

## **Development of the system for continuous medical rehabilitation for patients with post-stroke and spinal cord injury motor disorders**

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### **ABSTRACT**

This paper describes an experience of developing a computer system for continuous medical rehabilitation involving patients with post-stroke and spinal cord injury motor disorders. Particular focus is made on the concept of telerehabilitation for this specific group of patients. Telerehabilitation has to be continuous and regular. It is also necessary to provide the possibility of conducting treatment/communication sessions asynchronously. The empirical results of four year implementation of this system in Russia showed high efficiency and revealed some limitations of a distant network rehabilitation program based on electromyographic biofeedback.

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**Full papers will be published in the Conference Proceedings and will be available to delegates at the conference on Sept. 10.**

**Full papers will be released on-line in the ICDVRAT archive on March 15.**