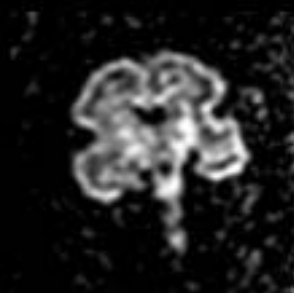
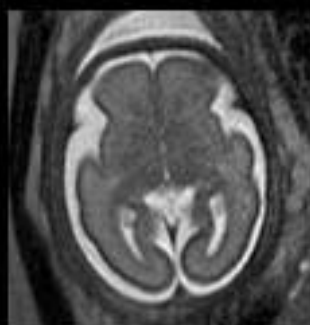


PROGRAM FETAL MRI COURSE AND CONGRESS



VIENNA, May 11th-13th 2006

PHILIPS



Dear participants of the second interdisciplinary course and first international congress on fetal MRI,

fetal Magnetic Resonance Imaging has become an important source of information about normal and abnormal intrauterine development. The purpose of this event is to determine the relevance of this new method from different points of view, to inform about the state of the art, and to give insights into future applications.

In addition, it is my concern to bring differently specialized people together who are engaged in the fields of prenatal diagnosis and fetal development.

I hope you will enjoy not only the course and scientific program, but also avail yourself of the opportunity of communication with others. The beautiful ambiance of the Viennese Museum of Natural History, and of springtime Vienna will provide an encouraging environment.

Welcome to the Viennese fetal event

Daniela Prayer

2nd Fetal MRI-Course, May 11th 2006

1st Fetal MRI Congress, May 12th-13th 2006

Course: Invited Speakers

*Kling Chong, London, UK
Jan Deprest, Leuven, Belgium
Nadine Girard, Marseille, France
Christa Einspieler; Heinz Prechtl, Graz, Austria
Kurt Hecher, Hamburg, Germany
Milos Judas, Zagreb, Croatia
Gustavo Malinger, Tel Aviv, Israel*

Congress: Invited speakers

*Markus Hengstschläger, Vienna, Austria
Ernst Horcher, Vienna, Austria
Ulrike Wedegaertner, Hobe Schroeder, Hamburg, Germany*

Faculty for Course and Congress

*Peter C Brugger, Medical University of Vienna, Austria
Gregor Kasprian, Medical University of Vienna, Austria
Daniela Prayer, Medical University of Vienna, Austria
Alexander Rokitansky, Danube Hospital Vienna, Austria*

Venue:

Natural History Museum, Burgring 7, 1014 Vienna
Contact/Information: daniela.prayer@meduniwien.ac.at
See map last page

Thursday, May 11th, Fetal MRI Course, Morning

07:30	Registration	
08:15	Welcome address	
08:30	Session I	Chair: Peter Husslein, Vienna/Austria
08:30-09:00	Basic methods and new methods of fetal MRI	Peter C Brugger, Vienna/Austria
09:00-09:30	Fetal CNS anatomy on US and MRI	Gustavo Malinger, Tel Aviv/Israel, Daniela Prayer, Vienna/Austria
09:30-09:50	The laminar organization of the fetal Brain	Milos Judas, Zagreb/Croatia
09:50-10:15	MRI of fetal CNS malformations	Peter C Brugger, Vienna/Austria
10:15-10:25	Discussion	
10:25-10:45	Break	
10:45	Session II	Chair: Heinz Prechtl, Graz/Austria
10:45-11:05	Prechtl's assessment of fetal movements	Christa Einspieler, Graz/Austria
11:05-11:20	Fetal neurology: ultrasound and MRI	Gustavo Malinger, Tel Aviv/Israel, Daniela Prayer, Vienna/Austria
11:20-11:35	Fetal MRI of acquired pathologies	Daniela Prayer, Vienna/Austria
11:35-12:00	Fetal MRS of normal & pathological brain development	Nadine Girard, Marseille/France
12:00-12:25	Dating prenatal and perinatal damage	Kling Chong, London/UK
12:25-12:35	Discussion	
12:35- 13:35	Lunch	

Thursday, May 11th, Fetal MRI Course, Afternoon

13:35	Session III	Chair: Marcus Hoermann, Vienna/Austria
13:35-14:00	Extra-CNS fetal anatomy on US and MRI	Erich Hafner, Peter C Brugger, Vienna/Austria
14:00-14:25	US and MRI of the pathological fetal gastrointestinal and urogenital tract	Erich Hafner, Marcus Hoermann, Vienna/Austria
14:25-14:40	US of the fetal esophagus	Gustavo Malinger, Tel Aviv/Israel
14:40-15:05	Normal & pathological lung development on fetal MRI	Gregor Kasprian, Vienna/Austria
15:05-15:15	Discussion	
15:15-15:35	Break	
15:35	Session IV	Chair: Elisabeth Krampfl, Vienna/Austria
15:35-16:00	Intrauterine treatment of CDH	Jan Deprest, Leuven/ Belgium
16:00-16:25	Surgery of the newborn gastrointestinal tract	Ernst Horcher, Vienna/Austria
16:25-16:40	FFTS: Facts and figures	Elisabeth Krampfl, Vienna/Austria
16:40-16:55	FFTS: Ultrasound and Doppler	Kurt Hecher, Hamburg/Germany
16:55-17:10	FFTS: MRI	Peter C Brugger, Vienna/Austria
17:10-17:25	FFTS: Treatment options	Kurt Hecher, Hamburg/Germany
17:25-17:35	Discussion	
DFP/CME credits for the course: 10		
18:00	Cocktail on the roof of the Museum of Natural History	

Friday, May 12th, Fetal MRI Congress, Morning

08:00 **Registration**

08:25 **Welcome**

08:30 **1 Fetal MRI and Genetics** **Chair:**
Arnold Pollak, Vienna/Austria,
Liat Ben-Sira, Tel-Aviv/Israel

08:30-08:50	Fetal MRI and human genetics	Markus Hengstschläger, Vienna/Austria
08:50-09:05	Diagnosis of fetal central nervous system abnormalities	Lou Pistorius, P. Stoutenbeek, F. Groenendaal, H. Torrance, G. Visser Utrecht/The Netherlands
09:05-09:20	Prenatal MRI in the diagnosis of malformations of cortical development	Liat Ben-Sira, E. Miller, Y. Hachohen, T. Sagie, G. Malinger, Tel Aviv/Israel

09:20 **2 Fetal MRI:
New methods and applications**

09:20-09:35	A preferable MRI protocol for the fetus with non-CNS abnormality	Kyoko Kashima, Tokyo/Japan
09:35-09:50	MRI of the fetal gallbladder and bile	Peter C. Brugger, D. Prayer Vienna/Austria
09:50-10:05	Fetal MRI of the femur – preliminary results	Gustavo Malinger, P. C. Brugger, D. Prayer, Tel Aviv/Israel, Vienna/Austria

10:05-10:30 **Break**

Friday, May 12th, Fetal MRI Congress, Morning

10:30 **Fetal Brain Development** **Chair:**
Christian Herold, Vienna/Austria
Elspeth H. Whitby, Sheffield/UK

10:30-10:45	Fetal MRI cerebral development	Christina Parazzini, A Righini., E. Bianchini, S Zirpoli., F. Triulzi, Milan/Italy
10:45-11:00	Fetal onset of general movements	Hanneke de Vries, A. Luechinger, Amsterdam/Netherlands
11:00-11.15	Ultrafast prenatal MRI of the normal fetal posterior fossa: A comparison with ultrasound imaging at the same gestational age.	James R Eames, Griffiths PD, Davies NP, Whitby EH, Sheffield/UK
11:30-11:45	MR-assesment of the maturation of the Rolandic region in the fetal brain – an in-vivo study	Neriman Zahalka, P. C. Brugger, G. Kasprian, R. Tepper, D. Prayer, Tel Aviv/Israel, Vienna/Austria
11:45-12:00	Cerebral asymmetry in the human fetus	Gregor Kasprian, P. C. Brugger, D. Prayer, Vienna/Austria

12:00-13:30 **Lunch**

Friday, May 12th, Fetal MRI Congress, Afternoon

Experimental Fetal MRI / NHM

Parallel: Hands On Workshop at DZU

13:30	Experimental Fetal MRI	Chair: Hanneke DeVries Amsterdam/The Netherlands, Hobe Schröder Hamburg/Germany
13:30-13:50	Bold imaging in the brain of fetal sheep	Ulrike Wedegärtner, Hamburg/Germany
13:50-14:05	Relationship between brain BOLD signal intensities and hemoglobin oxygen saturation in brain and arterial blood of fetal sheep.	Hobe J. Schröder, U. Wedegärtner, M. L Tchirikov, Hamburg/Germany
14:05-14:25	Tomographic ultrasonic imaging (TUI), a link for comparison with MRI	Alfred Kratochwil, Vienna/Austria
14:25-14:40	Does vibration emitted by 3D scanner change fetal behaviour?	Andreas Lee, A. Williamson, S. Sinnott, Herston/Australia
14:40-14:55	Fetal brain imaging (FBI study)	Lou Pistorius, F.P.H.A. Vandebussche, J.I.P. de Vries Utrecht/Leiden/ Amsterdam/ The Netherlands
14: 55-15.10	Fetal MRI – What is our Gold Standard	Elspeth H. Whitby, M. N. Paley, J. Morris, P. D. Griffiths, Sheffield/ UK
15:10-15:40	Break	

Friday, May 12th, Fetal MRI Congress, Afternoon

15:40	Free communications	Chair: Herwig Imhof , Vienna/ Austria Wesley Lee , Royal Oak /USA
15:40-15:55	Survival Analysis in the statistical description of fetal brain development	Michael Weber, G. Kasprian, Vienna/Austria
15:55- 16:10	Women's perceptions of fetal Magnetic Resonance Imaging	Katharina Leithner-Dziubas, S. Pörnbacher, M. Fischer-Kern, H. Löffler-Stastka, E. Ponocny-Seliger, D. Prayer, Vienna/Austria
16:10-16:25	Magnetic Resonance Imaging (MRI) of the Urethra in Continent Pregnant Women	Oliver Preyer, T. Laml, P. C. Brugger, D. Prayer, W. Umek, Vienna/Austria
16:25	Case discussions	Chair: Gustavo Malinger Tel Aviv/Israel
16:25-16:55	5 case discussions	

DFP/CME credits for the congress: 13

Social program, sponsored by GE Medical Systems

(please register on-site)

19:00	Cocktail Portikus of Café Restaurant Halle (Halle E Museumsquartier) Museumsplatz 1,1070 Wien
19:30	45 min guided tour Sammlung Leopold, Museumsquartier
20:15	Dinner Buffet Portikus, Café Restaurant Halle - open end

Friday, May 12th, Fetal MRI Congress, Afternoon

Hands-on workshop on Friday 12th in 4 groups, assignment to your group at registration!

Group I	14:00-15:00
Group II	15:00-16:00
Group III	16:00-17:00
Group IV	17:00-18:00

DFP/CME credits for the workshop: 6

Venue:

Diagnosezentrum Urania (DZU), Laurenzerberg 2, 1010 Wien



How to get there: Bus 2A: stop: Burgring (turn left from the exit of the museum), to stop: Schwedenplatz (10-15 minutes).

Saturday, May 13th, Fetal MRI Congress, Morning

08:00	Registration	
08:30	Malformation syndromes	Chair: Alfred Kratochwil Vienna/Austria Elna-Marie Larsson Lund/Sweden
08:30-08:45	In utero MR imaging of the fetal spine	Elspeth H. Whitby, M. N. J. Paley, E. Widjaja, P. D. Griffiths Sheffield/UK
08:45-09:00	In utero MR for fetal ventriculomegaly: A range of improved diagnostic accuracy	Elspeth H. Whitby, P. D. Griffiths, J. E. Morris, M. N. J. Paley, E. Widjaja, Sheffield/UK
09:00-09:15	Reversible ventriculomegaly in monozygotic twins	Elisabeth Krampfl, M. Stammer -Safar, P. C. Brugger, D. Prayer, Vienna/Austria
09:15-09:30	Preterm birth and disruptive cerebellar development: Assessment of morphological patterns and perinatal risk factors	Agnes Messerschmidt, P. C. Brugger, E. Boltshauser, R. Birnbacher, G. Zoder, W. Sterniste, D. Prayer Vienna/Austria
09:30-09:50	An update on post-mortem MR imaging of the fetus and early experience of imaging at 3.0T	Elspeth H. Whitby, M. N. J. Paley, P. D. Griffiths Sheffield/UK
09:50-10:20	Break	
10:20	Posterpresentations and award of Philips poster prizes	Chair: Erin Simon-Schwartz, Philadelphia/ USA
10:20-10:30	Poster 3 rd prize	
10:30-10:40	Poster 2 nd prize	
10:40-10:50	Poster 1 st prize	

Saturday, May 13th, Fetal MRI Congress, Morning

10:50	Fetal MRI and Surgery	Chair: Ernst Horcher , Vienna/ Austria, Andreas Lee Herston/Australia
10:50-11:05	Antenatal MRI lung volume measurement in fetuses with congenital diaphragmatic hernia (CDH): interrater-based evaluation of measurement accuracy	Karen A. Büsing, A. K. Kilian, T. Schaible, A. Debus, K. W. Neff, Heidelberg/Germany
11:05-11:20	MRI investigation of normal fetal lung maturation using signal intensities on different imaging sequences	Csilla Balassy, G. Kasprian, P. C. Brugger, B. Csapo, M. Hörmann C. Mittermayer, D. Prayer, Vienna/Austria
11:20-11:35	Relative Increase in Lung Volume in Fetuses with Congenital Diaphragmatic Hernia treated by Fetoscopic endoluminal tracheal occlusion	Mieke Cannie, J. Jani, D. van Schoubroeck, F. de Keyzer, J. Deprest, S. Dymarkowski, Leuven/Belgium
11:35-11:50	Surgery of lung – malformations	Alexander Rokitansky Vienna/Austria
11:50-12:05	Fetal MRI of urinary tract anomalies	Linde Witzani, M. Hörmann, P. C. Brugger, D. Prayer, Vienna/Austria
12:05-12:20	Surgery of Urinary Tract – Malformations	Elisabeth Frigo, Vienna/Austria
12:20-13:00	Farewell and Boxlunch	

Posters

Poster No	Title	Authors
01	Supratentorial predominantly minigemistocytic tumors in two infants: malignant glioma or PNET?	C. Haberler, I. Slavc, T. Czech, D. Prayer, C. Pirker, H. Budka, J. A. Hainfellner, Vienna/Austria
02	Reversible ventriculomegaly in monochorionic twins	E. Krampl, M. Stammli-Safar, P. C. Brugger, D. Prayer, Vienna/Austria
03	Prenatal diagnosis of Apert syndrome	B. Mihatsch, P. C. Brugger, E. Krampl, Vienna/Austria
04	Cystic space-occupying lesion of the oral cavity	D. Blondin, J. Schaper, R. Hammer, U. Mödder, M. Cohnen, Düsseldorf/Germany
05	Preterm infant with nasofrontal encephalocele - imaging, clinical course and short term outcome	C. Mittermayer, K. Klebermass, M. Olischar, T. Czech, F. Watzinger, D. Prayer, M. Weninger, A. Pollak, Vienna/Austria
06	Diffusion-weighted MR imaging of the normal fetal lung	C. Balassy, G. Kasprian, P. C. Brugger, B. Csapo, M. Hörmann, C. Mittermayer, D. Prayer, Vienna/Austria
07	Fetal MR in the evaluation of abdominal and gastrointestinal tract pathology	C. Martín, A. Darnell, C. Escofet, A. Luttich, A. Martín, M. Prenafeta, Sabadell/Spain
08	Colonography of the fetus using Magnetic Resonance Imaging	P. C. Brugger, C. Mittermayer, C. Herold, D. Prayer, Vienna/Austria
09	Preliminary findings in assessing anal atresias with fetal and postnatal Magnetic Resonance Imaging	U. Tonnhofer, P. C. Brugger, E. Horcher, M. Hörmann, D. Prayer, Vienna/Austria
10	One-step correction of a long-gap-esophageal-atresia: diagnosis and treatment	R. Stanek, A. M. Rokitansky, Vienna/Austria
11	Fetal MR Imaging of urinary tract abnormalities	E. Miller, M. Davidovitch, L. Ben-Sira, Tel-Aviv/ Israel
12	Renal enlargement in congenital diaphragmatic hernia? - An in-vivo MRI-study in fetuses.	L. Witzani, G. Kasprian, P. C. Brugger, D. Prayer, Vienna/Austria
13	Placenta accreta/increta	K. Chalubinski, H. Helmer, Vienna/Austria
14	Prenatal diagnosis of adnexal tumors in pregnancy	E. Witschko, G. Sliutz, D. Prayer, K. Chalubinski, Vienna/Austria

Invited speakers and Chairpersons

Liat Ben-Sira, MD, Pediatric-Roentgenology Department, Dana Children's Hospital, Tel-Aviv Sourasky Medical Center, Sackler Faculty of Medicine, Tel-Aviv University, Tel-Aviv, Israel

Kling Chong, MD, Great Ormond Street Hospital, University College London/ UK

Jan Deprest, MD, Fetal Medicine Unit of the Department of Obstetrics and Gynaecology, University Hospital Gasthuisberg, Leuven, Belgium

DeVries Johanna, I. P., MD, Department of Obstetrics Vrije Universiteit Medical Center, Institute for Fundamental and Clinical Human Movement Sciences, Amsterdam, The Netherlands

Elisabeth Frigo, MD, Department of Pediatric Surgery, Danube Hospital Vienna, Austria

Nadine Girard, MD, Service de Neuroradiologie, Assistance Publique-Hôpitaux de Marseille, Hôpital la Timone, Université de la Méditerranée, Marseille, France

Christa Einspieler, PhD, Section Developmental Physiology and Developmental Neurology, Institute of Physiology, Center for Physiological Medicine, Medical University of Graz, Austria

Kurt Hecher, MD, Department of Obstetrics and Fetal Medicine, University Medical Center Hamburg-Eppendorf (UKE), Hamburg, Germany

Markus Hengstschläger, PhD Medical Genetics, Obstetrics and Gynecology, Medical University of Vienna, Vienna, Austria

Christian Herold, MD, University Clinics of Radiodiagnostics, Medical University of Vienna, Vienna, Austria

Ernst Horcher, MD, Department of Pediatric surgery, Medical University of Vienna, Vienna, Austria

Peter Husslein, MD, University Clinics of Obstetrics and Gynecology, Medical University of Vienna, Vienna, Austria

Herwig Imhof, MD, University Clinics of Radiodiagnostics, Medical University of Vienna, Vienna, Austria

Milos Judas, MD, Section for Developmental Neuroscience, Croatian Institute for Brain Research, Zagreb, Croatia

Elisabeth Krampfl, MD, University Clinics of Obstetrics and Gynecology, Medical University of Vienna, Vienna, Austria

Alfred Kratochwil, MD, Department of Radiotherapy, Medical University of Vienna, Vienna, Austria

Elna-Marie Larsson, MD, PhD, Department of Neuroradiology, Center for Medical Imaging and Physiology, Lund University Hospital, Lund, Sweden

Andreas Lee, MD, Royal Womens Hospital, Herston, Australia

Wesley Lee, MD, Division of Fetal Imaging, William Beaumont Hospital, Royal Oak, Michigan, USA

Gustavo Malinger, MD, Department of Obstetrics and Gynecology, Fetal Neurology Clinic, Wolfson Medical Center, Holon, Tel-Aviv University, Tel-Aviv, Israel

Arnold Pollak, MD, Department of Neonatology and Paediatric Intensive Care, University Children's Hospital, Medical University of Vienna, Vienna, Austria

Heinz Prechtl, PhD, Section Developmental Physiology and Developmental Neurology, Institute of Physiology, Center for Physiological Medicine, Medical University of Graz, Austria

Alexander Rokitansky, MD, Department of Pediatric Surgery, Danube Hospital Vienna, Austria

Hobe Schröder, PhD, Department of Diagnostic and Interventional Radiology, University Medical Center, Hamburg-Eppendorf, Hamburg, Germany

Erin Simon-Schwartz, MD, Department of Radiology, University of Pennsylvania School of Medicine, Philadelphia, USA

Ulrike Wedegärtner, MD, Department of Diagnostic and Interventional Radiology, University Medical Center, Hamburg-Eppendorf, Hamburg, Germany

Elsbeth Whitby, MD, Section of Academic Radiology, University of Sheffield, Royal Hallamshire Hospital, Sheffield, UK

Registration

Fees/ arrangement	MD, PhD	Technologist
1. <i>Course without Hands-on workshop</i>	€ 200	€ 150
2. <i>Course with Hands-on workshop</i>	€ 250	€ 200
3. <i>Congress without Hands-on workshop</i>	€ 200	€ 150
4. <i>Congress with Hands-on workshop</i>	€ 250	€ 200
5. <i>Course & Congress without Hands-on workshop</i>	€ 250	€ 200
6. <i>Course & Congress with Hands-on workshop</i>	€ 300	€ 250
7. <i>Hands-on workshop only</i>	€ 100	€ 50

Fees include abstracts, coffee breaks, lunches, welcome reception on the roof of the museum **and evening event on Friday**
Members of the Austrian Society of Perinatology pay € 40 less of all fees.

Please understand that registration will be only valid after full payment is received.

Please find Registration forms on: <http://www.perinatal.at>

On-site registration possible

Payments to:

"Fetal MRI 2006", BAWAG

Account number: 01310-031-689, BLZ: 14000

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Please indicate the number of your arrangement (1-7) on the payment form.

Evening Event on Friday: please register!

Hotel reservation:

Österreichisches Verkehrsbüro

Eva-Maria Adler

Tel: + 43 1 58800-164

Fax: + 43 1 58800-188

e-mail: eva.maria.adler@eurotours.at

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