

Datasheet of the IKTA4/074 project

I. Clinical information and decision support intranet system

Project start: January 1, 2002, duration: 29 months.

Amount of support: KHUF 33 000, total project cost: KHUF 98 000.

Project leader: **Scherer Ferenc**

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Project URL: <>

II. Consortium members (number of members = 3, the first member is the project co-ordinator)

no	name	support	total cost
1.	Csongrád County Mednet Kht.	KHUF 17 500	KHUF 52 000
2.	University of Szeged, Department of Medical Informatics	KHUF 10 800	KHUF 32 000
3.	University of Szeged, Faculty of Pharmacy, Clinical Pharmacy Department	KHUF 4 700	KHUF 14 000

III. Public presentations

No presentation is available.

IV. Goals of the project

Background. The current integrated hospital information systems have been devised primarily to support the financial and administration processes of the health care. Although a variety of sophisticated and specialised data base and expert systems, with a potentially great impact on the level and efficiency of medical procedures, has been developed, these are generally not available in "on-line" clinical situations. Overall, there is an broadening gap between the rapidly increasing knowledge and its practical implementation, and this can be first traced back to the burdens of communication.

Aims. The proposed project is aimed at the development of an intranet based information system that provides the medical staff with fundamental information supporting the diagnostic and therapeutic decision making in situ.

Main tasks. The most important subtasks of this multidisciplinary project involving components of research, development and technology in medicine and informatics are as follows.

- development of knowledge bases related to pharmacotherapy and laboratory diagnostics, and algorithms supporting therapy decisions
- joint application of these knowledge bases and patient records in individual therapy
- analysis and presentation of patient data and related knowledge base information by using mathematical modelling, statistics and visualisation
- development of a unified layer of displaying diverse system components, implementation of special functions (e.g. simulations) with standard technologies

Methods: Formal methods are used in research, planning developing and testing applications/systems to be developed.

Proposed implementation. An integrated multimedia decision support system based on standard Internet technologies, providing the users with fast access to personalised and controlled information, and satisfying the requirements of representation of data base information in a unified structure.

V. Project results (in case of finished projects)

The project is not finished.

VI. Data on consortium members (number of members = 3)

1. *Csongrád County Mednet Kht.* (co-ordinator)

URL: <>

Support for the co-ordinator: KHUF 17 500, and its total cost: KHUF 52 000.

Contract number: .

Team leader: ***Apjok András Dr.***

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2. *University of Szeged, Department of Medical Informatics*

URL: <>

Support for the consortium member: KHUF 10 800, and its total cost: KHUF 32 000.

Contract number: .

Team leader: ***Hantos Zoltán Dr.***

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3. *University of Szeged, Faculty of Pharmacy, Clinical Pharmacy Department*

URL: <>

Support for the consortium member: KHUF 4 700, and its total cost: KHUF 14 000.

Contract number: .

Team leader: ***Soós Gyöngyvér Dr.***

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