Developing a Language Training System

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Research Topics

・Development of language training applications
・Construction of language training systems

Research Seeds

●Language training applications

People having difficulty with language communication such as aphasia patients, children with learning disabilities, and dementia patients need language training according to their symptoms and capabilities. Technical support is necessary to reduce the labor needed for Speech-language-hearing therapist (ST) and others for preparing and managing language training.

We are developing language training applications for tablet devices that enable STs, etc. to add or change pictures for teaching materials for individual patients (Fig. 1).

●Language training system

To maintain and improve motivation for language training of patients, we construct a language training system with the semi-automatic question setting function reflecting the patient's answer tendency, and the control functions to change pictures of language training according to a patient's physical condition or symptoms (Fig. 2).
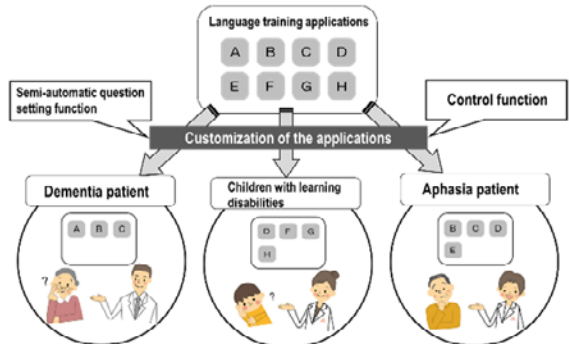

Fig. 1 Language training applications.

Fig. 2 Language training system.

Related Technology

・Teaching-learning support systems