, Ultrasound, Mammography, MRI, Elastography: Only one, only few or all?**
Rüdiger Schulz-Wendtland, Erlangen / D
- 25 05:00 **MRI in high risk women: benefits and problems**
Laura Cortesi¹, Annarita Pecchi¹, Elisabetta De Matteis¹, Elisabetta Filieri¹, Rachele Battista¹, Barbara Canossi¹, Pietro Torricelli¹, Massimo Federico¹, Modena / I
- 26 05:10 **Screening high risk women with MRI alone?**
Francesco Sardanelli¹, Filippo Santoro², Franca Podo², ¹Milano / I, ²Rome / I
- 27 05:20 **Guidelines related to MRI: What a surgeon wants to know**
Philip Drew, Cornwall / GB
- 05:30 **Discussion**

06:00 End of First Congress Day

Friday, September 28, 2012

Session 5: **Techniques: MRI-DWI-DTI, Contrast Agents**

Chairs: **Debra Ikeda, Michael Jacobs**

- 28 08:30 **Compressed Sensing and Opportunities in Breast MRI**
Muhammad Usman¹, Elizabeth A. Ramsay², Peter Siegler², Donald B. Plewes², **Rachel W. Chan¹**
¹London / GB, ²Toronto / CDN
- 29 08:40 **Accelerated Breast MRI with Compressed Sensing**
Brian Hargreaves, Manojkumar Saranathan, Kyung Sung, Bruce Daniel, Stanford / USA
- 30 08:50 **Breast MRI without Gadolinium: Utility of 3D DESS, a new 3D diffusion-weighted gradient-echo sequence**
Bruce L Daniel, Kristin L Granlund, Catherine J Moran, Marcus T Alley, Jafi Lipson, Debra Ikeda, Jennifer Kao, Brian A Hargreaves, Stanford / USA
- 31 09:00 **Advantages and drawbacks of breast DTI**
Edna Furman-Haran¹, Erez Eyal¹, Myra Shapiro-Feinberg², Noam Nissan¹, Dov Grobgeld¹, Noemi Weisenberg², **Hadassa Degani¹**, ¹Rehovot / IL, ²Kfar Saba / IL
- 32 09:10 **Clinical results of DTI**
Myra Shapiro Feinberg¹, Noemi Weisenberg¹, T. Zehavi¹, Edna Furman Haran², Dov Grobgeld², Noam Nissan², Hadassa Degani², ¹Kfar Saba / IL, ²Rehovot / IL
- 33 09:20 **Metals in MR-Mammography: How to deal with it?**
Brian Hargreaves, Bruce Daniel, Stanford / USA
- 34 09:30 **Diffusion MRI: ready for clinical practice?**
Constance D. Lehman, Seattle / USA
- 09:40 **Discussion**

10:00 – 10:30 Coffee Break

Session 6: **More technical details**

Chairs: **Ingrid Gribbestad, Mireille van Goethem, Michael Nelson**

- 35 10:30 **Do we really need new contrast agents for MR-Mammography?**
Eleonora Rachetta, Rita Spinelli, **Laura Martincich**, Candiolo / I
- 36 10:40 **Do we really need contrast agents?**
Milica Medved, Gregory S. Karczmar, **Gillian M. Newstead**, Chicago / USA
- 37 10:50 **High resolution images of the breast**
Catherine J. Moran, Manojkumar Saranathan, Anderson N. Nnewiwe, Kristin L. Granlund, Marcus T. Alley, Bruce L. Daniel, Brian A. Hargreaves, Stanford / USA
- 38 11:00 **Supine breast MRI and assessment of future clinical applications**
Peter Siegler, Mehran Ebrahimi, Claire M.B. Holloway, Gilbert Thevathasan, Donald B. Plewes, Anne Martel, Toronto / CDN
- 39 11:10 **Kinetic analysis of non-mass lesions on breast-MRI using manual and computer assisted methods**
Tibor Vag¹, Pascal A.T. Baltzer², Matthias Dietzel³, Werner A. Kaiser⁴, ¹Munich / D, ²Vienna / AT, ³Erlangen / D, ⁴Jena/D
- 40 11:20 **MR ductography necessary?**
Fan YANG, Xiang-Quan KONG, Gan-Sheng FENG, Wuhan / RC
- 41 11:30 **Do we need X-Ray ultrasound and MR together or only MR?**
Roberta Jong, Toronto / CDN
- 42 11:40 **Is prone or supine position effecting the information of breast-MR?**
Alfonso Fausto, Siena / I
- 43 11:50 **CT of the breast: a real innovation?**
Willi Kalender, Erlangen / D
- 12:00 **Discussion**

12:30 – 02:00 Lunch Break

Session 7: Consequences for Treatment
Chairs: Roberta Jong, Frederick Kelcz, N.N.

- 44 02:00 **Can we use MR-Mammography to predict nodal status?**
Luca A. Carbonaro, San Donato Milanese / I
- 45 02:10 **What to do with B3 lesions at needle biopsy?**
Anna Linda, Chiara Zuiani, Viviana Londero, Massimo Bazzocchi, Udine / I
- 46 02:20 **New insights from imaging of implants: Do we react properly?**
Michael Middleton, San Diego / USA
- 47 02:30 **MRI for treatment planning a necessity?**
Roberto Orecchia, Milan / I, Pave / I
- 48 02:40 **Diffusion Weighted Imaging: A long way to clinical routine**
Reiko Woodhams, Masanori Ozaki, Hirofumi Hata, Yusuke Inoue, Sagamihara / J
- 49 02:50 **Targeted lymph node detection**
Narges K. Tafreshi, Robert J. Gillies, David L. Morse, Tampa / USA
- 50 03:00 **Unenhanced MRI at 3T in neo-adjuvant chemotherapy**
Federica Pediconi, Federica Vasselli, Antonella Roselli, Fulvio Zaccagna, Luisa Di Mare, Carlo Catalano, Rome / I
- 51 03:10 **MRI in B3 lesions, low grade DCIS, high DCIS etc.: Is MR selecting the dangerous cases?**
Chiara Zuiani, Viviana Londero, Anna Linda, Rossano Girometti, Massimo Bazzocchi, Udine / I
- 52 03:20 **Extramammary findings in T2-weighted MR Breast Images**
Inge Verslegers, Mireille Van Goethem, Lieve Hufkens, Isabelle Biltjes, Paul Parizel, Antwerp / B
- 03:30 **Discussion**

04:00 – 04:30 Coffee Break

Session 8: Biopsy / Minimally Invasive Therapy and more
Chairs: Mathias Langer, Pietro Panizza

- 53 04:30 **Lessons learned from MR-guided Breast-Biopsy**
Sandra Brennan, J. Sung, C. Lee, DD Dershaw, Elizabeth Morris, New York / USA
- 54 04:40 **Minimally Invasive therapy using fullerenes**
Stephen R. Grobmyer¹, Vijay Krishna², ¹Cleveland / USA, ²Gainesville / USA
- 55 04:50 **MRgFUS: from diagnosis to therapy**
Federica Pediconi, Alessandro Napoli, Luisa Di Mare, Federica Vasselli, Carlo Catalano, Rome / I
- 56 05:00 **MRI of intraductal masses: What to do?**
Steven E. Harms, Derek E. Harms, Kevin Pope, Danna Grear, Stacy Smith-Foley, Kelly Johnson, Fayetteville / USA
- 57 05:10 **Whole Body MR or PET-CT?**
Gerwin Schmidt, Munich / D
- 58 05:20 **PEM (Positron Emission Mammography) - better than Magnetic Resonance Mammography?**
Kathy Schilling, Boca Raton / USA
- 05:30 **Discussion**
- 06:00 End of discussion
- 06:45 **Admission to the Congress Dinner in the Zeiss-Planetarium Jena** (see page 12)

Saturday, September 29, 2012

Session 9: **MR-Spectroscopy**

Chairs: Zaver Bhujwalla, Hadassa Degani

- 59 08:30 **Chemical differences of ductal vs lobular cancers**
Saadallah Ramadan¹, Pascal Baltzer², Alexander Lin³, Peter Stanwell¹, Hayden Box³, Werner A. Kaiser⁴, Carolyn E. Mountford¹, ¹Callaghan / AUS, ²Vienna / AT, ³Boston / USA, ⁴Jena / D
- 60 08:40 **Problems to do breast MRS in America**
Carolyn E. Mountford^{1,2}, Christian Schuster³, Pascal Baltzer⁴, Peter Malycha⁵, Werner A. Kaiser⁶, ¹Boston / USA, ²Callaghan / AUS, ³Erlangen / D, ⁴Vienna / AT, ⁵Adelaide / AUS, ⁶Jena / D
- 61 08:50 **Relevance of MRS to a breast surgeon**
Peter Malycha, Adelaide / AUS
- 62 09:00 **What's new in breast MRI spectroscopy**
Michael T. Nelson, Patrick J. Bolan, M. Garwood, L. Everson, T. Emory, J. Kuehn-Hajder, Minneapolis / USA
- 63 09:10 **MR-Spectroscopy: a difficult childhood**
Ingrid Gribbestad, Trondheim / N
- 64 09:20 **MR-Spectroscopy at 1.5 Tesla and 3 Tesla. Useful?**
Pascal A.T. Baltzer¹, Matthias Dietzel², Werner A. Kaiser³, ¹Vienna / AT, ²Erlangen / D, ³Jena / D
- 65 09:30 **Malignant transformation: The role of MRS**
Lu Jiang¹, Jannie P. Wijnen², Kristine Glunde¹, ¹Baltimore / USA, ²Utrecht / NL
- 09:40 **Discussion**

10:00 – 10:30 Coffee Break

Session 10: **Politics – Cost Effectiveness – Guidelines**

Chairs: Constance D. Lehman, Peer Skaane

- 66 10:30 **MRI before initial surgery outside of clinical trials: the real world!**
Laura Cortesi, Elisabetta De Matteis, Claudia Cirilli, Elisabetta Filieri¹, Annarita Pecchi, Rachele Battista, Barbara Canossi, Pietro Torricelli, Massimo Federico, Modena / I
- 67 10:40 **Potential of MR-Mammography for identification of interductual papillomas**
Matthias Dietzel¹, Pascal A.T. Baltzer², Werner A. Kaiser³, Erlangen / D, ²Vienna / AT, ³Jena / D
- 68 10:50 **MR-Mammography saves money! Really?**
Clemens G. Kaiser¹, Cornelia Reich², Klaus Wasser¹, Stefan O. Schoenberg¹, Werner A. Kaiser², ¹Mannheim / D, ²Jena / D
- 69 11:00 **CEDM is a possible replacement to MRI**
Elizabeth Morris, New York / USA
- 70 11:10 **Computer assisted diagnosis: Do we really make progress?**
Horst K. Hahn, Heinz-Otto Peitgen, Bremen / D
- 71 11:20 **MR-Mammography in China: Winning Smile?**
Fan Yang, Wuhan / RC
- 72 11:30 **Screening women at intermediate risk: harm or charm**
Pietro Panizza¹, Sara Viganò¹, Luigina Bonelli², Massimo Bazzocchi³, Paolo Belli⁴, Massimo Calabrese², Davide Caramella⁵, Stefano Corcione⁶, Alessandro Del Maschio¹, Laura Martincich⁷, Stefania Montemezzi⁸, Federica Pediconi⁴, Antonella Petrillo⁹, Francesco Sardanelli¹, Paolo Bruzzi², ¹Milano / I, ²Genova / I, ³Udine / I, ⁴Roma / I, ⁵Pisa / I, ⁶Ferrara / I, ⁷Torino / I, ⁸Verona / I, ⁹Napoli / I
- 73 11:40 **Preoperative MRI: Did randomized trials conclude the debate?**
Francesco Sardanelli, Rubina M. Trimboli, Milano / I
- 74 11:50 **Surveillance program for breast cancer which includes annual MRI from age 25**
Ulrich Bick, Berlin / D
- 12:00 **Discussion**

12:30 – 02:00 Lunch Break

Session 11: Alternatives / Combinations

Chairs: Reiko Woodhams, Simone Schading, Brian Hargreaves

- 75 02:00 **Second-look Ultrasound: Only for Biopsy or more?**
Jessica Leung, San Francisco / USA
- 76 02:10 **Clinical value of second look Ultrasound**
Alfonso Fausto¹, Donato Casella², Lucia Mantovani¹, Giovanni Giacalone¹, Luca Volterrani¹, ¹Siena / Italy, ²Florence / I
- 77 02:20 **Contrast enhanced X-Ray-Mammography using spectral imaging: better than MR?**
Fabienne Thibault¹, Corinne Balleyguier², Anne Tardivon¹, Clarisse Dromain², ¹Paris / F, ²Villejuif / F
- 78 02:30 **Dedicated PET device for Breast PET and MRI/PET correlations**
Stephen Seiler, Robert E. Lenkinski, Dallas / USA
- 79 02:40 **Breast MRI SWIFT-ultra-fast, ultra short MRI imaging**
Michael T. Nelson, J.C. Benson, T. Prescott, C. A. Corum, A. Snyder, M. Garwood, Minneapolis / USA
- 80 02:50 **Co-Registration of MR-Mammography and X-Ray-Mammography**
Matthias Dietzel¹, Pascal A.T. Baltzer², Torsten Hopp³, Nicole Ruiter³, Werner A. Kaiser⁴, ¹Erlangen / D ²Vienna / AT, ³Karlsruhe / D, ⁴Jena / D
- 81 03:00 **CEST-Imaging: A new contrast in MR-Mammography by means of chemical exchange saturation transfer**
Benjamin Schmitt¹, Siegfried Trattng¹, Heinz-Peter Schlemmer², ¹Vienna / AT, ²Heidelberg / D
- 82 03:10 **Tomosynthesis in X-Ray: proven additional value?**
Per Skaane, Oslo / N
- 83 03:20 **Staging of Breast Cancer: The role of Ultrasound**
Bruno D. Fornage, Houston / USA
- 03:30 **Discussion**

04:00 – 04:30 Coffee Break

Session 12: Future

Chairs: Bruce Daniel, Fabian Kießling

- 84 04:30 **Potential of near infrared fluorescence optical imaging in diagnostic radiology**
Ingrid Hilger, Werner A. Kaiser, Jena / D
- 85 04:40 **3D Ultrasound Computertomography of the Breast (3D USCT): a new era?**
Nicole V. Ruiter, Michael Zapf, Torsten Hopp, Robin Dapp, Ernst Kretzek, Matthias Birk, Benedikt Kohout, Hartmut Gemmeke, Karlsruhe / D
- 86 04:50 **Hyperpolarized C-13 studies of Cancer metabolism in animal models. Hype or real?**
Robert Lenkinski, Dallas / USA
- 87 05:00 **Wish list for future features of Breast MRI Computer-Aided-Evaluation**
Frederick Kelcz, Madison / USA
- 05:10 **Discussion**
- 05:30 **Final Statement**
Werner Kaiser, Jena University Hospital, Jena / D



Have the congress come to an end with the beautiful voices of Jena's boy's choir "Octavians".



06:00 End of Congress

Invitation to the Congress Dinner



Dear Friends, Colleagues and Guests,

I have the pleasure and honour to invite you to a special highlight in the congress program. You are welcomed for dinner in Jena's famous Zeiss-Planetarium.

Place: Zeiss-Planetarium Jena
Am Planetarium 5 • 07743 Jena

Date: Friday, September 28, 2012

Admission: 6:45 pm

Start: 7:30 pm

Savour a delicious banquet, take time for individual contacts and enjoy the atmosphere inside the cupola, highlighted by a laser show. The lovely saxophonist Kathrin Eipert will accompany the evening.

I am looking forward to that event.

Prof. Dr. Werner A. Kaiser
Chairman

Fairy Grottoes

We would like to invite you to experience the Fairy Grottoes in Saalfeld.



The Fairy Grottoes in Saalfeld are one of the most popular tourist attractions in Thuringia. Since 1914, the magic of the

variety of forms and colours has inspired many younger and older visitors.

The grottoes, a former alum mine in operation from 1530 to 1850, are an impressive testimony of medieval mining. The visit of the show mine is a unique adventure. The beauty of the dripstones, shimmering in more than 100 colour nuances and reminding us of the fairy's hair, gave the grottoes their name.

You may discover the three levels of the Fairy Grottoes during a guided tour. Over a distance of 550 m you learn more facts about the miners' life and the origin of the grottoes.

The temperature below ground is constantly 10°C. We recommend wearing sturdy shoes and thick clothes. Lunch will be served in the Fairy Grottoes restaurant.



Schedule on Friday, September 28, 2012

- 08:30 am** Meeting point: congress office
- 08:45 am** Bus ride to Saalfeld (approx. 50 km, 1:00 h)
Enjoy the lovely landscape and small cities
- 10:30 am** Guided tour "Fairy Grottoes"
- 12:00 pm** Lunch
- 13:30 pm** Bus ride back to Jena
- 14:45 pm** Arrival in Jena

Registration

Please register in the congress office.

Price

45,00 Euro

incl. admission and guided tour "Fairy Grottoes", lunch, bus rides

Payment

Please pay in cash in the congress office before the tour starts.

Conference Language

All lectures and presentations will be in English.

Main Lectures

Lectures on the main scientific topics will be given by invited speakers.

Poster Exhibition

A selection of posters is exhibited on the ground floor of the university main building.

Publication of Abstracts

All extended abstracts will be published as online supplement to the September issue of the „European Journal of Radiology“ (Elsevier).

Congress Venue

Scientific sessions, poster exhibition and technical exhibition will take place in the historical main building of the university:

Friedrich Schiller University
Fürstengraben 1
07743 Jena, Germany

Scientific Sessions – Schedule

Thursday	September 27, 2012	08:30 am – 06:00 pm
Friday	September 28, 2012	08:30 am – 06:00 pm
Saturday	September 29, 2012	08:30 am – 06:00 pm

Registration Counter / Congress Office

Please register on arrival at the counter. The congress material will be available at the registration counter located on the ground floor of the university building.

Office Phone: +49 (0) 3641-9 41895
Office Fax: +49 (0) 3641-9 41889

Opening hours

		<i>Registration Counter</i>	<i>Congress Office</i>
Thursday	September 27, 2012	07:30 am – 10:00 am	07:30 am – 06:00 pm
Friday	September 28, 2012	07:30 am – 10:00 am	07:30 am – 06:00 pm
Saturday	September 29, 2012	07:30 am – 10:00 am	07:30 am – 06:00 pm

Registration

Please use the online service for registration: www.idir.uniklinikum-jena.de/mrm2012.html

Payment

Please pay in advance by bank transfer:

Hypovereinsbank Jena
Bank code: 830 200 87
Account No: 357602904
IBAN: DE 20830200870357602904
SWIFT CODE: HYVEDEMM 463
Note to payee: 849446 MRM 2012 + Your Name

Registration Fee

Congress Ticket:

Heads of Departments, Radiologists in Private Practice, Industry Members: 550,00 Euro
Residents, Fellows: 400,00 Euro

Single-Day Ticket:

Heads of Departments, Radiologists in Private Practice, Industry Members: 250,00 Euro
Residents, Fellows: 195,00 Euro

Certification

In cooperation with the
Academy for Continuing Medical Education in Radiology.



Participation September 27-29, 2012
CME Credit Points: 27 points, category I
LÄK¹ Thüringen: 27 points of category A

¹Landesärztekammer Thüringen (Medical Society of Thuringia)

September 27, 2012	9 points
September 28, 2012	9 points
September 29, 2012	9 points

Please register every morning at the counter to receive full points.

Lunch & Refreshments

Drinks and snacks will be available in the foyer area during the coffee breaks.
Lunch is included in the registration fee and will be served in the cafeteria in the university building. Please show your luncheon voucher which is included in the congress map.

Congress Dinner

Participation in the congress dinner in the Zeiss-Planetarium Jena on Friday, September 28, 2012 is included in the registration fee • Admission: 06:45 pm • Start: 07:30 pm

Hotel Accommodation

Please make your own hotel reservation:

Jena Tourist Information
Phone: +49 3641 498066
Fax: +49 3641 498055
E-mail: zimmer@jena.de
Please mention: MR-Mammography 2012

You can also find a reservation form on www.idir.uniklinikum-jena.de/mrm2012.html.

Organization

Jena University Hospital
Institute of Diagnostic and Interventional Radiology I
Mrs. Margret Hoppert
Erlanger Allee 101 • 07747 Jena, Germany
Phone: +49 3641 9-324805
Fax: +49 3641 9-324802
E-mail: mrm2012@med.uni-jena.de

City Map



Important Addresses

- University Main Building • Fürstengraben 1 • 07743 Jena
- Hotel "Schwarzer Bär" • Lutherplatz 2 • 07743 Jena
- Restaurant "Scala" • Leutragraben 1 • 07743 Jena
- Zeiss-Planetarium Jena • Am Planetarium 5 • 07743 Jena

Nearest public parking lots

- Lutherplatz (access via „Am Anger“)
- Eichplatz (access via "Kollegiengasse")

Nearest tram lines

- 1 • 4 (stop "Universität")
- 2 • 3 (stop "Steinweg")

Nearest bus lines

- 15 • 484 (stop "Universität")



Acknowledgement

The organizers would like to thank the Principal of the Friedrich Schiller University as well as the Administration of the Jena University Hospital for their support of the “Sixth International Congress on MR-Mammography”.

We would like to express our special thanks to the following companies for their **sponsorship** to organize the congress (as per date of print):

Main Sponsors

Siemens AG



Bayer Pharma AG



Sponsors

NORAS MRI products GmbH



GE Healthcare Buchler GmbH & Co. KG



Supporters

AJZ Engineering GmbH



Devicor Medical Germany GmbH



The **technical exhibition** is an integrated part of the MRM congress 2012. The participating companies will exhibit their latest technology in the field of MR-Mammography. The technical exhibition will take place in the foyer of the university main building.

The following exhibitors will participate (as per date of print):

- Bayer Pharma AG
- Devicor Medical Germany GmbH
- GE Healthcare Buchler GmbH & Co. KG
- NORAS MRI products GmbH
- Siemens AG

Legal Notice

Jena University Hospital
Represented by the Executive Board
Organizer: Institute of Diagnostic and Interventional Radiology I
Director: Prof. Dr. Werner A. Kaiser
Bachstr. 18
07743 Jena, Germany





**Universitätsklinikum
Jena**



**Institute of Diagnostic and
Interventional Radiology I**