European Congress on e-Cardiology & e-Health
Kursaal Bern | Switzerland
29 - 31 October 2014
<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>09:00 - 10:30</td>
<td>Chronic disease management with telemedicine &amp; e-Health</td>
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<td>e-Health: The view of the clinicians</td>
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<td>11:00 - 12:30</td>
<td>e-Health and telemedicine in clinical practice</td>
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<td>e-Health and telemedicine: Chances and challenges for the pharmacist</td>
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<td>13:15 - 14:45</td>
<td>Mobile health - towards clinical application</td>
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<td>15:15 - 16:45</td>
<td>Mobile health and its potential for prevention and health promotion (Health Promotion Switzerland)</td>
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<td>17:00 - 18:30</td>
<td>How to use telemedicine to keep elderly people independent</td>
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<td>e-Health and telemedicine: The role of the government</td>
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<td>09:00 - 10:30</td>
<td>Inaugural Session International Congress</td>
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<td>Telerehabilitation in cardiovascular care</td>
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<td>Remote electrocardiographic recordings and analysis</td>
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<td>13:15 - 14:45</td>
<td>Telemedicine in chronic disease management</td>
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<td>Contributions of telemedicine to reduce the burden of stroke</td>
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<td>15:15 - 16:45</td>
<td>Telemedicine in chronic disease management - various applications</td>
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<td>Telemonitoring in cardiac device therapy</td>
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<td>17:00 - 18:00</td>
<td>Big data in healthcare: A computer science perspective?</td>
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<td>New developments in remote monitoring of patients with devices</td>
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<td>Discussion Forum: Safety &amp; privacy in telerehabilitation</td>
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<td>13:15 - 14:45</td>
<td>Joint Session with HFA: Overcoming barriers in implementing exercise training in HF: is e-Health a solution?</td>
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<td>Telemedicine - clinical applications</td>
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<td>Towards interoperable health record summaries</td>
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<td>Transforming the patient experience with telehealth in Europe: focus on new health care service models</td>
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WEDNESDAY, 29 October 2014 - SWISSDAY

Registration
Exhibition & Poster Presentation
Session 1
Session 2
Coffee Break
Session 3
Session 4
Lunch Break
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Session 6
Coffee Break
Session 7
Session 8

THURSDAY, 30 October 2014

Registration
Exhibition & Poster Presentation
Session 9
Session 10
Coffee Break
Session 11
Session 12
Lunch Break
Session 13
Session 14
Coffee Break
Session 15
Session 16
Networking & Social Event
Session 17
Discussion Forum

FRIDAY, 31 October 2014

Registration
Exhibition & Poster Presentation
Session 18
Session 19
Coffee Break
Oral Abstract Presentations 3
Session 20
Session 21
Lunch Break
Session 22
Session 23
Coffee Break
Session 24
Session 25
Business Speed Dating
From 08:00 - 13:30 REGISTRATION

2 parallel sessions 9:00 - 10:30:
09:00 - 10:30

CHRONIC DISEASE MANAGEMENT WITH TELEMEDICINE & e-HEALTH
Chairpersons: M. Wilhelm, A. Hoffmann

09:00  Swiss Heart Coach - current state and expectations
A. Hoffmann, University of Basel | Switzerland
09:20  Chronic Care Management - promises and challenges
M. Bethke, Medgate, Basel | Switzerland
09:40  The 5 pitfalls to be avoided when implementing an e-Health solution for diabetes management - an industry view
P. Jäggi, Roche Diagnostics, Rotkreuz | Switzerland
10:00  eMedication and shared care plan for complex patients
U. Stromer, Business Unit eHealth, CH Post AG | Switzerland
10:25  Panel Discussion

09:00 - 10:30

e-HEALTH: THE VIEW OF THE CLINICIANS
Chairpersons: D. Aronsky

09:00  Clinical application: Emerging questions but few answers
tba
09:20  Interoperability and connectivity: Essential components in e-Health and telemedicine
J. Bleuer, Bern | Switzerland
09:40  Public Health and Telemedicine: The view of the Canton Bern
J. von Overbeck, Bern | Switzerland
10:00  Added value of computer-based decision support
D. Aronsky | Switzerland
10:20  Panel Discussion

10:30 - 11:00 COFFEE BREAK

TECHNICAL DEMONSTRATIONS & PRESENTATIONS AT THE EXHIBITION STANDS
2 parallel sessions 11:00 - 12:30:

11:00 - 12:30

**e-HEALTH & TELEMEDICINE IN CLINICAL PRACTICE**
Chairpersons: C. Brockes

- 11:00 Teleconsultation in vascular surgery: a 13 year single centre experience  
  C. Schmidt, Zürich | Switzerland
- 11:25 Online-Consultation for psychiatric problems  
  S. Weidt Zürich | Switzerland
- 11:50 LILA - long independent living assistant  
  S. Schmidt-Weitmann, Zürich | Switzerland
- 12:15 Panel Discussion

11:00 - 12:30

**e-HEALTH & TELEMEDICINE: CHANCES AND CHALLENGES**
Chairpersons: H. Saner, G. Spinas

- 11:00 e-Health and telemedicine: potential role for the pharmacists  
  H. Saner, Bern | Switzerland
- 11:15 e-prescription networks: a success story from Estland  
  K. Sepp, Chief Executive and Member of the Board, Estonian pharmacies Association  
  (invited, to be confirmed)
- 11:40 Diabetes, arterial hypertension and lifestyle control: just around the corner?  
  D. Rhyner | Switzerland
- 12:00 DiabMemory  
  D. Hayn | Austria
- 12:20 Panel Discussion

12:30 - 13:15 LUNCH BREAK

**TECHNICAL DEMONSTRATIONS & PRESENTATIONS AT THE EXHIBITION STANDS**

13:15 - 14:45

**MOBILE HEALTH - TOWARDS CLINICAL APPLICATION**
Chairpersons: M. Wilhelm, A. Hoffmann

- 13:15 Introduction  
  H. Saner, University Hospital Bern, CH
- 13:30 Swisscom and mobile health in the Swiss healthcare system  
  S. Santinelli, Swisscom AG, Zürich, CH
- 13:50 Economics of Healthcare Apps  
  M. Zulauf, Swisscom AG, Zürich, CH
- 14:15 Mayo Clinic Research Shows Cardiac Rehab Patients Who Use Smartphone App Recover Better  
  A. Lerman, Mayo Clinic Minnesota, USA
- 14:40 Panel Discussion
14:45 - 15:15 COFFEE BREAK

TECHNICAL DEMONSTRATIONS & PRESENTATIONS AT THE EXHIBITION STANDS

15:15 - 16:45

MOBILE HEALTH AND ITS POTENTIAL FOR PREVENTION AND HEALTH PROMOTION

Chairpersons: T. Mattig, M. Brauchbar

15:15
- Current trends in mobile health and prevention - market drivers and business models
  S. Frey, Institute for Communication and Leadership, Lucerne

15:40
- Mobile health applications in integrated primary health care setting
  M. Denz, Head Santé24

16:05
- Improving health through citizen participation and citizen control
  E. Hafen, Institut für Molekulare Systembiologie, ETH Zurich

16:30
- Panel Discussion

2 parallel sessions 17:00 - 18:30h:

17:00 - 18:30

HOW TO USE TELEMEDICINE TO KEEP ELDERLY PEOPLE INDEPENDENT

Chairpersons: B. Wolf

17:00
- Cost savings and ethical concern in a monitoring system in private home environment
  G. Du Pasquier, Lausanne | Switzerland

17:25
- Activity of daily living recognition in the patient’s home
  T. Nef, ARTORG Center for Biomedical Engineering Research, Bern | Switzerland

17:55
- Third Age Online
  T. Gehrig, Bern University of Applied Sciences | Switzerland

18:20
- Panel Discussion

17:00 - 18:30

e-HEALTH AND TELEMEDICINE: THE ROLE OF THE GOVERNMENT

Chairpersons: S. von Greyerz

17:00
- The e-Health agenda of the Swiss government
  S. von Greyerz, Bern | Switzerland

17:25
- The future of m-Health in Switzerland
  D. Wichenhof | Switzerland

17:50
- Panel Discussion
THURSDAY 30 OCT. 2014

FROM 08:00 - 13:30 REGISTRATION

09:00 - 10:30

INAUGURAL SESSION INTERNATIONAL CONGRESS

Chairpersons: H. Saner (CH), M. Malik (UK)

09:00   The physics behind the art
          G. Aeppli, Center for Nanotechnology, London | UK; Prof. EPFL Lausanne; Director of
          SYN - Paul Scherrer Institut, Villigen | Switzerland

09:20   Don't be a memory stick: Programming learning for school children
          A. Repenning, Prof. for Informatics at the University of Colorado | USA;
          First Professor for Informatics in Schools of the PH - FHNW Switzerland

09:40   Potential of big data for e-Health and telemedicine
          M. Grossglauser, Prof. School for Computer Sciences, EPFL Lausanne | Switzerland

10:00   e-Health and telemedicine: Current situation and future challenges
          H. Saner, University Hospital, Inselspital Bern | Switzerland

10:30 - 11:00 COFFEE BREAK

TECHNICAL DEMONSTRATIONS & PRESENTATIONS AT THE EXHIBITION STANDS

2 parallel sessions 11:00 - 12:30h:

11:00 - 12:30

TELEREHABILITATION IN CARDIOVASCULAR CARE

Chairpersons: P. Dendale (B), F. Köhler (DE)

11:00   Telerehabilitation in heart failure
          E. Piotrowicz, Warsaw | Poland

11:20   Telerehabilitation in hypertension treatment
          V. Cornelissen, Leuven | Belgium

11:40   Telerehabilitation in patients with coronary artery disease
          Hareld Kemps, Eindhoven | the Netherlands

12:00   Telerehabilitation: state-of-the-art
          I. Frederix Belgium, Hasselt | Belgium

12:20   Panel Discussion

11:00 - 12:30

REMOTE ELECTROCARDIOGRAPHIC RECORDINGS AND ANALYSIS

Chairpersons: M. Malik (UK), E. Caiani (I)

11:00   Present use of ambulatory holter recordings
          R. Sassi, Milano | Italy

11:20   ECG recording by smartphone applications
          E. Caiani, Milano | Italy

11:40   Wearable ECG patch
          L. Grieten, Hasselt | Belgium

12:00   A miniature MEMS only based method of detecting atrial fibrillation
          T. Koivisto, Turku | Finland

12:20   Panel Discussion
THURSDAY 30 OCT. 2014

12:30 - 13:15 LUNCH BREAK

POSTER SESSION

TECHNICAL DEMONSTRATIONS & PRESENTATIONS AT THE EXHIBITION STANDS

2 parallel sessions 13:15 - 14:45h:
13:15 - 14:55

TELEMEDICINE IN CHRONIC DISEASE MANAGEMENT
Chairpersons: E. Piotrowicz (PL), G. Krstacic (HR)

13:15    Rehabilitation's aftercare by COMES©
         T. Spittler, Munich | Germany
13:35    Telemedicine System für the Early Recognition of Lung Infections in COPD Patients
         M. Gül, Munich | Germany
13:55    A compact all-in-one medical device of telemonitoring
         J. Clauss, Munich | Germany
14:15    SmartSenior - Intelligent services for senior citizens
         M. Balasch, Deutsche Telekom AG | Germany
14:40    Panel Discussion

13:15 - 14:45

CONTRIBUTIONS OF TELEMEDICINE TO REDUCE THE BURDEN OF STROKE
Chairpersons: C. Chronaki (GR), E. van der Velde (NL)

13:15    The burden of atrial fibrillation
         H. Saner, Bern | Switzerland
13:40    Remote monitoring of cardiac devices; today and in the future
         H. Westendorp, Tolochenaz | Switzerland
14:05    The use of Reveal Linq and Carelink in clinical practice
         J. Steffel, Zürich | Switzerland
14:30    Panel Discussion

14:45 - 15:15 COFFEE BREAK

POSTER SESSION

TECHNICAL DEMONSTRATIONS & PRESENTATIONS AT THE EXHIBITION STANDS
2 parallel sessions 15:15 - 16:45h:

15:15 - 14:45

TELEMEDICINE IN CHRONIC DISEASE MANAGEMENT - VARIOUS APPLICATIONS
Chairpersons: D. Willemsen (DE), P. Dendale (B)

15:15 A telemedical tooth splint for therapy of tooth grinding
J. Clauss, Munich | Germany

15:35 Hypertension and telemedical Feedback therapy
F. Friedrich, Kempten | Germany

15:55 Long-term apoplexy therapy with telematics rehabilitation
K. Hinderer, Munich | Germany

16:10 PUMA - Prevention and motivation in obesity
F. Friedrich, Kempten | Germany

16:35 Panel Discussion

15:15 - 16:45

TELEMONITORING IN CARDIAC DEVICE THERAPY
Chairpersons: J. Fuhrer (CH), M. Wilhelm (CH)

15:15 Remote monitoring of patients with cardiac implantable devices: Technical considerations
E. van der Velde, Leiden | Netherlands

15:40 Remote monitoring of cardiac implantable devices: Is the clinical benefit worth the investment?
H. Burri, Geneva | Switzerland

16:05 Remote monitoring of cardiac implantable devices: What advances might be proposed?
M. Malik, London | United Kingdom

16:30 Panel Discussion
THURSDAY 30 OCT. 2014

3 parallel sessions 17:00 - 18:00

17:00 - 18:00

BIG DATA IN HEALTHCARE: A COMPUTER SCIENCE PERSPECTIVE?
Chairpersons: M. Grossglauser (CH), H. Saner (CH)

17:00 Big Data: Opportunities and limitations
M. Grossglauser, Lausanne | Switzerland

17:20 Privacy challenges in personalized medicine
J.-P. Hubaux, Lausanne | Switzerland

17:40 Difficulties in dealing with stroke in India and what can we do about it?
E. Khan, Lausanne | Switzerland

18:00 Panel Discussion

17:00 - 18:00

NEW DEVELOPMENTS IN REMOTE MONITORING OF PATIENTS WITH DEVICES
Chairpersons: C. Chronaki (GR), E. van der Velde (NL)

17:00 New insights into the logistic process around remote monitoring of patients with implantable devices
M. J. Schalij, Leiden | Netherlands

17:20 Workflow, time and patient acceptance and satisfaction - The role of allied professionals
L. Morichelli, Rome | Italy

17:40 Data exchange between remote monitoring systems, programmers and the Electronic Health Record: standards and present status of implementation
E. van der Velde, Leiden | Netherlands

18:00 Panel Discussion

17:00 - 18:00

DISCUSSION FORUM

SAFETY AND PRIVACY IN TELEREHABILITATION, HOW AND WHAT TO MONITOR, HOW TO GIVE FEED-BACK
Chairpersons / Moderators: E. Piotrowicz (PL), P. Dendale (B)

17:00 - 18:00 Discussion Forum

18:00

NETWORKING & SOCIAL EVENT

The Networking Get-Together is free to attend and open to all congress participants. Enjoy a drink and listen to Jazz music by Olten Südwest Jazzband with Congress Director Prof. Hugo Saner at the drums.
FRIDAY 31 OCT. 2014

3 parallel sessions 09:00 - 10:30h:
09:00 - 10:30

TELEMEDICINE AND MOBILE ONLINE HEALTH APPLICATION - CARDIAC IMAGING
Chairpersons: N. Bruining (NL)

09:00  Cardiovascular imaging on mobile devices Is it feasible?
       N. Bruining, Netherlands
09:25  Which cardiovascular images do we need to access everywhere?
       F. Plank, Innsbruck | Austria
09:50  What do we need to create a cloud-based cardiovascular imaging environment?
       S. de Winter, Netherlands
10:15  Panel Discussion

09:00 - 10:30

CHALLENGES IN e-CARDIOLOGY
Chairpersons: C.Chronaki (GR), G. Krstacic (HR)

09:00  Assessing health by complexity analysis of cardiovascular signals
       P. Castiglioni, Milano | Italy
09:20  Asymmetry of cardiovascular time series and its clinical value
       P. Guzik, Poznan | Poland
09:40  Beat-to-beat assessment of cardiac intervals by wearable seismography in sleep
       and ambulant subjects
       M. Di Rienzo, Milano | Italy
10:00  Acute coronary syndrome register - future challenges
       I. Heim, Zagreb | Croatia
10:20  Panel Discussion

09:00 - 10:30

EMERGING ROLE OF TELEMEDICINE IN CARDIAC REHABILITATION -
ORAL ABSTRACT PREsentations
Chairpersons: P. Dendale (B), M. Willemsen (DE)

09:00  Remote physical activity coaching in patients with coronary artery disease
       J. Kraal, Amsterdam | The Netherlands
09:20  Telerehabilitation in coronary artery disease (TRIC-Study), 3 Months Data
       K. Wallner, Grossgmain | Austria
09:40  A technological solution for cardiac rehabilitation and secondary prevention
       S. Guillén, Paterna, Valencia | Spain
10:00  Skype and Tele-ECG in Control of Home-based Exercise Training after planned PCI -
       a useful tool?
       A. Doletsky, Moscow | Russia
10:20  Panel Discussion
FRIDAY 31 OCT. 2014

10:30 - 11:00 COFFEE BREAK

POSTER SESSION

TECHNICAL DEMONSTRATIONS & PRESENTATIONS AT THE EXHIBITION STANDS

2 parallel sessions 11:00 - 12:30:
11:00 - 12:30

RESEARCH & METHODOLOGY IN TELEMEDICINE
Chairpersons: F. Köhler (DE), G. Krstacic (HR)

11:00   Specific methodological problems in the design of RCT for telemedicine
        F. Köhler, Charité Berlin | Germany
11:20   Research in Pharmacology using telemedical Technologies
        H. Post, Bayer Healthcare, Elberfeld | Germany
11:40   Cost Benefit Assessments for Telemedicine
        Speaker TBA
12:00   Research from Health Status in a changing climate - implications for telemedicine
        C. Witt, Charité Berlin | Germany
12:20   Panel Discussion

11:00 - 12:30

TELEMEDICINE AND MOBILE / ONLINE HEALTH APPLICATIONS: EVALUATION OF MOBILE APPS FOR CARDIOLOGY
Chairpersons: Dr. Enrico Caiani (I), H. Saner (CH)

11:00   Traffic light-based classification of mobile apps in cardiology
        F. Pincirotli, Milano | Italy
11:15   Measuring usability of mobile applications
        U. Albrecht, Hannover | Germany
11:30   A review and framework for development and evaluation of mobile technology for cardiac rehabilitation
        M. Varnfield, Brisbane | Australia
11:45   The EU regulatory framework for mHealth
        F. Cantone, Milano | Italy
12:00   Regulation for mHealth applications: the developers point of view
        M. Wrigley, United Kingdom
12:15   Panel Discussion

12:30 - 13:15 LUNCH BREAK

POSTER SESSION

TECHNICAL DEMONSTRATIONS & PRESENTATIONS AT THE EXHIBITION STANDS
FRIDAY 31 OCT. 2014

2 parallel sessions 13:15 - 14:45:
13:15 - 14:45

JOINT SESSION WITH HFA
OVERCOMING BARRIERS IN IMPLEMENTING EXERCISE TRAINING IN HF: IS e-HEALTH A SOLUTION?
Chairpersons: M. Piepoli (I), F. Köhler (DE)

13:15
Exercise training in HF: Opportunities and limitations
M. Piepoli

13:35
What is the potential for e-Health? Evidence from Clinical Trials
E. Piotrowicz, Poland

13:55
What are the main obstacles to e-Health: Patients, clinicians, managers or judges?
P. Dendale, Belgium

14:15
Major technical advances in developing e-Health practice
S. Zannoli, Italy

14:35
Panel Discussion

13:15 - 14:45

Telemedicine - clinical applications
Chairpersons: N. Bruining (NL), P. Stafylas (B)

13:15
Evaluation of an individual heart rate model to estimate heart rate during outdoor walking, based on stress test result and measurable context information such as GEO position and barometric pressure
F. Müller-von Aschwege | Germany

13:35
Gamification in endurance sports - Possible use in coronary secondary prevention to increase motivation and compliance
H. Simsek and M. Pantförder | Germany

13:55
MART Munich Arterial Hypertension Register Telemedicine
M. Middeke, Munich | Germany

14:15
Clinical experiences with a mobile diet logging application
I. Kosa, Veszprém | Hungary

14:35
Panel Discussion

14:45 - 15:15 COFFEE BREAK

POSTER SESSION

TECHNICAL DEMONSTRATIONS & PRESENTATIONS AT THE EXHIBITION STANDS
2 parallel sessions 15:15 - 16:45h:
15:15 - 16:45

TOWARDS INTEROPERABLE ELECTRONIC HEALTH RECORD SUMMARIES
Chairpersons: C. Chronaki (GR), E. van der Velde (NL)

15:15    High quality clinical documentation and audit of patients summaries in heart failure
         S. Hardman, London | United Kingdom
15:30    Ontological brokers between alternative representations of EHR summaries in HF
         C. Martinez, Graz | Austria
15:45    Importance of clinical engagement in good practice content for health record in cardiovascular shared care
         R. Vander Stichele, Gent | Belgium
16:00    Cost benefit assessment for investments in interoperable HF representations
         V. Stroetmann, Bonn | Germany
16:15    Bridging electronic health record summaries across health systems and countries: Is it feasible?
         C. Chronaki, Boston | USA
16:30    Panel Discussion

15:15 - 16:45

Transforming the patient experience with telehealth in Europe: Focus on new health care service models
Chairpersons: I. Findlay (UK), P. Stafylas (B)

15:15    From evidence to decision making
         P. Stafylas, HIM SA, Belgium
15:35    Scaling up good practices in the management of patients with chronic heart failure
         M. Taborsky, Palacky University Olomouc, Czech Republic
15:55    Diabetes: Applying evidence-based medicine in telehealth
         G. Dafoulas, e-Trikala SA, Greece
16:15    The past and the future of telemedicine in patients with chronic obstructive pulmonary disease
         C. Zamarron, Santiago de Compostella Universidad | Spain
16:35    Panel Discussion