Conference Programme

Monday June 18th

Opening session

Chairman: Ewert Bengtsson  
Head of the Virtual IT-faculty  
Senior adviser to the vice chancellor of Uppsala University, Sweden

Welcome to Uppsala  
Bo Sundqvist  
Vice chancellor of Uppsala University, Sweden

Welcome to a challenging conference  
Steinar Pedersen  
President of the International Society for Telemedicine, Norway

Telemedicine - A tool for a new structure of health care in Sweden  
Lars Engqvist  
Minister for Health and Social Affairs, Sweden

e-Health: its meaning to development, and its requisites?  
Salah Mandil  
Director-Advisor, Health Informatics & Telematics, WHO, Switzerland

Opening session - continued

Chairman: Bengt Westermark,  
Head of the Medical Faculty,  
Senior adviser to the vice chancellor of Uppsala University, Sweden

On the future of telemedicine  
Rashid Bashshur  
President American Telemedicine Association, USA,  
Director of Telemedicine, University of Michigan Health System,  
Editor-in-Chief of the Telemedicine Journal and E-Health

The experience and economic effects of tele-home-care in Japan  
Masatsugu Tsuji  
Dean and Professor of Economics, Osaka School of International Public Policy (OSIPP), Osaka University, Japan
Telemedicine: A methodology for assuring quality of performance of health care professionals
James O’D McGee
Chairman of the Global Federation of Telemedicine, UK

Welcome to most exciting days in Uppsala – All of you will feel the warmth of our hospitality
Hans Kollberg
President of the local organising committee, Sweden

Tuesday June 19th

Plenary session – Telemedicine as a tool for a more equal distribution of health in the world I
Chairman: Bo Wikström,
Associate professor, Huddinge University Hospital, Stockholm, Sweden

Telemedicine as a tool for equalising the distribution of healthcare in the world
Peter J. Buxton
Surgeon Commander Royal Navy, UK

Virtual reality and robotics in medical education
Christoph R. Kaufmann
National Capital Area Medical Simulation Center
Uniformed Services University, USA

Technologies for global dissemination of telemedicine: Mobile communication, ubiquitous computing and nanotechnology
Richard M. Satava
MD, Professor of Surgery, Yale University, New Haven, CT

Electronic Patient Records - Patient empowerment: personal health records
Peter Waegemann
Executive Director, Medical Records Institute
Chair, American National Standards Institute’s Healthcare Informatics Standards Board
Chair, US TAG to ISO Technical Committee 215 on Health Informatics (ISO TC 215)

Plenary session – Telemedicine as a tool for a more equal distribution of health in the world II
Chairman: Mehari Gebre-Medhin
Professor International Child Health, Uppsala University, Sweden

World Health Chart, a new enjoyable tool for display of health statistics
Hans Rosling
Professor of International Health, Karolinska Institute, Sweden

Telemedicine - A contributor to improving health systems performance
Orvill Adams
Director Department of Organization of Health Services Delivery, WHO, Geneva, Switzerland
Can eHealth cross the digital divide?
A pro/con discussion lead by Hans Kollberg

Can eHealth cross the digital divide? 300
Ricky Richardson
*M.D. Chairman of the UK Telemedicine Association, UK*

Can eHealth bridge the digital divide? - A response to Dr. Ricky Richardson 301
Benedict Stanberry
*Director Secretariat Law, Ethics and Risk in Telemedicine, UK*

Parallel session – Telemedicine as a tool for a more equitable distribution of health care delivery around the world (satellite conferences and demonstrations)*
Chair: Stefan Cajander, Co-chair: André Morin
*see separate programme*

Parallel sessions
Major incidents. The past, present and future of training and care
Chair: Peter Buxton, Co-chair: Lars Lundberg

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Christoph R. Kaufmann

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Electronic patient record
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Pål Lindström

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OP07: The Electric Patient Record: Improving quality of care in health documentation
Claudia Tessier

OP08: HL7 and the electronic health record - What do they have in common?
W. Ed Hammond

OP09: Using a medical knowledge navigator in order to treat patients according to best practice
Kent Wreder

Telemedicine in the Baltic and Arctic regions
Chair: Siri Uldal, Co-chair: Urban Pontén

OP10: Telemedicine in rural areas - satisfied patients and increased medical competence.
L. Carle, C. Made, S. Hellström

OP11: Experience from the regional pediatric telemedicine network establishing
Andrey V. Manankov

OP12: Telemedicine in Greenland –The first results from the evaluation
Thomas Steensgaard

OP13: Application of an international telemedicine project for Otolaryngology (LITMED)
V. Uloza, L.O. Almquist, K. Povilaitis, R. Rydell, O. Svensson, Uloziene

OP14: From pilot projects to a business plan for telemedicine - Telemedicine in a regional perspective in Västerbotten County, Sweden
P.O. Söderström

OP15: The functioning of General Regional Telemedicine Network in Arkhangelsk County
Junel T. Amerkhanov, Andrey V. Manankov

Virtual reality, trauma and ambulance
Chair: Mats-Ola Svensson

OP16: Trauma telemedicine
Michael Caputo

OP17: The scenario
Mats-Ola Svensson
Teledentistry

Chair: Kenneth A. Eaton, Co-chair: Sabine Koch

OP18: Telematics in clinical dentistry and remote dental education
Sabine Koch

OP19: The integrated use of videophones and CD ROMs to overcome bandwidth limitations during videoconferenced lectures
Kenneth A. Eaton

OP20: Telematic dental articulation system for remote teaching in collaborative virtual environments
Stefan Seipel

OP21: Dental Undergraduate Education by Teleconferencing (DUET): Experiences over the last 4 years
Patricia A. Reynolds

OP22: Auditing orthognathic surgery through telemedicine
Sven Öberg, Kaj Finne

OP23: Orthodontic advice using Teledent SW
Christopher Stevens, Julian Cook

Telemedicine in remote area

Chair: Steinar Pedersen

OP24: Telemedicine in Algeria: Current status and future Prospects
N. Anane, Z. Brahimi, K. Ait-saadi, N. Baraka

OP25: Telemedicine in Romania
F.I. Topoliceanu, R. Ciorap, A. Polydorou

OP26: Experiences with implementation of telemedicine as routine services
Per Christian Lindberg

OP27: The Cuban national telemedicine program
David Krasnow

OP28: Training of health personnel on “TELEMEDICINE TECHNOLOGY” – A practical approach
R.S. Khandpur, S.P. Sood

OP29: Emergence of telemedicine and e-health services in South Korea
Toral Patel
**Wednesday June 20th**

**Early bird session - Real time contact with Hong Kong**

Telemedicine in Hong Kong
Professor Clarke Hazlett

**Plenary session – Creating value for the patient**

Chairman: Gudjon Magnusson  
*Vice Chancellor, Nordic School of Public Health, Iceland*

Using the Internet: Patients and providers develop new forms of care  
Laurel Simmons  
*Director of Knowledge Management, Institute for Healthcare Improvement, Boston, USA*

Prevention and care on the net - Virtual services on drugs and alcohol  
Teuvo Peltoniemi  
*Chief information officer, TIIMI, A-Clinic Foundation, Finland*

Creating partnerships with users to develop and evaluate telemedicine support services for older people and their family carers  
Lennart Magnusson  
*ÄldreVäst Sjuhärad and the Department of Health Sciences, University College of Borås, Sweden*

**Plenary session – Creating value for the patient: Facts and fiction**

**TELEMEDICINE IN UPPSALA AND SWEDEN**

Chairman: Anders Fagerlund  
*Director for Telemedicine development, University Hospital, Uppsala, Sweden*

A live video demonstration of a clinical round with an expert panel from the university hospital supporting the staff and patients at a distant district hospital  
Stefan Cajander a, Maggie Granstrand b, Inga Sjöberg c, Rose-Marie Toffia d, Nils-Olov Gustavsson d and Ulf Oscarson d  

a*Department of Pathology, Centre for Laboratory Medicine, University Hospital, Uppsala, Sweden*  
b*Department of Oncology, University Hospital, Umeå, Sweden*  
c*Department of Gynecology, University Hospital, Umeå, Sweden*  
d*Department of Gynecology, Skellefteå Hospital, Sweden*  

Traumasupport  
Claes Juhlin, Pjotr Tracz  
*University Hospital, Uppsala, Sweden*

**Baltic International Telemedicine NETwork -- the BIT NET Project**

Anders Fagerlund, Uwe Ewald, Urban Pontén  
*University Hospital, Uppsala, Sweden*
Sjunet – The IT-infrastructure for healthcare
K.G. Nerander
Carelink, Stockholm, Sweden

Neurophysiology in the National IP-net
Roland Flink
Department of Clinical Neurophysiology, Academic Hospital, Uppsala, Sweden

Transparency - a non negotiable ethic in working with patients
Angelica Frithiof
Consultant in medical staff/patient communication based on principles of Narrative therapy
Chairperson of the Stockholm Reumatism Association

Parallel sessions

Telemedicine - A tool for global education
Chair: Leif Hambraeus, Co-chair: Thorkel Tylleskär

OP30: Telemedicine is an appropriate tool to improve education and training – Also in low-income countries
Thorkild Tylleskär

OP31: African Virtual University – A tool for continental education
Peter Materu

OP32: Computerized health information systems for increased local training and responsibility
Jørn Braa

OP33: Information Technology in the Advancement of Nutrition in Africa (ITANA)
Judith Waudo

OP34: CD–based nutrition material for undergraduate training in Africa
Prisca Tuitoek

OP35: Can computer-based training programs be usefully used outside the country of origin?
Leif Hambraeus

Telepsychiatry
Chair: Russel D’Souza, Co-chair: Frits-Axel Wiesel

OP36: Telepsychiatry in the UK: An overview
Paul McLaren

OP37: Telehealth in rural and remote mental health – A Review of the use of telepsychiatry in education, training, treatment and discharge planning.
R. D’Souza, H. Hustig
Ann Oberkirch

OP39: Outcomes of a pilot tele-education and training programme for rural and remote mental health clinicians in South Australia
D. Rich, R. D’Souza, H. Hustig

OP40: Social support in a wired world – Use of online mental health forums in Norway
Per Kummervold

OP41: Health economic evaluation of a tele-mental health service for Australian remote and rural psychiatric patients
R. D’Souza, W. Montgomery

Quality assurance
Chair: Magnus Hjelm, Co-chair: Angelica Frithiof

OP42: Literature Search on Clinical Trials in Telemedicine
R. Hsieh, N.M. Hjelm

OP43: The expressivity of the virtual patient
N.M. Hjelm, R. Hsieh

OP44: The human factors in telemedicine
M. Clarke, R.W. Jones

OP45: Professional mobile IT-tool for physicians
Ola Landgren

OP46: Telemedicine from a patient’s perspective
Angelica Frithiof

Organisational and juridical aspects
Chair: Leif Erik Nohr, Co-chair: Bo Wikström

OP48: The UK Telemedicine Information Service
Jim Briggs

OP49: Disneyland and the future of healthcare
Olof Jarlman

OP50: The law and politics of telemedicine in Rural America
Ross D. Silverman

OP51: The legal aspects of telemedicine: the developing drama
Wayne Bell
OP52: Alternative futures of worldwide healthcare systems: The impact of globalization
Alan Mease

OP53: The System of an Electronic Patient Record (EPR) – A logical and functional design
Andreas Lux

Telepathology
Chair: Stefan Cajander, Co-chair: Ronald Weinstein

OP54: Keynote: Telepathology – The networking of pathology diagnostic services
Ronald Weinstein

OP55: Digital cytology
Björn Risberg, Aasmund Berner

OP56: Telepathology in Central and Northern Sweden – A broad and global approach
Stefan B. Cajander, Elin Bondestam, Ulf Oscarson, Thomas Höckenström, J. Vasco

OP57: A multifunctional telepathology network in the Uppsala region linked to Norway

OP58: PatNet - THE NORWEGIAN PATHOLOGY NETWORK - [www.patologi.net]

OP59: Laboratory medicine at a distance - A new and extended approach in Northern Sweden -
Janos Vasko, Stefan B. Cajander, Roger Stenling

OP60: Effective implementation of a telemedicine application - From idea to routine service -
Eva Normark, Emöke Dimeny, Lennart Lundberg, Birgitta Sundelin, Janos Vasko, Stefan B. Cajander

Web based healthcare and education
Chair: Göran Petersson, Co-chair: Jonas Boberg

OP61: Evaluation of web based healthcare and education
Göran Petersson, Leif Åkerlund, Henrik hansson, Johan Nilsson, Göran Umefjord

OP62: Distant learning via videoconferencing
Rigmor Furu

OP63: A Web-based solution to distribute educational video-on-demand accessible to people with disabilities
Gennaro Pepe, Andrea Garlaschelli
OP64: XML-based language for Teleeducation  
Stanislaw Polak, Renata Slota, Jacek Kitowski

OP65: PEBBLES - Providing education by bringing learning environments to students  
Michael McHale

OP66: Summary and future directions  
Bodil Bach

Teleradiology and -cardiology
Chair: Olof Jarlman

OP67: Breast imaging and the Internet  
Olof Jarlman

OP68: Still image teleconsulting for interventional cardiology in Georgia  
Z. Kirtava, A. Aladashvili, G. Chapidze

OP69: Implementation of a web-based cardiac rehabilitation program to cardiac patients in regional, rural and remote areas of Canada  
Joanna Bates, Joy Johnson, Martha MacKay, Scott Lear, Albert Brosseuk

OP70: Telecardiology: a diagnostic tool for reduction of unnecessary hospital admissions for suspected cardiac events  
A. Rolandi, M. Leoncini, C. Balzan, F. Pirlo, F. Pisano, F. Ferraris, G. Molinari

OP71: Prehospital thromolysis and decision support in emergency ambulances in Uppsala – Experiences using mobile telematics  
Rolf Karlsten, Bengt Arne Sjöqvist

OP72: Home care and remote monitoring system allowing expert advice to be generated ex situ  
K. Port, R. Nõlvak, A. Reinsalu

Tele homecare
Chair: Ricky Richardson, Co-chair: Emma Rylander

OP73: TelemediCare – Homebased hospitalisation  
Ole Martin Winnem

OP74: The hospital without walls – A home telecare system incorporating wireless monitoring  
OP75: Tele homecare service system – A challenge for family doctors’ practices
Maria Magdalena Bujnowska-Fedak, Andrzej Staniszewski

OP76: Mobile medical telemonitoring system
Yves Depeursinge, Jean Luprano, Georges Kotrotsios

OP77: Telemedicine and home care – A SWOT-analyses
Marit Lindberg, Hanna Eriksson, Marina Assarson, Göran Westman

OP78: Realization of personal telemedicine in the interface point of emergency services and preventive care
Golovner Michal

Administration and economics
Chair: Björn-Erik Erlandson

OP79: Economic aspects of telemedicine: Some prospective views
Stefan Håkansson

OP80: Information technology support in health care and social work – An interdisciplinary course
S. Hellström, E. Persson, P. Eklund, A.-C. Olsson, C. Westin-Bohman

OP81: Information infrastructure for health care
Margunn Aanestad

OP82: Substitution of doctors by nurses in telemedicine
I.H. Monrad Aas

OP83: Infusion of telemedicine in Västerbotten – Some critical aspects after five years experience
C. Made

OP84: A system for telemedicine and medical consultations at sea
Bengt Arne Sjöqvist, K. Lindcrantz, S. Martinell, A.R. Silberberg, P. Örtenwall

Thursday June 21st
Plenary session – “How will we proceed?”
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Federation of Swedish County Councils, Sweden

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President of the Free Software Foundation, Boston, USA
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M.D., Chairman of the UK Telemedicine Association, UK

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Louis Lareng  
Director Institut Européen de Télé Médecine

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Henrik Linderoth  
Assistant Professor, Department of Business Administration, Umeå School of Business and Economics, Sweden

Gudjon Magnusson  
Vice Chancellor, Nordic School of Public Health, Iceland

End of enchanting days
Panel discussion with Ricky Richardson, Louis Lareng, Henrik Linderoth and Gudjon Magnusson
Discussion leader: Steinar Pedersen  
President of the International Society for Telemedicine, Norway

Summing up
Hans Kollberg, Conference President
Björn-Erik Erlandson, Chairman of the local organizing committee of the 6th International Conference on the Medical Aspects of Telemedicine

Welcome to Germany
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Chairman of the local organizing committee of the 7th International Conference on the Medical Aspects of Telemedicine

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