

**A PRELIMINARY STUDY OF EXPERT SYSTEM TO SUPPORT
A PATIENT'S DECISION IN THE DIAGNOSIS OF SELECTED BLOOD
CIRCULATORY AND RESPIRATORY SYSTEMS' DISEASES**

Jerzy Piętka

*Institute of Biocybernetics and Biomedical Engineering, Polish Academy of Sciences,
Warsaw. Poland*

Expert, data based and information systems developed for medical applications are usually meant for physicians who need them in making diagnoses, training and study processes. Several similar systems meant also for patients have been developed abroad. In Poland there are no expert systems that could be supportive for making a decision by the patient and adapted to the Polish conditions. Therefore, development of such a system has been pressed ahead, of which preliminary results are presented in the report. Certain features and characteristics of existing systems and needs of the Polish patient as well as advantages for the physician have been taken into account in the report. The preliminary development of the system has been limited to selected diseases of blood circulatory and respiratory systems, with consideration of apparent symptoms concerning these systems.

Keywords: expert systems, blood circulatory systems' diseases, respiratory systems' diseases, support patient's decision