

## General Information

### CME Credits

An application will be made to the EACCME® for CME accreditation of this event.

### Duration

IDKD Course: Sunday, April 3 (10.00) – Friday, April 8, 2016 (15.30)

### IDKD on the Internet

Visit our website: [www.idkd.org](http://www.idkd.org) for further information, online registration and accommodation bookings. Online registrations and accommodation bookings are accepted from October 2015.

### Course Language

English

### Venue

Convention Center Davos,  
Talstrasse 49A,  
CH-7270 Davos-Platz, Switzerland

### 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

The IDKD offers access, with a unique user name/password, to part of the cases submitted by the teachers to online database.

### Exhibition

Selected imaging industries will present their products and innovations and give expert advice.

### Travel Arrangements

The Official Carrier, Swiss International Air Lines, offers special congress fares.  
Zurich Airport – Davos: 160km.

### Ground Transportation by train

Train connections every hour between 06.00 and 21.00 from Zurich main station and Zurich Airport to Davos-Dorf. Schedule: [www.sbb.ch/en](http://www.sbb.ch/en)

## Organisation

### 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)

#### Course Directors

Jürg Hodler, Zurich  
Rahel A. Kubik-Huch, Baden  
Gustav K. von Schulthess, Zurich

#### International Advisor

Elmar M. Merkle, Basel

#### Satellite Course Advisors

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

#### Neuro Advisors

Frederik Barkhof, Netherlands  
Walter Kucharczyk, Canada

#### Course Management

e-mail: [info@idkd.org](mailto:info@idkd.org)  
web: [www.idkd.org](http://www.idkd.org)

#### Future IDKD Courses

IDKD 2015 Asia  
**Diseases of the Brain, Head and Neck, Spine**  
June 6–8, 2015, Beijing, China

IDKD 2015 Greece  
**Diseases of the Abdomen and Pelvis**  
September 17–20, 2015, Athens, Greece

49th IDKD 2017 Davos  
**Musculoskeletal Diseases**  
March 26–31, 2017



## 48th International Diagnostic Course Davos Excellence in Teaching



## Diseases of the Brain, Head and Neck, Spine

April 3–8, 2016  
Davos, Switzerland

An Interactive Course in Diagnostic Imaging including  
Interventional Techniques  
Preliminary Program

## Concept

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. Participants typically bring their own laptop (PC or Mac) for case viewing. The relevant case will be provided on a USB stick. Participants not bringing their own laptop may make reservations in a classroom equipped with computers for viewing in groups of 3 (extra fee applies). 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. Highlight and Special lectures will complete the scientific program.

### Course Objectives:

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

### Target audience:

- Radiologists/Nuclear Physicians
- Radiology/Nuclear Medicine residents and fellows
- Interested clinicians, particularly neurologists
- Radiology technicians with advanced competences/interests

## Scientific Program

### Workshops

1. **Cerebral Neoplasms**  
Edmond A. Knopp, US  
Girish Fatterpekar, US
2. **Mass Lesions of the Brain: a Differential Diagnostic Approach**  
James G. Smirniotopoulos, US  
Michael Brant-Zawadzki, US
3. **Evaluation of Cerebral Vessels**  
Mary E. Jensen, US  
Robert Willinsky, CA
4. **Brain Ischemia**  
Howard A. Rowley, US  
Pedro Vilela, PT
5. **Hemorrhagic Vascular Pathology**  
James Byrne, UK  
Martin Wiesmann, DE
6. **Demyelinating Diseases**  
Kelly K. Koeller, US  
Alex Rovira, ES
7. **Movement Disorders and Metabolic Diseases**  
Marco Essig, CA  
Rolf Jaeger, UK
8. **Neuroimaging in Dementia**  
Mark A. Van Buchem, NL  
Frederik Barkhof, NL
9. **Traumatic Neuroemergency**  
C. Douglas Phillips, US  
Paul M. Parizel, BE
10. **Non-traumatic Neuroemergency**  
John R. Hesselink, US  
Patrick A. Brouwer, NL
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, US
14. **Diseases of the Temporal Bone**  
Jan W. Casselman, BE  
Timothy Beale, UK
15. **Oral Cavity, Larynx and Pharynx**  
Hugh D. Curtin, US  
Martin G. Mack, DE
16. **Extramucosal Spaces of the Head and Neck**  
Laurie Loevner, US  
Jenny Hoang, US
17. **Degenerative Diseases of the Spine**  
Michael T. Modic, US  
Johan Van Goethem, BE
18. **Spinal Trauma and Injuries**  
Adam E. Flanders, US  
Pia Maly Sundgren, SE
19. **Spinal Inflammatory and Demyelinating Diseases**  
Jeffrey S. Ross, US  
Philippe Demaerel, BE
20. **Fetal MRI of the Brain and Spine**  
Thierry A.G.M. Huisman, US  
P. Ellen Grant, US
21. **Children with Acute Neurologic Deficits: What Has to Be Ruled Out within 2–3 Hours**  
Andrea Rossi, IT  
W. Kling Chong, UK

Front cover:  
E. L. Kirchner, Mountain Forest 1918–20,  
Oil on canvas  
Kirchner Museum Davos  
www.kirchnermuseum.ch  
Gift of Bruhin-Valtin 1982

## Scientific Program

### Rüttimann Lecture

**Illness and People in Power**  
Malgorzata Szczerbo-Trojanowska, PL

### Highlight Lectures

#### 1. Stroke: Basics, Imaging and Treatment

1a. **The Pathophysiology of Stroke**  
Diederik WJ Dippel, NL

1b. **Key Decisions Based on MR vs CT in Acute Stroke**  
Timo Krings, CA

1c. **The Role of Neurosurgery in Acute Stroke**  
Luca Regli, CH

1d. **Results of Recent Trials in Acute Stroke Management**  
Diederik WJ Dippel, NL

2. **Radiomics**  
Elizabeth A. Morris, US

3. **Medicine 2030, Implications for Medical Imaging**  
Jörg Debatin, DE

4. **Dementia: Update 2016**  
Christoph Hock, CH

5. **An Introduction into DITI with Tractography**  
Paul M. Parizel, BE

6. **A New Look at Brain Anatomy and Its Impact on Diagnostics**  
Antonios Valavanis, CH

### Special Lectures

1. **Spin Gymnastics**  
Walter Kucharczyk, CA

2. **PET/MR in Brain and Head and Neck Imaging: Early Results**  
Martin Hüllner, CH

3. **Molecular and Functional Imaging in Dementia**  
Frederik Barkhof, NL

4. **MR Imaging in Patients with Pacemakers and Other Devices**  
TBC