Conference Programme

Thursday November 23rd

T1 Collecting and Calculating Medical Data via the Internet — Workshop Remote Data Entry (RDE): Designing and Implementing Solutions for Your Medical Business 241
By M. Egbring, G. Hindricks, H. Kottkamp, C. Elsner

T2 How to Create Dynamic Interactive Medical Web Applications 241
By A. Robert, M.D. Pretlow

T3 Qualité de l'Information Médicale sur Internet 242
By M. Jamoulle

T4 Internet and Human Genetics 242
By G. Bottu, V. Ledent (Belgian EMBnet Node)

T5 Security, Electronic Signatures and Pseudonymisation Services 243
By F. De Meyer

Hospital Intranet Development 244
By T. Fiers

T6 XML
By T. Arvanitis

Friday November 24th

Keynote 1:

Helga Rippen: A Global eHealth Code of Ethics: Vision and Challenges 165

Oral 1: Clinical Applications 1

op06 IRIS: An Internet Based 3D Radiotherapy Planning and Information System 168
A. Lüttgau, M.A. Keller-Reichenbecher, W. Schlegel, R. Bendl

op22 Patient E-Care: Present and Future Applications 176
A. Robert, M.D. Pretlow

op44 Data Driven WAP Applications for Medical Information Handling 187
J. Dørup, M. Schacht Hansen

op29 Synchronized Rendering of Multimedia Radiological Information: Development of an Internet-Based Application 179
R. Van de Walle, B. Rogge, I. Lemahieu

op30 A Platform-Independent Datamining / Quality-Management-System with PHP3 and mySQL: a Project Study 180
M. Egbring, S. Grafe, G. Hindricks, H. Kottkamp, C. Elsner

op76 Advanced Information Management for Health Care in Regional Context Using Reference Models and Internet Technology 202
G. von der Weiden, M. Haischer, A. Weisbecker

Oral 2: Telemedicine 1

op59 The UK Telemedicine Information Service
J.S. Briggs, A.K. Francis, K.A. Smith, R.G. Curry, B. Madge 194

op05 EU-TeleInViVo: 3D Ultrasound Telemedical Portable Workstation
G. Kontaxakis, S. Walter, G. Sakas

op12 An Intranet-Extranet Telematic System for Women and Gynecologists
A. Starita, K. Cerbioni, E. Palanca, D. Majidi, R. Fontanelli

op41 Design and Development of a Web-Based System for Early Recognition and Monitoring of the Diabetic Retinopathy 186
P. Ladyzynski, J.M. Wojcicki, K. Chihara

op49 INCAS: a Telemedicine Network for Multi-Diagnosis Consultation Services 188
C. Colombo, A. Castelli, B. Salvatore, A. Lesma, N. Dal Degan

op53 Security Considerations on the Development of an Internet-Based Infrastructure for Telepathology: the Approach of the Italian Network of Telepathology for Research, Education and Quality Control 190
V. Della Mea, V. Roberto, F. Barbarino, C.A. Beltrami

Keynote 2:

Ilias Iakovidis: From Medical Records to Personal Health Records: The Critical Role of Internet on the Road to Citizen Centered Care 166

Oral 3: Medical Education

op09 From Satellite to Web: a CME Case Study
H.L. Young

op28 Creating Resources for e-Learning in French Medical Universities 178
F. Le Duff, A. Fresnel, G. Herengt, J.M. Brunetaud, G. Chatellier, S. Darmoni, P. Gillois, D. Pagonis, G. Soula, M. Spector, P. Le Beux

op34 Automatic Management of Uniform Resources Locators for Medical Training 182
S. Ducamp, F. Le Duff, B. Pouliquen, A. Fresnel, A. Burgun, P. Le Beux

op37 ICT in the Education of Medicine: Conclusions of the Inquiry 184
H. Buysse, A. Derese, G. De Moor

op67 An XML and Ontology Based Methodology and Authoring Environment for Medical Information Systems 197
D. Roesner, U. Duerer, H.-D. Esperer, A. Moore, G. Parr, M. Logan, K. Zieger

op74 WebSET: Integrated XML and VR Components for Collaborative Medical Training on the Web 200
A. Emmen, N. John, L. Versweyveld

op84 Improvement of Diagnostic Accuracy by Use of a New Software System and Distribution of Visual Expert Knowledge via the Internet 209
J. Meyrowitsch, M. Høier-Madsen, C. Ingwersen, P. Charles, J. Forslid, A. Wiik

Evidence Based Medicine

op95 Building Web-Enabled Drug Information Centers with Traditional Word Processors, Markup Language, Telematics Standards and Controlled Thesauri 213
R.H. Vander Stichele, J. Van Campen, A. Attipoe, G. Thienpont

op79 CE-Net — UBHT's Intranet Portal to Support Evidence-Based Medicine in a Large NHS Trust 205
J. Osborne, M. Palmer
op21 Evidence-Based On-call 176
C. Ball, R. Phillips

Oral 4: Epidemiology, Security and Impact

op04 The Epidemiological and Territorial Health Information Can Support Strategic Decision
R. Benardon 167
op57 Intra/Extranet System for Clinical and Epidemiological Studies 192
F. Sicurello, A. Nicolosi, M. Villa, S. Mannino
op63 Constraints on the Free Flow of Information about Outbreaks on the Internet: the ProMED-mail Experience 195
J. Woodall, C.H. Calisher
op91 Towards Internet-Based Epidemiology: Integration of Distributed and Heterogeneous Clinical Data Sources 211
G. Potamias, C. Christofis, M. Tsiknakis, S. Orphanoudakis

Security

op14 Development of a High Level Security Policy (HLSP) for the Processing of Medical Data and their Transmission through the Internet 170
C. Ilioudis, G. Pangalos
op17 Using Digital Certificates for Access Control in Clinical Intranet Applications 173
I. Mavridis, C. Georgiadis, G. Pangalos, M. Khair

Impact

op18 Reading Factor as a Credible Alternative to Impact Factor: a Preliminary Study 174
S.J. Darmoni, F. Roussel, J. Benichou, G.C. Faure, B. Thirion, N. Pinhas

Quality of information on the Web
Workshop: E-Content: The Challenge to Provide Quality Health Information
G. Eysenbach

Posters 1:

po64 Online Questionnaire COUGH 231
K. Dmitriev, K. Adojaan, J. Aru, K. Sergejeva
po86 Clinical Quality Guidelines in a Lotus Notes Based Intranet
C. Bobrowski, G. Kreymann, H. Greten
po87 Use of the Inernet Technologies — Important Tool of Research Work 237
A. Karas, I. Mathes
po11 Numerical Taxonomy Methods in Telemedicine 218
T. Postelnicu
po54 The Study of the Net Management of the Computer Digital College and Back-Writing CT or MRI Image in the Application of Clinic and Remote Consultation 230
Wang Zhihong, Jing Yusheng
po26 Bayes Diagnostic Model on the Internet 220
B. Kanagaratnam

Posters 2:

po45 Are we Ready for Internet-Based Teaching of Medicine? 227
S. Linn, I. Leijbkowitz

po48 Health Care Information Systematization in the Health Secretary of Buenos Aires City Government and Health Information Accessibility Improvement for the Inhabitants by the Application of a Interactive Health Communication (IHC) Program 229
A. Cacherosky, A. Schiavoni, E. Litera, P. Bonazzola, L. Licciardi

po27 Web Pages as Standard Communication System with Medical Students 221
M. Petrovecki, L. Bilic-Zulle

po42 Construction of a Web-Based Knowledge Database for Nuclear Medicine 226
J. Versijpt, C. Bekaert, E. Nolf, F. Jacobs, R.A. Dierckx

po46 A Telematic System for Learning 228
L. Garelli, M. Bisconcin, G. Maso, M. Pucci, J. Goedhuys, C. Geens, N. Mathers, R. Glendenning

po47 Quizmaker: a Simple Way to Make Online Questionnaires 229
L. Garelli, M. Bisconcin, G. Maso, M. Pucci, G. Filocamo

po68 Preventive Medicine / Interactive, Internet-Supported CD-ROM for Non Health Care Professionals (W.I.P.) 233
B. Daled-Rosseel, L. Lambrecht, E. Macken, A. De Wash, M. Vanbellinghen

po56 MyPACS: a Simple Web-Based Radiological Image Management System 231
B.K. Szabo

po83 A WEB System Achitecture to Support Medical Teaching at University 235
A.K. Barbosa, R. Belian, M. Novaes

po90 Internet as a Tool for Guideline Development 238
J.J. van Croonenborg, C.J.G.M. Rosenbrand, D.J.B. Vermeij

po02 Internet Technology: Proven Strategies that Solidify the Patient-Physician Partnership and Improve Patient Health Outcomes 217
A. Rose

Po08 Use of the Internet in Medicine 217
D. Siebrecht, H. Lax, W. Popp, M. Ruenzi, K.-H. Joeckel

Saturday November 25th

Keynote 3:

Eric Souêtre: Healthcare and the Growing Need for Connectivity 165

Oral 5: Telemedecine 2:

op58 Visually Lossless Image Compression for Teleradiology 193
W. Stefanon, D. Auer, M. Grobovschek, L. Auer

op03 Virtual sonography in Internet
J. Vilarchao-Cavia, O. Ferrer-Roca, M. Clavijo, J.M. Troyano

op77 Telemedicine and Elderly Care: Towards an Internet Blood Pressure Monitoring System 203
J.S. Briggs, C.J. Fitch, R.A. Beresford

op78 Applying the 3-D Wavelet Transform to Transmit Medical Video in Telemedicine 204
G. Bernabé, J. González, J. García, J. Duato

op80 XML Technology in Support of Clinical Protocols for Teleconsultation 207
C.E. Chronaki, P. Lelis, M. Tsiknakis, S.C. Orphanoudakis
op89 TeleCardio-FBC: an Application of Telemedicine for Cardiology 210
K. Villela, M. Montoni, J. Blaschek, A. Rocha, A. Rabelo Jr.

Oral 6: Clinical Applications 2:
op39 Healthcare Scheduling in the Internet Age — New Forms of Healthcare Delivery 186
H. Schellens
op23 Interactive Medical Web Sites for Children and Teenagers 177
A. Robert, M.D. Pretlow
op61 SNOMED RT: an International Terminology Infrastructure for Clinical Internet Applications 195
D. Aschman
op69 The Medical Practice Website 198
J.W. Van der Slikke, L. Loimer
op33 Comparing Paper-based vs. Internet-/Handheld-Based Clinical Trial Coordination in a Study on Hernia inguinalis: How good is Cost/Benefit Ratio? 181
C.H. Elsner, M. Egbring, A. Wolf, A. Merz, H. Kottkamp, G. Hindricks
op15 Evaluation of the Patient Internet Cafe at Rouen University Hospital 171
M. Douyère, K. Böer, I. Sanchez, S.J. Darmoni

Keynote 4:
Bill Silberg: The Web as a Global Medical Information Tool: Opportunities and Challenges 166

Oral 7: Medical Records:
op19 Internet Patient Records: New Techniques 175
S. Moehrs, G. Brelstaff, P. Anedda, G. Zanetti, M. Tuveri
op25 A Web-Based Electronic Medical Record System, Based upon the GEHR-Architecture 178
P. Hendrickx, F. Verbeke
op36 DNS/Hostmaster Architecture in the Greek Network of Healthcare and Welfare Services 183
P. Lampsas, A. Vagelatos, D. Sofotassios, C. Papanikolaou
op38 A Clinical Internet Trial Management System — Citmas 185
K. Nelausen, H.H. Hansen
op50 An Infrastructure for Integrated Electronic Health Record Services: The Role of XML 189
D. Katehakis, S. Sfakianakis, M. Tsiknakis, S. Orphanoudakis
op66 Structured Data Management and Electronic Communication for Internet Based Virtual Health Record Environment 196
P. Sweeney
op73 Internet & Electronic Medical Records in Dutch Burn Care Unit 199
P. Doupi

Oral 8: Portal Sites and Legal Issues:

op07 Internet of Dublin Core Metadata in CISMeF, a Structured Health Resource Guide on the Internet 169
B. Thirion, S.J. Darmoni, J.P. Leroy, M. Douyère, J. Piot

op55 The Use of Internet for Health Purposes in Brazil 191
R.F. Bruns, J.S. Dias, E.R. Sbrissia, L.E.A.M. Martins, F.V. Rocha

op75 Redesign of the Virtual Medical Community Portal Site — Experiences with Application and Integration of XML/XSLT Software 201
A. Emmen, L. Versweyveld

op81 Patients-Online: First-Hand Knowledge — from Patient to Patient. First Experiences with the Austrian Prototype (www.patients-online.at) 208
H. Ebner, M. Muellner, R. Ernst, K. Schuetz-Mueller

op93 Internet-Based Health Information System for Indonesian Decentralised Health Services 212
A. Fuad, L. Trisnantoro, J. Jeugmans

op72 Ethical Codes for Internet Health Information — Consensus in the Horizon? 199
K. Lampe, P. Doupi

op97 A Software Agent for Systemic Retrieval of Medical Information from the Internet 215
P.A. Kokkinidis, L.P. Gatsoris, A.E. Germenis

Poster 3:

po31 Moderating Rhythmologic Topics over the Internet: a First Years Experience at the Heart Center Leipzig 222
C. Elsner, G. Hindricks, M. Egbring, H. Kottkamp

po65 Integrating MedFrame Databases in the MediMedia Medical Image European Network 232
F. Barbini, A. D'Atri, V. Mauro, G. Zini, B. Zobel

po40 Internet as a "Transparent" Management Tool. First Experience in a National Institute of Health and Social Services in Argentina 225
A. Melamud, R. Altrudi, R. Herrero, E. Rodas, G. Martín

po16 In Vitro Diagnostic Net E-Marketing for Life Science (http://www.ivd-net.com) 219
M. Dressel

po24 How to Neutralize Healthcare Professionals' Fear of E-Health: a Simulated Patient eCare Project 219
C.M. Stock

po32 Attitude towards Gaining Medical Information in Mideuropean Population — First Results 223
A. Wolf, G. Hindricks, M. Egbring, D. Sem, C. Elsner

Poster 4:

po35 S.O.S. — Sustaining Oncology Studies: a Comprehensive Website in Oncology 224
W. Horn, A. Colacci, F. Molina, L. Motta, L. Santi

po43 Use of an Intranet-Based Electronic Patient Record System in Laser Medicine 226
A. Daskalaki, A. Lazakidou, C. Philipp, C. Jacob, H.-P. Berlien

po70 Medical Informatics & The Internet / Viewpoint from an Outpatient Clinical Center 234
L. Lambrecht, L. Vandecaveye, X. Goemanne, J. Stas, A. Van Olmen, C. De Mil

po71 The Production of an On-line Medical Textbook 235
J. Spafford, H. Goepfert

po86 Clinical Quality Guidelines in a Lotus Notes Based Intranet 236
C. Bobrowski, G. Kreymann, H. Greten

Sunday November 26th

T7 How to Use Pretty Good Privacy (PGP) 244
By T. Putzeys, M. Michaux
T8 Health Information Europortal Tutorial 245
By O.H.B. Gyde
T9 WEB PACS Application of Web Technology for Distributing Digital Images in and outside a Hospital 245
By J. Schillebeeckx, E. Ranschaert