



International Congress

Telemedicina Brno 2005

Final programme

Brno, Congress Centre

31 March – 1 April 2005

Section for Tele-medicine, Tele-radiology and PACS of
the Radiological Society of ČLS JEP

holds the

International Congress

TELEMEDICINA BRNO 2005

Brno, 31 March –1 April 2005

under the auspices

of the

Minister of Health of the Czech Republic

Doc. MUDr. Milady Emmerové, CSc.

Director of the General Health Insurance Company

Ing. Jiřiny Musilkové

President of the South-Moravian Region

Ing. Stanislava Juránka

and sponsorship

of the

Society for Bio-Medical Engineering and Medical Informatics of ČLS JEP

Radiological Society of ČLS JEP

Society for Traumatic Surgery of ČLS JEP

Programme Committee of the Congress

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Prof. MUDr. Vlastimil Válek, CSc.

Scientific secretary of the Radiological Society of ČLS JEP

Head of the Radiological Clinic of the Faculty of Medicine, Masaryk University in Brno

Members of the Programme Committee

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Centre for Biostatistics and Analyses of the Faculty of Medicine, Masaryk University

Doc. MUDr. Miroslav Heřman, CSc.

Head of the Radiological Clinic of the Faculty of Medicine,
Palacký University and Teaching Hospital in Olomouc

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Ministry of Health of the Czech Republic, Informatics advisor

Ing. Ivo Růžička

Administrator of PACS, Teaching Hospital Brno

Doc. MUDr. Petr Svoboda, CSc. FRCS(T)

Deputy for science and research, ÚN Brno

Prof. MUDr. Peter Wendsche, CSc.

Head of Traumatology Department Faculty of Medicine, Masaryk University in ÚN

Main topics of the Congress

Tele-medicine and electronic documentation

Analyses and processing of medical data

Electronic medical recommendations and enhancement of decision-making

PACS and formation of networks

Economic and legislative standards associated with tele-medicine

Norms and standards in tele-medicine

Tele-conference

Organisation of the Congress

SYMMA Ltd.

Aleš Martínek

Kounicova 13, POB 643, CZ-661 43 Brno

Tel., Fax: +420 549 123 256

E-mail: symma@quick.cz

<http://www.symma.cz>

Schedule of Congress

31 March 2005

8.00 – 9.00 h Registration of participants

Hall A

9.00 – 9.15 h Opening ceremony

9.15 – 10.40 h What we should know I

10.40 – 11.00 h Coffee break

11.00 – 12.10 h Tele-radiology, legislation and trends

12.10 – 13.00 h Lunch

13.00 – 13.30 h Round table

13.30 – 14.15 h What we should know II

14.15 – 14.45 h Discussion

14.45 – 15.00 h Coffee break

15.00 – 15.45 h Presentations of firms

15.45 – 17.45 h Analysis and processing of medical data

20.00 – 24.00 h Social party

1 April 2005

Hall A

9.00 – 10.35 h Tele-medicine and electronic documentation

10.35 – 11.00 h Coffee break

11.00 – 12.00 h Transmissions

12.00 – 14.00 h Presentations of firms

14.00 hod Lunch

Chief sponsor and exhibitor

SIEMENS s.r.o., Division of Medicinal Systems

Sponsors and exhibitors

AGFA s.r.o., Division of Health Care

Avnet Applied Computing s.r.o.

FOMEI, a.s.

ICZ, a.s.

Kodak Czech, spol. s r.o.

Medisap, s.r.o.

OR – CZ spol. s.r.o.

TatraMed s.r.o.

Sponsor and Partial Sponsor of the Social Party

IBM Czech Republic

Exhibitors

AGORA plus, a.s.

IZIP spol. s r.o.

PURO – KLIMA, a.s.

SDR SYSTEMS s.r.o.

Presenting firms

Medicalc software s.r.o.

Medtronic Emergency Response Systems (EMEA)

SMS spol. s r.o.

STAPRO s.r.o.

Coffee Break Sponsor

T-Systems Pragonet, a.s.

Programme for 31 March 2005

Hall A

9.00 – 9.15 h **Ceremonial opening of the Congress**

Šprindrich J.

Chairman of the Radiology Society CSL JEP

9.15 – 10.40 h **What we should know I**

Economics and digitalisation of scanning documentation

(5´)

Válek Vl.

Teaching Hospital Bohunice, Radiology Clinic, Faculty of Medicine, MU

PACS

(20´)

Heřman M.

Teaching Hospital Olomouc, Radiology Clinic, Faculty of Medicine, Palacky University

Economics of digital archive

(20´)

Javora J., Válek Vl.

AGORA plus, a.s., Teaching Hospital Brno, Radiology Clinic, Faculty of Medicine, MU

Possibilities of remote access to the digital archive

(20´)

Růžička I., Válek Vl.

Teaching Hospital Brno, Radiology Clinic, Faculty of Medicine, Masaryk University

Data projectors and monitors

(20´)

Klzo L.

Teaching Hospital Hradec Králové, Radiology Clinic, Faculty of Medicine, Charles University

10.40 – 11.00 h **Coffee break**

11.00 – 12.10 h **Tele-radiology in the EU, legislation and trends**

The role of MEDTEL on accession of CR to the European eHealth space

(15´)

Struk P., Ochozka J., Trpišovský T.

Medtel o.p.s.

Prof. Dr. I. W. McCall

(20´)

European Association of Radiology

Prof. Dr. B. Silberman (20´)
European Union of Medical Specialists, Radiology Section

Prof. Dr. A Mester (15´)
PACS in Hungary
Hungary radiological society

12.10 – 13.00 h Lunch

13.00 – 13.30 h Round table on “Tele-medicine, PACS, Tele-radiology”

13.30 – 14.15 h What we should know II

Importance of double reading, standards (5´)
Válek V.
Teaching Hospital Brno, Radiology Clinic, Faculty of Medicine, MU

Double reading and PACS – technical background (20´)
Mechl M.
Teaching Hospital Brno, Radiology Clinic, Faculty of Medicine, MU

Digitalisation and image data transmission in the education of radiology assistants at ZSF OU (10´)
Chmelová J., Pleva L., Sochorová H., Korhelík K.
Institute of Imaging Methods ZSF OU, RDG Institute and Traumacentrum FNsP Ostrava

Tele-medicinal applications of the CESNET Association (10´)
Šárek M.
CESNET, z.s.p.o.

14.15 – 14.45 h Discussion

14.45 – 15.00 h Coffee break

15.00 – 15.45 h Presentations of firms

Trends in PACS and application in the Czech Republic (15´)
Pokorný M., Raška J., Schmidt M.
ICZ a.s.

Tele-radiology and non-film hospitals (15´)

Kajan J., Krupa P.

TatraMed s.r.o., Teaching Hospital "U sv. Anny", Brno

Professional diagnostic monitors EIZO (15´)

Charvát A.

Avnet Applied Computing s.r.o. zast. EIZO NANA Corp. Ltd.

15.45 – 17.45 h Analysis and processing medical data

Methods of artificial intelligence in the processing of medical data (10´)

Lhotská L.

Gerstner's Laboratory, Czech University of Technology in Prague

Acquisition of information from longitudinal studies (10´)

Nováková L., Kléma J., Štěpánková O.

Department of Cybernetics, FEL, Czech University of Technology in Prague

Quantitative evaluation of long-term EEG records (10´)

Rieger J.

Gerstner's Laboratory, Czech University of Technology in Prague

Application of spectral analysis for the detection and elimination of artefacts from long-term EEG records (10´)

Krajča V.¹⁾, Petránek S.¹⁾, Matoušek M.²⁾

¹⁾Teaching Hospital Na Bulovce, Budinova 2, CZ 18081 Prague 8

²⁾Psychiatric Centre Prague

Aggregation technique for purposes of signal analysis from the EKG holter (10´)

Chudáček V., Hanuliak M.

Gerstner's Laboratory, Czech University of Technology in Prague

New objective method of scanning eye movements (10´)

Fejtová M., Fejt J.

Electro-technical Faculty, Czech University of Technology in Prague

Classification of diseases based on data of gene expression and additional information (10´)

Železný F.

Gerstner's Laboratory, Czech University of Technology in Prague

Depression test in virtual reality – way to remote monitoring of the psychic condition of the patient? Results of a pilot study. (10´)

Hess Z., Podlipný J.¹⁾, Honzík J., Rosolová H., Bolek L.²⁾, Petrlová B.

¹⁾ 2nd Internal Clinic of FN and LF UK in Pilsen,

²⁾ Institute of Biophysics LF UK in Pilsen

Processing image information, homeworking, PACS in functional anatomic dg. at the Department of Nuclear Medicine (10´)

Bakala J., Bernátek J., Jetleb J., Minář P.

Department of Nuclear Medicine, Bata Regional Hospital

Analysis of image data for stereo-tactic navigation at the Neurosurgery Clinic of the Teaching Hospital “U sv. Anny” (10´)

Říha I., Chrástina J., Novák R.

Teaching Hospital “U sv. Anny” Brno

Implementation of tele-conference technology at the Neurosurgery Clinic of the Teaching Hospital “U sv. Anny” (10´)

Novák Z., Říha I., Chrástina J.

Teaching Hospital “U sv. Anny” Brno

ERDS – classification information system for communication in radiology within the EU (10´)

Suchánek V., Adla T., Zoubek D., Poulová M., Eliáš P., Šprindrich J., Neuwirth J.

KZM FN Motol, Prague; RDK, FN Hradec Králové; Computer Centre, FN Motol, Prague;

RK FN, Královské Vinohrady, Prague

Programme for 1 April 2005

9.00 – 10.35 h Tele-medicine and electronic documentation

The MeDiMed project at Masaryk University Brno (15´)

Dostál O., Javorník M.

Institute of Computer Technology, MU Brno

Instruction in the MeDiMed project (15´)

Javorník M., Dostál O., Dušek L., Šmíd R.

Institute of Computer Technology, MU Brno

Access to documentation for anyone from anywhere – vision or reality? (10´)

Rous V., Fabián J.

Institute of Clinical and Experimental Medicine

PACS in the South Moravian Region (15´)

Andres P.

Masaryk Oncology Institute

Possibilities of implementing the principles of KZM tele-medicine at the hospital “U sv. Anny” in Brno (15´)

Krupa P.

Teaching Hospital “U sv. Anny” in Brno

The strategy of implementing PACS at the Teaching Hospital in Brno in 1998-2008 (15´)

Burian J.

Teaching Hospital Brno

IZIP – sharing medical information on the Internet – the present and future (10´)

Mládek T., Pajr M.

IZIP, s.r.o.

10.35 – 11.00 h Coffee break

11.00 – 12.00 h Transmissions

PACS at the Teaching Hospital Brno (15´)

Šula L.

Teaching Hospital Brno, SIEMENS s.r.o., division of medical technology

PACS and communication (15´)

Mačát M.

Medical Solution, OR-CZ spol. s r.o.

PACS at the Masaryk Oncology Institute (15´)

Krpálek J., Pokorný M.

Masaryk Oncology Institute, ICZ a.s.

**Demonstration of remote access to the PACS system
AGFA IMPAX at the Teaching Hospital Olomouc** (15´)

Heřman M., Adámek Z.

Teaching Hospital Olomouc, Radiology Clinic of Faculty of Medicine UP, Health Care Division

12.00 – 14.00 h Firm presentations

System integration of extensive PACS solutions (15´)

Adam M.

IBM

WM PACS – life story of a patient in images (15´)

Bureš V.

Medicalc software s.r.o.

Sharing and consolidation of patients' data in the network of health establishments (15´)

Münz J., Miller L.

SMS spol.s r.o.

WORKFLOW operation in the FUSION PACS system (15´)

Seidl L.

FOMEI a.s.

PACS (RDG Medea StaproTomocon) (15´)

Bednář J.

STAPRO s.r.o.

**GE Healthcare: CENTRICITY – Point of Decision strategy
Complete patient's data at the place where decisions
are made about further treatment (15´)**

Kaloš M.

medisap, s.r.o.

Digitalisation of the X-ray photograph (15´)

Šiška R.

Kodak Czech, spol. s r.o.

Paper to an electronic reporting system (15´)

Graham B.

Medtronic Emergency Response System (EMEA)

14.00 h Lunch

General information

- Venue:** Congress Centre Brno
Výstaviště 1 (at the main entrance to the exhibition centre), Brno
- Transport to venue:** Public transport: tram No.1 from the main railway station direction Pisárky, Bystrc – tram stop Výstaviště
Motorists: see map at www.symma.cz
- Parking:** At the Congress Centre or in Hlinky Street
- Kongresové poplatky:** For CLS JEP members **950,- CZK, incl. 19% VAT**
Others **2 200,- CZK, incl. 19% VAT**
(the congress fee covers the Book of Abstracts, conference proceedings on CD Rom, refreshments during the congress and social party)
- Lunch:** on 31 March and 1 April lunch will be provided for Congress participants in the Congress Centre restaurant; price 120.- CZK incl. 19% VAT
- Translations:** Simultaneous translations during the entire Congress
- Accompanying exhibition:** Accompanying exhibition of firms will be staged in the adjacent rooms of the Congress Centre. For details please contact the SYMMA Agency.
- Social Party:** Social party for conference participants is held in the Congress Hall of the Holiday Inn Hotel from 20.00 to 24.00 h on 31 March 2005.
- Cancellations:** No congress refund if participant fails to attend. The participant can substitute another attendee to take his/her place.

Information for lecturers:

Lecturers do not pay congress fee.

- Congress languages:** Czech, Slovak, English – simultaneous interpretation.
- Time limit for lecturers:** All lecturers will be informed about the time limit for their presentation. Please do not exceed this limit. If you do, the chairperson will interrupt your presentation.
- Conference facilities:** Data-projector, PC and video (connection of own notebook possible) and Internet connection. You can try out all the facilities before the congress or during coffee breaks.
- Presentations:** On CD, diskette or USB Flash disc please.
- Abstracts:** Abstracts will be published in the Book of Abstracts, which each Congress participant will receive. The texts were not subjected to language corrections.
- Full wording of lectures:** Each congress participant will receive a CD Rom with the full wording of the presentations.
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