Abstract

In blood type diet founded by Dr. Peter J. D'Adamo, it is said that food has the different effect to every blood type. In diet control, nutrition expert should determine food valid composition for every blood type.

The role of nutrition expert can be helped by expert system. Expert system is computer program that has knowledge base in speciffic domain so it can give solution like an expert. With blood type diet control expert system, someone can know diet control based on his/her blood type.

Blood type diet control expert system is construction expert system. Expert system will construct configuration of solution from solution elementer unit, so constructed configuration can be suitable with requirement and do not conflict with certain constraint. In diet control there is requirement from client and constraint from knowledge base. The implementation of construction expert system uses configuration design concept with skeletal design type and hierarchical configuration problem solving method.

Expert system can do diet controlling of someone in specific time, in day, week, or month, based on calorie. It can handle the user that has food constraint or disease. Knowledge acquisition in blood type diet control is executed by representing its component in hierarchy.

Keywords: expert system, blood type diet, configuration design