Contents

Preface

Analyzing Pharmacodynamic Effects of Psychotropic Drugs via Spectral Dynamics of EEG
Vladimír Albrecht 5

Medical Informatics: an Academic Discipline
Ioana Moisil Barbat, Cristian Budeci, George Bozocea 6

Computer Asisted Course in Biostatistics and Epidemiology
Ioana Moisil Barbat, Cristian Budeci, Elena Jitaru Mihai Jitaru 7

The Psycho-Sociological Impact of the Computer-Based Technologies for Health Care in Romania
M. Bazavan, I. Moisil Barbat, A. Popescu, R. Dimitriu, T. Sarbu, F. Olaru 8

Education and Research for Open Health Care in Europe
Jan H. van Bemmel 9

Exposure Assessment and Arsenic Related Skin Basalioma Cancer Epidemiology
Vladimír Bencko, M. Götzl 11

Communication in Local Area Networks
Libor Berný 12

Socio-Economic Factors and Height of Pre-School Children in the Czech Republic
Jana Dáňová 13

The Needs of the Emergency Medical Care in Bucharest
Rodica Dimitriu, E. Garjau, I. Belu 14

Communication in Health Care: an Overview
Joop S. Duisterhout, P.J. Branger 15

Tumor Marker Follow-up – a Statistical Viewpoint
Kryštof Eben, Jiří Vondráček 16

Possibilities of Using Internet in Medical Informatics
Eva Ettlerová 17

Computers in Stomatology
Lucie Himmlová 18

Computerized Knowledge Acquisition
Sylva Kočková 19

Approaches to Teaching Quantitative Methodologies
at Wroclaw Medical Academy
Marek Lubicz 20

Preparation of Drug Information Service (DIS)
Hana Müllerová 21

Usefulness of Descriptive Data Analysis for Decision Support
Jiří Obenberger 22

CRACTES System
(Cancer Recurrence, Analysis, Correlation and Testing)
Ladislav Pecen, Kryštof Eben, Marek Sláma 23

Evaluation of Ambulatory Blood Pressure Monitoring Data
Jan Peleška 24

System Identification and Dynamic Predistion in Neurophysiology
Daniel Pfeffer, Andrej Stančák 25

Teaching Medical Informatics at the University of Marburg
Ursula Piccolo, O. Reinhoff 26

External Quality Control System of Microbiology Laboratories
in Czech Republic
Hynek Pikhart 27

Hospital Information Systems between Desire and Reality
Adrian Popescu 28

Intelligent Drug Database
Petr Potužník 29

Information System for Reporting of Notifiable Diseases
in the Czech Republic
Vladimír Příkazský, Svatopluk Černý 30

An Expert System for Cardiovascular Surgery
Bernard Richards 32

Object Oriented Database Systems
Antonín Říha 33

Growing up a Software Design Team
for Medical Informatics
Tania Sarbu, Rodica Dimitriu, A. Nanu, Mariana Bazavan 34

Some Experiences of a Student Practical Work (Work Term)
on Health Informatics within the Frame of the Cooperative
Educational Program
Pál Simon 35

GUHA - a computer program for data analysis
Marta Sochorová 36

National Medical Scientific Societies as Frame
for Promoting Medical Informatics
Elena Stavri, Rodica Dimitriu, A. Nanu, Adrian Popescu 37

Education Computer Programs for Medicine
Libor Straka 38

Strengths and Weakness of Neural Networks
Václav Šebesta 40

The Prevalence of Risk Factors in Males of Middle Age:
Comparison of Two Groups in the Course of 15 Years
Marie Tomečková, S. Šimek, V. Danzig, J. Bultas, J. Jedlička, F. Boudík 41

Standardizing Computerized Communication between
a Clinical Department and a Biochemical Laboratory
Jan Vejvalka 42

Application of a Computer Programme to the Analysis
of the Chromatogram of Catecholamines
K. Voyiatzis, M. Doumas, Ch. Zamboulis, S. Douma, A. Karagiannis,
Athanassios Vyzantiadis 43

Statistical Assessment of 24-hour Blood Pressure
Ambulatory Monitoring
Karel Zvára 44

On Association of Immunogenetic Risk Factors and Diseases
Jana Zvárová, Ctibor Dostál 45

List of Participants