

How MediTouch is Creating New Potential for Rehabilitation

MediTouch Uses TeamViewer to Conduct Tele-rehabilitation Sessions



Founded in 2004, MediTouch's mission is to improve physical rehabilitation results by providing "motion-capture-high-technology-rehabilitation-systems" to clinicians and patients. This is accomplished with devices called the HandTutor™, ArmTutor™, LegTutor™ and 3DTutor™. These are gloves and braces connected to customized and dedicated software that allow the patient suffering from upper and lower limb movement disabilities to achieve successful results in physical and occupational rehabilitation of the affected limb. MediTouch is a privately held company and is headquartered in Netanya, Israel. More information: <http://www.meditouch.co.il/>

Challenges

- ✓ Connecting patients and physical therapist virtually for at-home rehabilitation
- ✓ Affordable visual communication to offer fully-customized sessions
- ✓ Secure and trustworthy one-on-one platform



Solution

With TeamViewer, MediTouch is able to offer fully-customized physical therapy sessions at home. MediTouch can reach a broader spectrum of patients by communicating virtually through TeamViewer, saving patients money and time by eliminating the need for travel. This assures faster results, a more consistent approach to recovery.

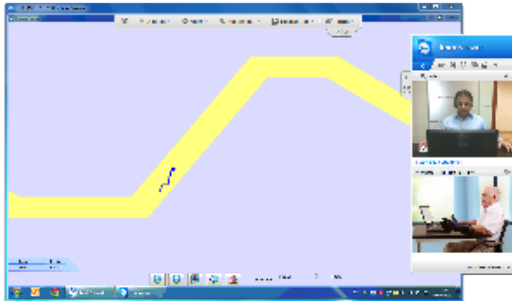
Established in 2004, MediTouch Ltd. manufactures innovative tele-rehabilitation systems that consist of wearable motion capture devices that work together with an interactive games platform and software for virtual physical therapy sessions from home. MediTouch rehabilitation systems allow patients to practice intensive functional task training to improve patient's lower and upper extremity movement ability.

In 2008, MediTouch introduced its first product, the HandTutor™. Wearing a specially developed glove, which acts like a computer mouse, the patient moves characters on a screen through a series of flexion and extension movements. HandTutor™ was the first of its kind that allowed patients to work on rehabilitation from home with the help of a customized software program.

The challenge for MediTouch was how to virtually connect a patient with a physical therapist for regular check-ins and guided sessions. The traditional solutions required closed-circuit cameras and extensive set-up by both the patient and physical therapist to conduct a virtual session. This option had mainly been used for research projects and was not cost-effective for either party.

"We use PC Windows software and needed a compatible solution that would not require a closed network system so we would not have to provide an expensive camera to conduct the physical therapy sessions," said Alan Waterman, International Sales Manager for MediTouch.

“We needed to be able to see the patient and adjust the rehabilitation needs in real time in a way that was inexpensive to us and the patient.”



An online computer connection was already required to gain the valuable

feedback from the software that allowed the physical therapist to monitor progress. Therefore Waterman investigated remote access offerings that would permit patients and physical therapists to connect over the internet using reasonably-priced webcams. MediTouch had the following criteria for a solution: Compatible with MediTouch software, cost effective so the company and the patients did not have to invest in expensive equipment, real-time communication between patients and physical therapists, ability to conduct 1-1 sessions, security guaranteed.

TeamViewer Connects Patients with Therapists

“We looked at a couple of remote viewing offerings but after we did a trial of TeamViewer, we realized it fit our exact needs,” said Waterman. “TeamViewer flawlessly integrated with our software. Our physical therapists are able to log on and instantaneously start a tele-rehabilitation session with the patients. Overall, the process of connecting is effortless for both the patient and therapist.”

Affordable and Effective

TeamViewer allows for MediTouch patients to participate in one-on-one sessions with physical therapists that allow the therapist to fully-customize the patient’s exercise practice for optimal movement ability recovery. MediTouch has now helped many patients with neurological and orthopedic injury and disease.

“We can come online at the same time. We can see where patients have been compliant. We can track and gather data – all without worrying about any security issues,” said Waterman. TeamViewer helps MediTouch achieve the following improvements made possible by telerehabilitation: Optimization in costs and time for hospitalization; Reduction of transportation costs to physical therapy locations; Ability to reach more patients in need of physical rehabilitation that otherwise may stay in an unrehabilitated condition; Patients can conduct more sessions and increase rehabilitation success; Game-based software interface gives direct feedback to patients on even the smallest improvements, which increases the motivation to continue rehabilitation.

“Tele-rehabilitation has phenomenal potential to cut costs for hospitals, patients and insurance companies.”

They help countless individuals that are not currently getting the rehabilitation they need to make maximum progress,” said Waterman. “The TeamViewer technology gives MediTouch the capability to inexpensively connect one-on-one with patients and make a difference in how quickly they can regain or maintain optimum functionality.”

TeamViewer GmbH

Founded in 2005, TeamViewer is fully focused on the development and distribution of high-end solutions for online communication and collaboration. Available in over 30 languages, TeamViewer is one of the world’s most popular providers of remote control and online meetings software.

For more information about TeamViewer please visit: www.teamviewer.com

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