

Program - International Conference

SYSTEMS FOR MEDICAL DECISION SUPPORT AND FORENSIC IDENTIFICATION:
PRINCIPLES, METHODS AND ASSESSMENT

Thursday, February 23rd 2017, 8:00-16:30

by the EuroMISE Mentor Association,
Czech Society of Biomedical Engineering and Medical Informatics J.E. Purkyně
and Czechoslovak Society for Forensic Genetics
under the auspices of Charles University, First Faculty of Medicine
Venue: House of Physicians, Sokolská 31, Prague 2

8:00-16:30 Registration

9:00-9:15 Opening

9:15-10:15 Session I

9:15-10:15 Mor Peleg: The MobiGuide Clinical Guideline Based Decision-Support System: Objective, Methods and Assessment

10:15-10:40 Coffee Break

10:40-11:40 Session II

10:40-11:00 Arnošt Veselý, Jana Zvárová: Compliance of Patient's Record with Clinical Guidelines

11:00-11:20 František Babič, Ján Paralič, Michal Vadovský, Miroslava Muchová, Alexandra Lukáčová, Zuzana Vantová: What is a Relation between Data Analytics and Medical Diagnostics?

11:20-11:40 Bernd Blobel: Knowledge Representation and Knowledge Management as Basis for Decision Support Systems

11:40-13:00 **Lunch break**

13:00-14:00 **Session III**

13:00-13:20 Jan Kalina, Jana Zvárová: Regression Modelling: A Fundamental Tool in Clinical Decision Support

13:20-13:40 Michal Vadovský, Ján Paralič: The Current Methods of Collecting Data Used for the Diagnosis of Parkinson's Disease Patients

13:40-14:00 Michaela Bučková: Clinical Decision Support System in Dentistry

14:00-14:30 **Coffee Break**

14:30-16:00 **Session IV**

14:30-16:00 Panel discussion: The Role of Clinical Guidelines and Decision Support Systems in Holistic Medicine

14:30-16:00 **Session V (parallel session to Session IV)**

14:30-16:00 Webinar FamLinkX

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SYSTEMS FOR MEDICAL DECISION SUPPORT AND FORENSIC IDENTIFICATION:
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Friday, February 24th 2017, 8:00-13:30

by the EuroMISE Mentor Association,
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8:00-13:30 Registration

9:00-10:40 Session VI

9:00-10:00 Norah Rudin: Complex DNA Profile Interpretation
Stories From Across the Pond: The Current State
of Forensic DNA Interpretation and Statistics in
the U.S.

10:00-10:20 Dalibor Slovák, Jana Zvárová: New Derivation of
Balding-Nichols Formula

10:20-10:40 Halina Šimková, Jiří Drábek: Paternity or
Maternity Assessment of Complete and Partial
Hydatidiform Moles and Non-molar Triploids

10:40-11:00 Coffee Break

11:00-12:40 Session VII

11:00-11:20 Vladimír Bencko, Ladislav Novotný: Using
Mendelian Randomization Principle to
Demonstrate of Protective Effects of the
Isothiocyanate in Cruciferous Plants in the
Prevention of Malignant Neoplasms

- 11:20-11:40** Lucie Hrušková, Ivan Mazura: Defective Collagen Type I Production in Czech Osteogenesis Imperfecta Patients
- 11:40-12:00** Jan Peleška, Jan Mužík, Marek Doksansky, David Gillar, Jan Kašpar, Karel Hána, Milan Poláček: Direct Home Blood Pressure Telemonitoring System-Suitable Tool for Repeated Out-of-Office Blood Pressure Monitoring
- 12:00-12:20** Matěj Hrachovina: Detection of Uncoverable Noise Segments in Body Surface Potential Mapping
- 12:20-12:40** Miroslav Mužný, Jan Mužík, Eirik Arsand: Expanding Functionality of Diabetes Smartwatch Application
- 12:40-13:30** **Lunch break**
- 13:30-14:30** **Discussion and closing of the Conference**