

A. ILNITSKI, K. PRASHCHAYEU. **An ePlatform for comprehensive geriatric assessment.** *Gerontechnology 2016;15(suppl):125s*; doi:10.4017/gt.2016.15.s.640.00 **Purpose** The effective introduction and dissemination of diagnostic technologies in geriatrics is possible on the basis of devices on an electronic platform. The purpose of the research is to work out and introduce the electronic program for comprehensive geriatric assessment into the practice of geriatrics. **Method** On a web-site¹ we submitted the special original program for physicians to use in order to perform comprehensive geriatric assessments which can be introduced into ICT devices. The program allows physicians to automatically estimate the risks of functional decline, problematic geriatric syndromes and targets of personalized coaching in the rehabilitation process. At the same time, the program provides the physicians with the possibility to complete eLearning on better methods for rehabilitation and care of elders depending on existing syndromic problems (Figure 1). **Results** Thirty-seven physicians experienced work with the original computer program. Using the ePlatform to perform comprehensive geriatric assessments reduced the time of diagnostic procedure by 20%, increased the number of correct prognosis of geriatric syndromes by 17%, and decreased the number of mistakes in diagnosis and rehabilitation by 10%. Using the ePlatform for consultations and eLearning for physicians was the most important factor for positive changes in the quality of geriatric care. As a result, it was observed that positive changes were increased ($p < 0.05$) for acute functional decline, decrease of functional ability, and improvement of quality of life. **Conclusion** Introduction of the originally produced electronic program – the ePlatform – to perform comprehensive geriatric assessments improved the diagnostic process and the quality of geriatric care.

Reference

1. www.gerontolog.info; retrieved September 16, 2016

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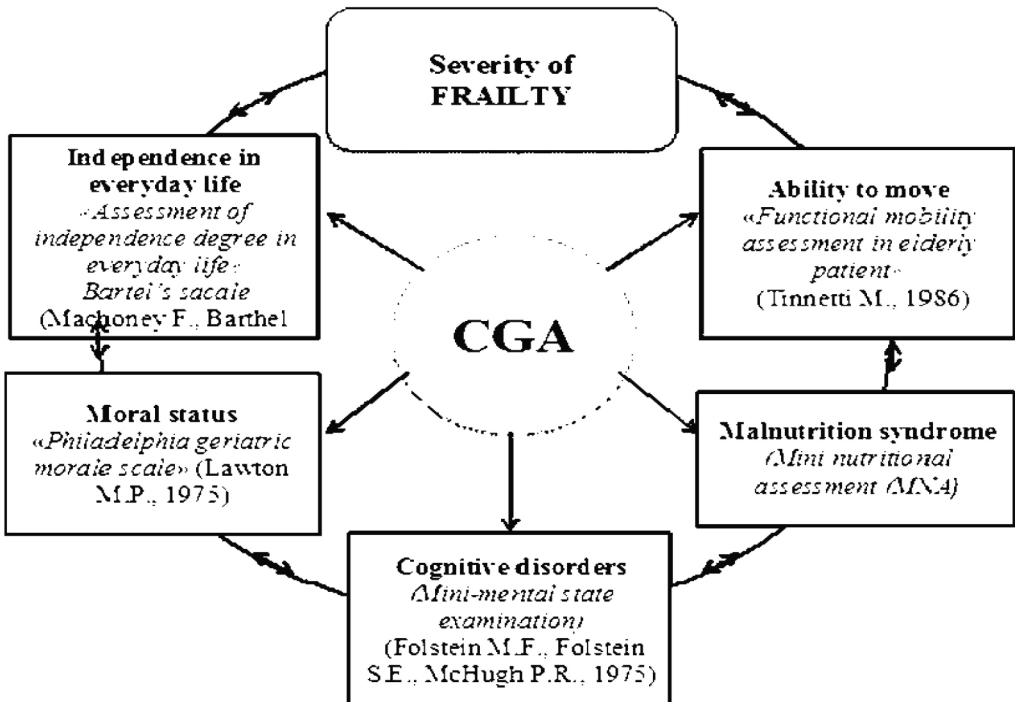


Figure 1. Schema of the ePlatform used