

MAINTAINING A HEALTH CARE IN THE INDIVIDUAL LEVEL
(Report from J. TAKAYAMA)

**IMIA - WG 6

**International Federation for Information Processing (IFIP)
(Special Interest Group)**

**International Medical Information Association (IMIA)
in collaboration with
Swiss Society for Medical Informatics**

**INTERNATIONAL WORKING CONFERENCE
ON
"COMPUTING TOOLS FOR MEDICAL ENCODING
INCLUDING PATIENT HISTORIES"**

GENEVA, SWITZERLAND

SEPTEMBER, 1988

"COMPUTING TOOLS FOR MEDICAL ENCODING INCLUDING PATIENT HISTORIES"

To be held at World Health Organization Headquarters (W.H.O).

Geneva, Switzerland, September 1988 (first half ?)

Organized by :

- IMIA Working Group on the Role of Informatics in the Classification and Coding of Health Data (IMIA WG6); Roger A. Côté, M.D., chairman.
- Co-sponsored by WHO, contact : Dr Salah Mandil.

ORGANIZING COMMITTEE :

- Roger A. COTE, M.D., chairman
Professor of Pathology
Faculty of Medicine
University of Sherbrooke
Sherbrooke, Québec, Canada
J1H SN4
- Jean-R. SCHERRER, M.D.
Professeur d'Informatique Médicale
Faculté de Médecine
Hôpital Cantonal Universitaire
CH - 1211 Genève 4, Switzerland
- Salah MANDIL, Ph.D.
Director, Division of Information Systems Support,
World Health Organization
CH - 1211 Genève 27, Switzerland

SCIENTIFIC COMMITTEE :

The members of IMIA WG6

- Roger A. Côté, M.D., Chairman
Sherbrooke, Quebec,
Canada
- David Rothwell, M.D.
Committee on Nomenclature and classification of
Disease,
Chairman
College of American Pathologists
Clinique Professor of Pathology
Columbia Hospital
2025 East Newport Avenue
Milwaukee, Wisconsin 53211
United States
- Hans Peterson, M.D., IMIA president
Manager Health Care Information Systems
Stockholm County Council
Halso-och Sjukvardsnamnden Fack
S-102-70 Stockholm 9, Sweden

- John Davis, B. Comm.
Canadian Expert Group on Diseases Classification
Nosology Reference Center
Division of Health-Statistics
Canada
Coates Building, Floor 17-A
Ottawa, Ontario K1A-0Z5
- Jean-Raoul Scherrer, M.D.
Geneva, Switzerland
- Richard Turner, M.D.
Specialist in Community Medicine
Yorkshire Regional Health Authority
Park Parade, Harrogate
United Kingdom, HG1 5AH
- Salah Mandil, Ph.D. (ex-officio member)
W.H.O, Geneva, Switzerland

and

A representative each of the following WHO/HQ programmes :

- HBI/Terminology
F. Lowe,
Editor
- HST/ICD
K. Kupka, M.D.
Medical Officer
- ISS
J. Bansal
Technical Officer

and

A representative of the Swiss Society for Medical Informatics (SSMI) :

- R.P. Baumann, M.D.
Chief pathologist
SSMI secretary
Hôpital des Cadolles
Neuchâtel, Switzerland

OBJECTIVES OF THE WORKING CONFERENCE :

As a follow up to the 1984 Ottawa conference organized by the IMIA WG6, the presently proposed working conference will attempt to evaluate where do we stand and where to go about the followings :

- an assessement of the role, the state-of-the-Art and the future trends of natural language interface in health care information systems,
- Identification and description of the various approaches to automatic encoding of natural language in medicine,
- a study of causes of success or failure of systems, where physicians and other health professionnals handle the original data entry of medical and related informations,
- descriptions of and comparisons between data structure in various patient information systems servicing different health areas : tumor and other disease registers, regional medical information systems, ambulatory care and hospital information systems,
- suggested alterations to be introduced in the different medical nomenclature and classification schemes due to the introduction of data capture as a byproduct of a medically based health information system,
- an assessment ot the impact of natural language encoding tools on the quality of medical scientific documentation databases and on users input/output on these.
- which systems considerations, and how, affect the necessaty flexibility and expandability of such systems.

Medical informatics must look to other disciplines for collaboration : Fields such as computer science, artificial intelligence, management science, and linguistics, have much to offer us in terms of techniques and principles.

METHOD OF WORK

For each objectives listed above, experienced speakers will be invited to share their expertise with the attendance. A limited number of free communications will also be accepted within each topics.

Each speaker will recieve a few questions to be answered a part of his/her presentation :

- who are the users ?,
- what language is used for programming ?,
- which nomenclature or classification or coding scheme is used ?,
- how many local extensions have to be made ?

Each speaker will also be asked to comment on other aspects, particularly :

- primary, secondary and tertiary care environment
- public health
- epidemiology
- population control, etc...

Finally rapporteurs, knowledgeable in computer applications and medicine will summarize each presentation for later roundtable discussion and for the Conference's recommendations.

METHOD OF WORK

For each objective listed above, experienced speakers will be invited to share their expertise with the audience. A limited number of free communications will also be accepted within each topic.

Each speaker will receive a few questions to be answered as part of his/her presentation :

- who are the users ?
- what language is used for programming ?
- which nomenclature or classification or coding scheme is used ?
- how many local extensions have to be made ?