Diseases of the Brain, Head and Neck, Spine
April 3 – 8, 2016
Davos, Switzerland

An Interactive Course in Diagnostic Imaging

Pediatric Radiology Satellite Course “Kangaroo”: April 2, 2016
Breast Imaging Satellite Course “Pearl”: April 2, 2016
General Concept and Course Objectives

The course objectives are to review and discuss effective approaches to diagnosis and specific interventions in neuroradiology.

Workshops
The participants will attend 20 of 21 different workshops covering the medical imaging approach to the diagnosis of the diseases of the brain, head and neck, spine. The instruction is in groups of approximately 50–60 participants. During workshops, participants first get a brief introduction to the subject and then study case material prepared by the instructors.

The participants are encouraged to bring their own laptop (PC or Mac) for case viewing and will get the relevant case files on a USB stick. For participants not bringing their own laptop, classrooms will be equipped with a sufficient number of computers for individual viewing of the cases in small groups of 3 participants (an extra fee will be charged). The case viewing is supported by a special software, uniquely developed for IDKD and drawing from the extensive expertise with electronic teaching.

Finally, the instructors guide through the cases, discuss different diagnoses, present additional material and ask pertinent questions to the participants, thus allowing active interaction.

Lectures on “Hot Topics” and Diagnostic Dilemmas
The Rüttimann Lecture is presented on Sunday. Highlight and Special lectures presented daily by experts on “hot topics”, new developments or political issues in radiology and associated sciences including interventional techniques will complete the educational program.

Film Reading Panel
A diagnostic competition open to all participants and teachers, based on selected cases with answers. Quiz answers need to be handed in at the Quiz Corner by Wednesday noon prior to the Film Reading Panel. Prizes will be awarded to the participants with the best answers. We believe, that answering the quiz is an individual accomplishment and therefore reserve the right to exclude very similar answers from the competition.

Course Syllabus
The Syllabus containing the condensed version of the presented workshops is included in the registration fee. IDKD participants will receive a printed version as well as the file on their USB stick.

IDKD online cases
IDKD offers access to two well-documented cases per teacher in the IDKD online database. Each participant will be able to access the database with their IDKD user name and password.

IDKD on the Internet
Information about IDKD activities is constantly updated. Please visit our website at www.idkd.org

Exhibition
Booths of selected imaging industries and one bookseller.

Course and Teacher Evaluation
The IDKD is continuously investing in organization, e-facilities and teaching. To help us refine and improve the level of the International Diagnostic Course Davos, the organizers would greatly appreciate your taking a few moments to complete the course evaluation.

The USB sticks will contain a link to online evaluation forms for workshops, lectures, and courses in general.

Satellite Courses
Nuclear Medicine Satellite Course “Diamond”
6 workshops on Nuclear Medicine. IDKD Highlight Lectures on Sunday, April 3, are part of the Nuclear Medicine Satellite Course program.

Pediatric Radiology Satellite Course “Kangaroo”
4 workshops on specific aspects of Pediatric Imaging.

Breast Imaging Satellite Course “Pearl”
4 workshops and a Highlight Lecture on specific aspects of Breast Imaging.

CME Credits:
see also page 20

IDKD Course:
EACCME:
35 hours of European external CME credits
Swiss Society of Radiology:
42 category 1 points
For participants from Germany: Academy for Continuing Medical Education in Radiology:
35 CME-points, category 1

Nuclear Medicine Course “Diamond”:
EACCME:
9 hours of European external CME credits
Swiss Society of Radiology:
11 category 1 points
Swiss Society of Nuclear Medicine:
10 category 1 points
This event is under the auspices of EANM

Pediatric Radiology Course “Kangaroo”:
EACCME:
6 hours of European external CME credits
Swiss Society of Radiology:
6 category 1 points
Swiss Society of Pediatric Radiology:
6 CME 1 points

Breast Imaging Course “Pearl”:
EACCME:
6 hours of European external CME credits
Swiss Society of Radiology:
6 category 1 points
Swiss Society of Gynecology and Obstetrics:
7 points
Organization

International Diagnostic Course Davos
Course Directors
Jürg Hodler, Zurich
Rahel A. Kubik-Huch, Baden
Gustav K. von Schulthess, Zurich

International Advisor
Elmar M. Merkle, Basel

Satellite Course Advisors
Thierry A. G. M. Huisman, Baltimore, MD, USA
(Pediatric Radiology)
Rahel A. Kubik-Huch, Baden
(Breast Imaging)
Gustav K. von Schulthess, Zurich
(Nuclear Medicine)

Neuro Advisors
Frederik Barkhof, NL
Walter Kucharczyk, CA

Online Case Editor
Fabian Morsbach, Zurich

Course Management
Maria Tsiplakova Vögeli

Faculty Addresses

Foundation for the Advancement of Education in Medical Radiology
Chairman
Christoph Schmid, Zurich

Members
Thomas Kehl, Davos-Clavadel
Brigit Läubli, Zurich
Walter Weder, Zurich
Christoph L. Zollikofer, Kilchberg (Zurich)

Frederik Barkhof, MD
VU Medical Center
Department of Radiology and Nuclear Medicine
NL-1007 MB Amsterdam
f.barkhof@vumc.nl

Timothy Beale, MD
University College Hospital London
Department of Radiology
GB-NW1 2BU London
timbeale@fastmail.fm

Michael Brant-Zawadzki, MD
Hoag Hospital
US-92658 Newport Beach, CA
mbrant@hoaghospital.org

Jens Bremerich, MD
University of Basel Hospital
Department of Radiology and Nuclear Medicine
CH-4031 Basel
jens.bremerich@usb.ch

Patrick A. Brouwer, MD
Karolinska University
Dept. of Interventional Neuroradiology
SE-171 76 Stockholm
inrnnn@gmail.com

James V. Byrne, MD
John Radcliffe Hospital, University of Oxford
Department of Neuroradiology
GB-OX3 9DU Oxford
james.byrne@nds.ox.ac.uk

Jan W. Casselman, MD
AZ St-Jan Brugge AV
Department of Radiology
BE-8000 Brugge
jan.casselman@azsintjan.be

W. Kling Chong, MD
Great Ormond Street Hospital for Children
Department of Radiology
GB-WC1N 3JH London
Kling.Chong@gosh.nhs.uk

Hugh D. Curtin, MD
Massachusetts Eye and Ear Infirmary
Department of Radiology
US-02114 Boston, MA
hugh_curtin@meei.harvard.edu

Philippe Demaerel, MD
University Hospital K. U. Leuven
Department of Radiology
BE-3000 Leuven
Philippe.Demaerel@uzleuven.be

Diederik W.J. Dippel, MD
Erasmus MC University Medical Center Rotterdam
Department of Neurology
NL-3000 CA Rotterdam
d.dippel@erasusmc.nl

Alexander Drzezga, MD
University Hospital of Cologne
Department of Nuclear Medicine
DE-50937 Cologne
alexander.drzezga@uk-koeln.de
Faculty Addresses

E
Marco Essig, MD
University of Manitoba
Winnipeg Regional Health Authority
Department of Radiology
CA-R3A 1R9 Winnipeg, MB
messig@exchange.hsc.mb.ca

Girish M. Fatterpekar, MD
NYU Langone Medical Center
Section of Neuroradiology
US-10016 New York, NY
girish.fatterpekar@nyumc.org

Adam E. Flanders, MD
Thomas Jefferson University Hospital
Department of Radiology
US-19107-5244 Philadelphia, PA
adam.flanders@jefferson.edu

F
Marco Essig, MD
University of Manitoba
Winnipeg Regional Health Authority
Department of Radiology
CA-R3A 1R9 Winnipeg, MB
messig@exchange.hsc.mb.ca

Girish M. Fatterpekar, MD
NYU Langone Medical Center
Section of Neuroradiology
US-10016 New York, NY
girish.fatterpekar@nyumc.org

Adam E. Flanders, MD
Thomas Jefferson University Hospital
Department of Radiology
US-19107-5244 Philadelphia, PA
adam.flanders@jefferson.edu

G
Jan Gralla, MD
Insel Bern University Hospital
Department of Diagnostic and Interventional Radiology
CH-3010 Bern
jan.gralla@insel.ch

P. Ellen Grant, MD
Boston Children’s Hospital
Department of Radiology
US-02115 Boston, MA
ellen.grant@childrens.harvard.edu

H
John R. Hesselink, MD
UCSD Medical Center
Department of Radiology
US-92103-8749 San Diego, CA
jhesselink@ucsd.edu

Jenny Hoang, MD
Duke University School of Medicine
Department of Neuroradiology
US-27703 Durham, NC
jennykh@gmail.com

Christoph Hock, MD
University of Zurich
Vice-Rector Medicine and Natural Sciences
CH-8001 Zurich
prorektor@mnw.uzh.ch

Thierry A. G. M. Huisman, MD
Johns Hopkins Hospital
Division of Pediatric Radiology
US-21287 Baltimore, MD
thuisma1@jhmi.edu

Martin Hüllner, MD
University Hospital Zurich
Clinic of Nuclear Medicine
CH-8091 Zurich
martin.huellner@usz.ch

J
Rolf Jaeger, MD
The National Hospital for Neurology and Neurosurgery
and University College Hospital (UCH)
Institute of Neurology
GB-WC1N 3BG London
r.jager@ucl.ac.uk

K
Edmond A. Knopp, MD
Zwanger-Pesiri Radiology
US-11757 Lindenhurst, NY
eknopp@zwangerpesiri.com

Kelly K. Koeller, MD
Mayo Clinic
Department of Radiology
US-55905 Rochester, MN
koeller.kelly@mayo.edu

Timo Krings, MD
Toronto Western Hospital &
University Health Network
Department of Medical Imaging and Surgery
CA-M5T 2S8 Toronto, ON
timo.krings@uhn.on.ca

Walter Kucharczyk, MD
University of Toronto
Department of Medical Imaging
CA-M5S 1A8 Toronto, ON
w.kucharczyk@utoronto.ca

L
Jan Law, MD
The Copenhagen University Hospital
Department of Clinical Physiology,
Nuclear Medicine, & PET
DK-2100 Copenhagen
ilaw@pet.rh.dk

M
Martin G. Mack, MD
Radiologie München
Diagnostic Radiology
DE-80331 Munich
m.mack@radiologie-muenchen.de

Mary E. Jensen, MD
University of Virginia Health System
Department of Radiology
US-Charlottesville, VA 22908
mej4u@virginia.edu

Pia Malin Sundgren, MD
Lund University
Center for Medical Imaging and Physiology
Department of Diagnostic Radiology,
Clinical Sciences
Skåne University Hospital
SE-221 85 Lund
pia.sundgren@med.lu.se

Michael J. Michell, MD
King’s Breast Radiology and
National Training Centre
King’s College Hospital Foundation Trust
GB-SE5 9RS, London
michael.michell@nhs.net

David J. Mikulis, MD
The University of Toronto
The University Health Network
The Toronto Western Hospital
Department of Medical Imaging
CA-M5T 2S8 Toronto, ON
mikulis@mednet.utoronto.ca

Michael T. Modic, MD
Cleveland Clinic Lerner College of Medicine
Neurological Institute
US-44195 Cleveland, OH
modicm1@ccf.org

Elizabeth A. Morris, MD
Memorial Sloan-Kettering Cancer Center
Breast Imaging Service
US-10065 New York, NY
morrisse@mskcc.org

Alexander Mundinger, MD
Marienhospital Osnabrück
Radiology Clinic
DE-49074 Osnabrück
alexander.mundinger@mho.de
Faculty Addresses

N
Daniel Nanz, PhD
University Hospital Zurich
Institute for Diagnostic and Interventional Radiology
CH-8091 Zurich
daniel.nanz@usz.ch

Jeffrey S. Ross, MD
Mayo Clinic Arizona
Department of Radiology
Division of Neuroradiology
US-85054 Phoenix, AZ
jsruatr@aol.com

Andrea Rossi, MD
G. Gaslini Children’s Hospital
Department of Neuroradiology
IT-16147 Genoa
andrearossi@ospedale-gaslini.ge.it

Alex Rovira, MD
Vall d’Hebron Hospital
Department of Neuroradiology
ES-08035 Barcelona
alex.rovira@idi.gencat.cat

Howard A. Rowley, MD
University of Wisconsin
Neuroradiology
US-53792 Madison, WI
HRowley@UWHealth.org

S
Malgorzata Szczero-Trojanowska, MD
Medical University of Lublin
Department of Interventional Radiology and Neuroradiology
PL-20-090 Lublin
malgorzataszczerbo@umlub.pl

James G. Smirniotopoulos, MD
George Washington University
US-20052 Washington, DC
medpixman@gmail.com

Lars Stenberg, MD
Lund University Hospital
Department of Medical Imaging and Physiology
SE-22185 Lund
Lars.Stenberg@skane.se

Klaus Tatsch, MD
Medical University of Tobacco
Clinic of Nuclear Medicine
DE-76133 Karlsruhe
Klaus.Tatsch@klRKU-9US.de

Majda Thurnher, MD
Medical University Vienna
Department of Radiology
AT-1090 Vienna
majda.thurnher@meduniwien.ac.at

Charles Truwit, MD
Hennepin County Medical Center
Department of Radiology
US-55415 Minneapolis, MN
truwit@umn.edu

U
Lale Umutlu, MD
University Hospital Essen
Department of Diagnostic and Interventional Radiology and Neuroradiology
DE-45147 Essen
lale.umbu@uk-essen.de

Antonios Valavanis, MD
University Hospital Zurich
Department of Neuroradiology
CH-8091 Zurich
Antonios.Valavanis@usz.ch

Mark A. van Buchem, MD
Leiden University Medical Center
Neuroradiology
NL-2300 RC Leiden
M.A.van_Buchem@lumc.nl

Johan Van Goethem, MD
University of Antwerp
Department of Biomedical Sciences
BE-2650 Edegem
johan.vangoethem@uantwerpen.be

Pedro Vilela, MD
Hospital da Luz
Department of Neuroradiology
PT-1500-650 Lisboa
pvilela@hospitalaldaluz.pt

W
Martin Wiesmann, MD
University Hospital Aachen
Department of Neuroradiology
DE-52074 Aachen
mwiesmann@ukaachen.de

Robert Willinsky, MD
The Toronto Western Hospital,
University Health Network
Department of Medical Imaging
CA-MST 25B Toronto, ON
robert.willinsky@uhn.on.ca

Michael Wissmeyer, MD
University Hospital of Geneva (HUG)
Department of Nuclear Medicine
CH-1211 Geneva
michael.wissmeyer@hcuge.ch

Lars Stenberg, MD
Lund University Hospital
Department of Medical Imaging and Physiology
SE-22185 Lund
Lars.Stenberg@skane.se

Klaus Tatsch, MD
Medical University of Tobacco
Clinic of Nuclear Medicine
DE-76133 Karlsruhe
Klaus.Tatsch@klRKU-9US.de

Majda Thurnher, MD
Medical University Vienna
Department of Radiology
AT-1090 Vienna
majda.thurnher@meduniwien.ac.at

Charles Truwit, MD
Hennepin County Medical Center
Department of Radiology
US-55415 Minneapolis, MN
truwit@umn.edu

U
Lale Umutlu, MD
University Hospital Essen
Department of Diagnostic and Interventional Radiology and Neuroradiology
DE-45147 Essen
lale.umbu@uk-essen.de

Antonios Valavanis, MD
University Hospital Zurich
Department of Neuroradiology
CH-8091 Zurich
Antonios.Valavanis@usz.ch

Mark A. van Buchem, MD
Leiden University Medical Center
Neuroradiology
NL-2300 RC Leiden
M.A.van_Buchem@lumc.nl

Johan Van Goethem, MD
University of Antwerp
Department of Biomedical Sciences
BE-2650 Edegem
johan.vangoethem@uantwerpen.be

Pedro Vilela, MD
Hospital da Luz
Department of Neuroradiology
PT-1500-650 Lisboa
pvilela@hospitalaldaluz.pt

W
Martin Wiesmann, MD
University Hospital Aachen
Department of Neuroradiology
DE-52074 Aachen
mwiesmann@ukaachen.de

Robert Willinsky, MD
The Toronto Western Hospital,
University Health Network
Department of Medical Imaging
CA-MST 25B Toronto, ON
robert.willinsky@uhn.on.ca

Michael Wissmeyer, MD
University Hospital of Geneva (HUG)
Department of Nuclear Medicine
CH-1211 Geneva
michael.wissmeyer@hcuge.ch

Lars Stenberg, MD
Lund University Hospital
Department of Medical Imaging and Physiology
SE-22185 Lund
Lars.Stenberg@skane.se

Klaus Tatsch, MD
Medical University of Tobacco
Clinic of Nuclear Medicine
DE-76133 Karlsruhe
Klaus.Tatsch@klRKU-9US.de

Majda Thurnher, MD
Medical University Vienna
Department of Radiology
AT-1090 Vienna
majda.thurnher@meduniwien.ac.at

Charles Truwit, MD
Hennepin County Medical Center
Department of Radiology
US-55415 Minneapolis, MN
truwit@umn.edu

U
Lale Umutlu, MD
University Hospital Essen
Department of Diagnostic and Interventional Radiology and Neuroradiology
DE-45147 Essen
lale.umbu@uk-essen.de

Antonios Valavanis, MD
University Hospital Zurich
Department of Neuroradiology
CH-8091 Zurich
Antonios.Valavanis@usz.ch

Mark A. van Buchem, MD
Leiden University Medical Center
Neuroradiology
NL-2300 RC Leiden
M.A.van_Buchem@lumc.nl

Johan Van Goethem, MD
University of Antwerp
Department of Biomedical Sciences
BE-2650 Edegem
johan.vangoethem@uantwerpen.be

Pedro Vilela, MD
Hospital da Luz
Department of Neuroradiology
PT-1500-650 Lisboa
pvilela@hospitalaldaluz.pt

W
Martin Wiesmann, MD
University Hospital Aachen
Department of Neuroradiology
DE-52074 Aachen
mwiesmann@ukaachen.de

Robert Willinsky, MD
The Toronto Western Hospital,
University Health Network
Department of Medical Imaging
CA-MST 25B Toronto, ON
robert.willinsky@uhn.on.ca

Michael Wissmeyer, MD
University Hospital of Geneva (HUG)
Department of Nuclear Medicine
CH-1211 Geneva
michael.wissmeyer@hcuge.ch

Lars Stenberg, MD
Lund University Hospital
Department of Medical Imaging and Physiology
SE-22185 Lund
Lars.Stenberg@skane.se

Klaus Tatsch, MD
Medical University of Tobacco
Clinic of Nuclear Medicine
DE-76133 Karlsruhe
Klaus.Tatsch@klRKU-9US.de

Majda Thurnher, MD
Medical University Vienna
Department of Radiology
AT-1090 Vienna
majda.thurnher@meduniwien.ac.at

Charles Truwit, MD
Hennepin County Medical Center
Department of Radiology
US-55415 Minneapolis, MN
truwit@umn.edu

U
Lale Umutlu, MD
University Hospital Essen
Department of Diagnostic and Interventional Radiology and Neuroradiology
DE-45147 Essen
lale.umbu@uk-essen.de

Antonios Valavanis, MD
University Hospital Zurich
Department of Neuroradiology
CH-8091 Zurich
Antonios.Valavanis@usz.ch

Mark A. van Buchem, MD
Leiden University Medical Center
Neuroradiology
NL-2300 RC Leiden
M.A.van_Buchem@lumc.nl

Johan Van Goethem, MD
University of Antwerp
Department of Biomedical Sciences
BE-2650 Edegem
johan.vangoethem@uantwerpen.be

Pedro Vilela, MD
Hospital da Luz
Department of Neuroradiology
PT-1500-650 Lisboa
pvilela@hospitalaldaluz.pt

W
Martin Wiesmann, MD
University Hospital Aachen
Department of Neuroradiology
DE-52074 Aachen
mwiesmann@ukaachen.de

Robert Willinsky, MD
The Toronto Western Hospital,
University Health Network
Department of Medical Imaging
CA-MST 25B Toronto, ON
robert.willinsky@uhn.on.ca

Michael Wissmeyer, MD
University Hospital of Geneva (HUG)
Department of Nuclear Medicine
CH-1211 Geneva
michael.wissmeyer@hcuge.ch
Scientific Program IDKD Course

Lectures

Rüttimann Lecture
This lecture is in memory of the visionary founder of the IDKD Prof. Alois Rüttimann (1922–2011) and aims to address pioneering radiologic, medical topics, or topics of general interest given by specially selected experts.

Sunday, April 3, 2016
17.15 – 18.00
Illness and People in Power
Małgorzata Szczerbo-Trojanowska, PL

Lectures
Sunday, April 3, 2016
10.00 – 10.25
Opening Address
Instruction for Course Informatics

10.25 – 12.10
1. Stroke: Basics, Imaging and Treatment
10.25 – 10.40
1a. The Pathophysiology of Stroke
Diederik W.J. Dippel, NL
10.40 – 11.10
1b. Key Decisions Based on MR vs CT in Acute Stroke
Timo Krings, CA
11.10 – 11.40
1c. Results of Recent Trials in Acute Stroke Management
Diederik W.J. Dippel, NL
11.40 – 12.10
1d. The Role of Neurosurgery in Acute Stroke
Luca Regli, CH

Monday, April 4, 2016
11.15 – 12.00
2. Radiomics
Elizabeth A. Morris, USA

Tuesday, April 5, 2016
11.15 – 12.00
3. Neuroradiology 2030 – a vision
Jan Gralla, CH

Wednesday, April 6, 2016
11.15 – 12.00
4. PET/MR in Brain and Head and Neck Imaging: Early Results
Martin Hüllner, CH

Thursday, April 7, 2016
11.15 – 12.00
5. An Introduction into DTI with Tractography
Paul M. Parizel, BE

Friday, April 8, 2016
11.15 – 12.00
6. A New Look at Brain Anatomy and Its Impact on Diagnostics
Antonios Valavanis, CH

Special Lectures

Monday, April 4, 2016
14.45 – 15.30
Antibody Therapy for Alzheimer’s Diseases – Challenges and Advances
Christoph Hock, CH

Tuesday, April 5, 2016
14.45 – 15.45
Spin Gymnastics
Walter Kucharczyk, CA

Wednesday, April 6, 2016
15.15 – 16.00
Molecular and Functional Imaging in Dementia
Frederik Barkhof, NL

Thursday, April 7, 2016
14.30 – 15.30
MR Imaging in Patients with Pacemakers and Other Devices
14.30 – 15.00
Physical and Technological Issues
Daniel Nanz, CH
15.00 – 15.30
Clinical Implications
Jens Bremerich, CH

Film Reading Panel

Wednesday, April 6, 2016
16.30 – 18.30

Moderators
Frederik Barkhof, NL
Walter Kucharczyk, CA

Panelists
Patrick A. Brouwers, SE
Hugh D. Curtin, USA
Thierry A. G. M. Huisman, USA
Rolf Jaeger, GB
Edmond A. Knopp, USA
Michael T. Modic, USA
Andrea Rossi, IT
Alex Rovira, ES
1. Cerebral Neoplasms
   Edmond A. Knopp, USA
   Girish M. Fatterpekar, USA

2. Mass Lesions of the Brain:
   a Differential Diagnostic Approach
   James G. Smirniotopoulos, USA
   Michael Brant-Zawadzki, USA

3. Evaluation of Cerebral Vessels
   Mary E. Jensen, USA
   Robert Willinsky, CA

4. Brain Ischemia
   Howard A. Rowley, USA
   Pedro Vilela, PT

5. Hemorrhagic Vascular Pathology
   James V. Byrne, GB
   Martin Wiesmann, DE

6. Demyelinating Diseases
   Kelly K. Koeller, USA
   Alex Rovira, ES

7. Movement Disorders and Metabolic Diseases
   Marco Essig, CA
   Rolf Jaeger, GB

8. Neuroimaging in Dementia
   Mark A. van Buchem, NL
   Frederik Barkhof, NL

9. Traumatic Neuroemergency
   C. Douglas Phillips, USA
   Paul M. Parizel, BE

10. Non-traumatic Neuroemergency
    John R. Hesselink, USA
    Patrick A. Brouwer, SE

11. Imaging the Patient with Seizures
    Timo Krings, CA
    Lars Stenberg, SE

12. Imaging of Cerebral Infections
    Majda Thurnher, AT
    David J. Mikulis, CA

13a. Diseases of the Sella and Parasellar Region
     Walter Kucharczyk, CA

13b. Diseases of the Sella
     Charles Truwit, USA

14. Diseases of the Temporal Bone
    Jan W. Casselman, BE
    Timothy Beale, GB

15. Oral Cavity, Larynx and Pharynx
    Hugh D. Curtin, USA
    Martin G. Mack, DE

16. Extramucosal Spaces of the Head and Neck
    Jenny Hoang, USA

17. Degenerative Diseases of the Spine
    Michael T. Modic, USA
    Johan Van Goethem, BE

18. Spinal Trauma and Injuries
    Adam E. Flanders, USA
    Pia Maly Sundgren, SE

19. Spinal Inflammatory and Demyelinating Diseases
    Jeffrey S. Ross, USA
    Philippe Demaerel, BE

20. Fetal MRI of the Brain and Spine
    Thierry A. G. M. Huisman, USA
    P. Ellen Grant, USA

21. Children with Acute Neurologic Deficits:
    What Has to Be Ruled Out within
    2–3 Hours
    Andrea Rossi, IT
    W. Kling Chong, GB
Program Overview

For topics of Workshops and Lectures please see pages 10–13.

Saturday
April 2, 2016

09.45 – 10.00 Satellite Courses Introduction

Nuclear Medicine
10.15 – 11.30 Workshops
11.30 – 12.00 Intermission
12.00 – 13.15 Workshops
13.15 – 14.00 Sandwich Lunch
14.00 – 15.15 Workshops
15.15 – 15.45 Intermission
15.45 – 17.00 Workshops
17.15 – 18.30 Workshops

Pediatric Radiology
10.15 – 11.30 Workshops
11.30 – 12.00 Intermission
12.00 – 13.15 Workshops
13.15 – 14.00 Sandwich Lunch
14.00 – 15.15 Workshops
15.15 – 15.45 Intermission
15.45 – 17.00 Workshops

Breast Imaging
10.15 – 11.30 Workshops
11.30 – 12.00 Intermission
12.00 – 13.15 Workshops
13.15 – 14.00 Sandwich Lunch
14.00 – 15.15 Workshops
15.15 – 15.45 Intermission
15.45 – 17.00 Workshops
17.15 – 18.00 Highlight Lecture

Exhibition open on Sunday at 09.30 – 19.30

Sunday
April 3, 2016

Nuclear Medicine
09.00 – 10.15 Workshops
10.25 – 12.10 Highlight Lectures

IDKD
10.00 – 10.25 Opening Address / Introduction into Course Organization and Informatics
10.25 – 12.10 Highlight Lectures
14.00 – 15.15 Workshops
15.15 – 15.45 Intermission
15.45 – 17.00 Workshops
17.15 – 18.00 Rüttimann Lecture
18.00 – 19.30 Welcome Reception

Exhibition open on Monday, Tuesday and Thursday at 09.00 – 12.00 and 15.00 – 18.00, on Wednesday at 09.00 – 12.00 and 15.00 – 18.30, and on Friday at 09.00 – 11.30.

Thieme & Frohberg Booksellers’ stand open on Tuesday to Friday.

Monday
April 4, 2016

08.00 – 09.15 Workshops
09.15 – 09.45 Intermission
09.45 – 11.00 Workshops
11.15 – 12.00 Highlight Lecture
14.45 – 15.30 Special Lecture
16.00 – 17.15 Workshops
17.15 – 17.45 Intermission
17.45 – 19.00 Workshops
19.15 – 23.30 IDKD Dinner

Tuesday
April 5, 2016

08.00 – 09.15 Workshops
09.15 – 09.45 Intermission
09.45 – 11.00 Workshops
11.15 – 12.00 Highlight Lecture
14.45 – 15.30 Special Lecture
16.00 – 17.15 Workshops
17.15 – 17.45 Intermission
17.45 – 19.00 Workshops

Wednesday
April 6, 2016

08.00 – 09.15 Workshops
09.15 – 09.45 Intermission
09.45 – 11.00 Workshops
11.15 – 12.00 Highlight Lecture
14.30 – 15.30 Special Lecture
16.30 – 18.30 Film Reading Panel
16.00 – 17.15 Workshops
17.15 – 17.45 Intermission
17.45 – 19.00 Workshops

Thursday
April 7, 2016

08.00 – 09.15 Workshops
09.15 – 09.45 Intermission
09.45 – 11.00 Workshops
11.15 – 12.00 Highlight Lecture
14.30 – 15.30 Special Lecture
16.00 – 17.15 Workshops
17.15 – 17.45 Intermission
17.45 – 19.00 Workshops

Friday
April 8, 2016

08.00 – 09.15 Workshops
09.15 – 09.45 Intermission
09.45 – 11.00 Workshops
11.15 – 12.00 Highlight Lecture
14.30 – 15.30 Special Lecture
16.00 – 17.15 Workshops
17.15 – 17.45 Intermission
17.45 – 19.00 Workshops

Exhibition open on Monday, Tuesday and Thursday at 09.00 – 12.00 and 15.00 – 18.00, on Wednesday at 09.00 – 12.00 and 15.00 – 18.30, and on Friday at 09.00 – 11.30.

Thieme & Frohberg Booksellers’ stand open on Tuesday to Friday.
**Scientific Program Satellite Courses**

**Nuclear Medicine**

**Satellite Course “Diamond”**

**Course Objectives**

1. Teach the participants effective approaches in analysing diagnostic imaging challenges in patients with diseases of the brain, head and neck, spine using Nuclear Medicine imaging techniques
2. Allow participants in guided self study to recognize key imaging features of various diseases
3. Teach participants in which setting which imaging examination is most effective
4. Offer participants to interact with top international experts in the field of imaging of the diseases of the brain, head and neck, spine

**Target audience:**
- Nuclear Physicians / Radiologists
- Nuclear Medicine / Radiology residents and fellows
- Interested clinicians, particularly neurologists

**Workshops**

- **Brain**
  1. Integrated Imaging of Brain Tumors
     Ian Law, DK
  2. Nuclear Imaging of Dementia
     Alexander Drzezga, DE
  3. Nuclear Imaging of Movement Disorders
     Klaus Tatsch, DE
  4. Imaging of Brain Perfusion
     John Prior, CH

- **Head and Neck**
  5. Hybrid Imaging in Head & Neck Cancer
     Martin Hüllner, CH
  6. Integrated Imaging of Thyroid Disease
     Michael Wissmeyer, CH

IDKD Highlight Lectures on Sunday, April 3, are part of the “Diamond” program. Lecture schedule is on page 10.

**Pediatric Radiology**

**Satellite Course “Kangaroo”**

**Course Objectives**

1. Teach the participants effective approaches in analysing diagnostic imaging challenges in pediatric patients with the diseases of the brain, head and neck, spine
2. Allow participants in guided self study to recognize key imaging features of various diseases
3. Teach participants in which settings imaging examination is most effective
4. Offer participants to interact with top international experts in the field of pediatric imaging of the brain, head and neck, spine

**Target audience:**
- Pediatric radiologists, pediatric radiology residents and fellows
- Radiologists with interest in and/ or obligation for pediatric radiology
- Interested clinicians, particularly neurologists
- Radiology technicians with advanced competences/ interests

**Workshops**

1. Mammography: Subtle Signs of Malignancy and Other Challenges in Daily Practice
   Michael J. Michell, GB
2. Mammography: BI-RADS Update and Tomosynthesis
   Elizabeth A. Morris, USA
3. Breast Ultrasound: BI-RADS Update and Imaging Pathologic Correlation
   Alexander Mundinger, DE
4. Breast MRI: An Update on Guidelines and BI-RADS
   Lale Umutlu, DE

**Highlight Lecture**

Contrast-enhanced Digital Mammography
Elizabeth A. Morris, USA

**Breast Imaging**

**Satellite Course “Pearl”**

**Course Objectives**

1. Teach the participants effective approaches in analysing diagnostic imaging challenges in breast disease
2. Allow participants in guided self study to recognize key imaging features of various breast diseases
3. Teach participants in which settings imaging examination is most effective
4. Offer participants to interact with top international experts in the field of breast imaging

**Target audience:**
- Radiologists
- Radiology residents and fellows
- Interested clinicians, especially gynecologists
- Radiology technicians with advanced competences/ interests

**Workshops**

1. Children with Epilepsy: Neuroimaging Findings
   W. Kling Chong, GB
2. Advanced MR Techniques in Pediatric Neuroradiology: What is Ready for Clinical Prime Time?
   P. Ellen Grant, USA
3. Non-accidental Injury of the Pediatric Central Nervous System
   Thierry A. G. M. Huisman, USA
4. The Acute Pediatric Spine and Spinal Cord
   Andrea Rossi, IT
Registration Fees

All prices in Swiss Francs, CHF

<table>
<thead>
<tr>
<th></th>
<th>Early fee</th>
<th>Standard fee</th>
</tr>
</thead>
<tbody>
<tr>
<td></td>
<td>until January 31, 2016</td>
<td>until March 27, 2016</td>
</tr>
<tr>
<td>IDKD Course Regular</td>
<td>1.180.–</td>
<td>1.420.–</td>
</tr>
<tr>
<td>IDKD Course Resident**</td>
<td>940.–</td>
<td>1.140.–</td>
</tr>
<tr>
<td>Nuclear Medicine Satellite Course “Diamond” Regular</td>
<td>400.–</td>
<td>460.–</td>
</tr>
<tr>
<td>Nuclear Medicine Satellite Course “Diamond” Resident**</td>
<td>320.–</td>
<td>370.–</td>
</tr>
<tr>
<td>Pediatric Radiology Satellite Course “Kangaroo” Regular</td>
<td>300.–</td>
<td>340.–</td>
</tr>
<tr>
<td>Pediatric Radiology Satellite Course “Kangaroo” Resident**</td>
<td>240.–</td>
<td>270.–</td>
</tr>
<tr>
<td>Breast Imaging Satellite Course “Pearl” Regular</td>
<td>350.–</td>
<td>400.–</td>
</tr>
<tr>
<td>Breast Imaging Satellite Course “Pearl” Resident**</td>
<td>280.–</td>
<td>320.–</td>
</tr>
</tbody>
</table>

* Laptop rental fee: CHF 100.– for IDKD Course and CHF 50.– for Satellite Courses
** A certificate signed by Head of Department must be sent to the IDKD Office upon registration (fax: +41 43 430 2544 or scanned to info@idkd.org)

Onsite registration fee from March 28, 2016
IDKD only or IDKD and Satellite Course:
Standard fee + CHF 100.–
Satellite Course only:
Standard fee + CHF 50.–

Satellite Courses
Combination tickets: IDKD and Satellite will be offered with approx. 5% discount on the IDKD and Satellite fee for the current registration period.

Payment – Cancellation

Cancellation of the IDKD Course
IDKD is entitled to cancel the Courses at any time. Course fees will be reimbursed in case of cancellation of the IDKD Course due to reasons other than war, war-like events, acts of terrorism or epidemics, in which case only a proportionate part would be refundable.

Confirmation of Registration and Course Badge
Online registrations will be automatically confirmed. Course badges will not be sent out this year; registered participants will receive their personal course badge onsite at the Registration Desk. You will be notified by email about the procedure to pick up your badge closer to the Course. The badge is personal and is your admission card to the course. Do not forget it! Do not lose it! In case of loss, a replacement badge will be provided against an administrative charge of CHF 50.–.

Disclaimer
The IDKD and the Course Management cannot accept liability for acts of any suppliers to this meeting nor the safety of any attendee while in transit to or from this event nor for any accidents or injuries that may occur. Any liability of IDKD and the Course Management is excluded. All participants are strongly advised to carry sufficient travel and health insurance.

Applicable Law and Jurisdiction
Swiss law is applicable. The courts of Zurich, Switzerland, shall have exclusive jurisdiction.
Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada.

The Swiss Society of Radiology designates the course with 10 category 1 points. The Swiss Society of Nuclear Medicine designates the course with 10 category 1 points. This event is under the auspices of EANM.

**Breast Imaging Satellite Course “Pearl”**
The IDKD Breast Imaging Satellite Course is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.uems.net.

The IDKD Breast Imaging Satellite Course is designated for a maximum of 6 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada.

The Swiss Society of Radiology designates the course with 6 category 1 points. The Swiss Society of Pediatric Radiology designates the course with 6 category 1 points.

**Pediatric Radiology Satellite Course “Kangaroo”**
The IDKD Pediatric Radiology Satellite Course “Kangaroo” is accredited by the European Accreditation Council for Continuing Medical Education (EACCME) to provide the following CME activity for medical specialists. The EACCME is an institution of the European Union of Medical Specialists (UEMS), www.uems.net.

The IDKD Pediatric Radiology Satellite Course “Kangaroo” is designated for a maximum of 9 hours of European external CME credits. Each medical specialist should claim only those hours of credit that he/she actually spent in the educational activity.

Through an agreement between the European Union of Medical Specialists and the American Medical Association, physicians may convert EACCME credits to an equivalent number of AMA PRA Category 1 Credits™. Information on the process to convert EACCME credit to AMA credit can be found at www.ama-assn.org/go/internationalcme.

Live educational activities, occurring outside of Canada, recognized by the UEMS-EACCME for ECMEC credits are deemed to be Accredited Group Learning Activities (Section 1) as defined by the Maintenance of Certification Program of The Royal College of Physicians and Surgeons of Canada.

The Swiss Society of Radiology designates the course with 7 points. The Swiss Society of Gynecology and Obstetrics designates the course with 7 points.
Course Management
IDKD Davos Office
Maria Tsiplakova Vögeli
info@idkd.org

Local Office
Davos Congress
info@idkd.org

Venue and Local Course Office
Congress Centre Davos
Talstrasse 49a
CH-7270 Davos-Platz
Switzerland

Opening Hours of the Congress Centre
(entrance from Talstrasse)
Saturday, April 2 08.00–19.00
Sunday, April 3 08.30–19.30
Monday through Friday always 30 minutes before
until 30 minutes after the session.

Starting Times of the Courses
Nuclear Medicine / Pediatric Radiology / Breast Imaging
Saturday, April 2, 2016 09.45
IDKD Course
Sunday, March 3, 2016 10.00

Language
English

Change of Program
Information and times mentioned in this docu-
ment may be subject to change. Participants are
requested to check the exact schedule for the
following day every evening at the notice board.
Please review updated information on
www.idkd.org.

Lunch Satellite Courses
Sandwich lunch will be served at 13.15–14.00
on Saturday only.

Coffee Breaks
Satellite Courses
Saturday, April 2, 2016 11.30–12.00
15.15–15.45
IDKD courses:
Free coffee will be served during the first morning
interruption and during the afternoon intermis-
sion between the workshops on Monday to Friday.
On Sunday morning, coffee will not be served.
On Wednesday and Friday afternoon coffee will
not be served.

IDKD on the Internet
Information about IDKD activities is constantly
updated. Please visit our website at
www.idkd.org.

Ground Transportation by train
Train connections every hour between 06.00 and
21.00 from Zurich main station and Zurich Airport
to Davos-Dorf.
by car
147 km from Zurich
235 km from Basel
304 km from Munich
538 km from Frankfurt am Main
240 km from Milan

As official carrier to IDKD 2016 in Davos Swiss
International Air Lines offers you the best booking
flexibility together with Swiss product and service
quality, all at a significantly discounted price. As
the national airline of Switzerland we offer event
participants a reduction of up to 10% off regular
fares. Your stay in Switzerland begins the moment
you board one of our aircraft.

Discounted congress fares are marked with a
white upper corner. Reductions depend on the
fare type, routing and availability and are valid on
the full SWISS network for flights to Switzerland,
including flights operated by one of our partner
airlines with an LX flight number. These fares are
bookable with immediate effect for the travel
period 14 days before and after the event.

To take advantage of this offer, book simply and
conveniently on swiss.com via the following link:
www.swiss.com/event. The event code is sent in
the confirmation e-mail to the registered partici-
pants.

SWISS is already looking forward to pampering
you with typical Swiss hospitality on board.
Social Program

Organization
Yela von Schulteness
Olga Zollikofer

Welcome Reception
Sunday, April 3, 2016
18.00 – 19.30
Congress Centre
All participants and their guests are cordially invited.

IDKD Dinner
Thursday, April 7, 2016
19.15 – 23.30
Hotel Steigenberger Belvédère
Price: CHF 80.– (all drinks included)
Limited number of participants.
Online registration: www.idkd.org

Tourist Office
Davos Destinations-Organization
Talstrasse 41
CH-7270 Davos-Platz, Switzerland
Phone: +41 81 415 21 21
Fax: +41 81 415 21 00
E-Mail: info@davos.ch
Web: www.davos.ch

Accommodation
Davos Congress
Phone: +41 81 415 21 63
Fax: +41 81 415 21 69
E-Mail: congress@davos.ch

Accommodation booking for the IDKD Davos is handled by Davos Congress. Hotel reservations at specially negotiated rates must be placed online at www.idkd.org (IDKD Davos Accommodation). Headquarter of the course: The Grandhotel Steigenberger Belvédère.

Booking and Cancellation Policy
1. To guarantee your hotel booking your credit card number is needed.
2. Payment should be made directly at your hotel upon departure.
3. In case of cancellations, your credit card details will be forwarded to the hotel.
4. Cancellation up to 14 days (or less) prior to the booked arrival date results in no fees (except for cancellation insurance fees).
5. Cancellation 13 (or less) to 0 days prior to the booked arrival date results in the charge of 100% of the entire booking amount. In case the room might not be rented out after cancellation, the hotel reserves the right to charge up to 100% of the entire booking amount (excl. guest taxes and meals) either by bill or to charge the credit card directly.
6. “No Show”: In case of no show without prior cancellation, the hotel reserves the right to charge 100% of the entire booking amount to the credit card or to send a bill for the respective amount.

Bank, Post Office
At the course registration desk, Swiss Francs, Eurocard/Mastercard and VISA are accepted. Foreign currencies may be changed at one of the local banks (Monday–Friday, 08.30 – 12.00 and 14.00 – 17.30). There is an ATM (Bankautomat) available 24 hours outside the North entrance of the Congress Centre on Promenade Floor.

Car Parking
Participants are advised to observe the official parking signs. Course management cannot accept responsibility for unauthorized parking. There are very limited meter parking facilities in front of the main entrance of the Congress Centre at Talstrasse, therefore we suggest that you park your car at your hotel and use public buses free of charge. Your hotel guest card will entitle you to free bus transportation in Davos.
Future IDKD Courses

Diseases of the Abdomen and Pelvis
May 28 – 30, 2016 Beijing
June 3 – 5, 2016 Hong Kong

IDKD 2016 Greece
Diseases of the Chest, Heart and Vascular System
September 15 – 18, 2016
Athens, Greece

IDKD 2016 South America
Musculoskeletal Diseases
November 4 – 6, 2016
Rio de Janeiro, Brazil

2017
IDKD 2017 Davos
Musculoskeletal Diseases
March 26 – 30, 2017

Visit the IDKD website at www.idkd.org for updated information.

The organizers are grateful to all companies and persons who helped realise and develop this course through their collaboration and contributions.

Main Global Sponsor
Guerbet, Europe

Key Global Sponsor
GE Healthcare

Sponsor
Sirtex

Donations
THP Medical Products Vertriebs GmbH, Vienna, AT

Sponsorship and Advertisements
Breast Imaging Course:
Siemens Schweiz AG, Zurich, CH
TOSHIBA Medical Systems AG, Volketswil, CH

IDKD Course
Advanced Accelerator Applications, Geneva, CH
Thieme & Frohberg GmbH, Berlin, DE

Technical Exhibits
Breast Imaging Course
BARD Medica SA, Oberrieden, CH
Siemens Schweiz AG, Oberrieden, CH

IDKD Course
Bayer (Schweiz) AG, Zurich, CH
Bracco Suisse SA, Manno, CH
European Telemedicine Clinic S.L., Barcelona, ES
GE Healthcare, Glattbrugg/Zurich, CH
Guerbet AG, Zurich, CH
Thieme & Frohberg GmbH, Berlin, DE
Radiolutions AG, Baar, CH
TeraRecon, Frankfurt, DE
Theraclion, Malakoff, FR

Acknowledgements

Visit the IDKD website at www.idkd.org for updated information.
Revolutionizing patient management: Theragnostics

From Molecular Imaging to Molecular Nuclear Therapy

Making personalized treatment a reality

Advanced Accelerator Applications (Switzerland) SA
Rue de la Tour de l’île 4 – 1204 Geneva – Switzerland
Tel +41 (0)22 700 2130 Fax +41 (0)22 735 2115 Email info@adacap.com

A worldwide presence

Diseases of the Chest, Heart and Vascular System
September 15 – 18, 2016
Athens, Greece

An Interactive Course in Diagnostic Imaging
www.idkd.org

Musculoskeletal Diseases
November 4 – 6, 2016
Rio de Janeiro, Brazil

An Interactive Course in Diagnostic Imaging
www.idkd.org
As the airline of Switzerland we are small enough to give you a personal welcome, yet big enough to connect you to over 100 destinations across the world. For more information visit swiss.com