

Introduction of Remote Rehabilitation Training and Assessment Software

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- **Run environment:** Windows 32 bit platform, .Net Framework 3.5 above
- **Develop environment:** Microsoft Visual Studio 2010 (C#)
- This soft have the following several functions:
 - Manage the personal information and individual training prescriptions through connect to MySQL database
 - Provide standard videos of 10 clinical common exercises (1. **Bobath handshake**; 2. Elbow extension; 3. Shoulder abduction; 4. Elbow flexion; 5. **Shoulder touch**; 6. Pronation-supination; 7. Wrist pressing; 8. Finger touch; 9. Cylinder grip; 10. Ball catch)
 - Real time sampling and plot of accelerometer signals (only feature axis is plotted)
 - Data save to disk (.bin format) and write to MySQL database
 - Automatic Brunnstrom stage classification and Scoring (centesimal system)

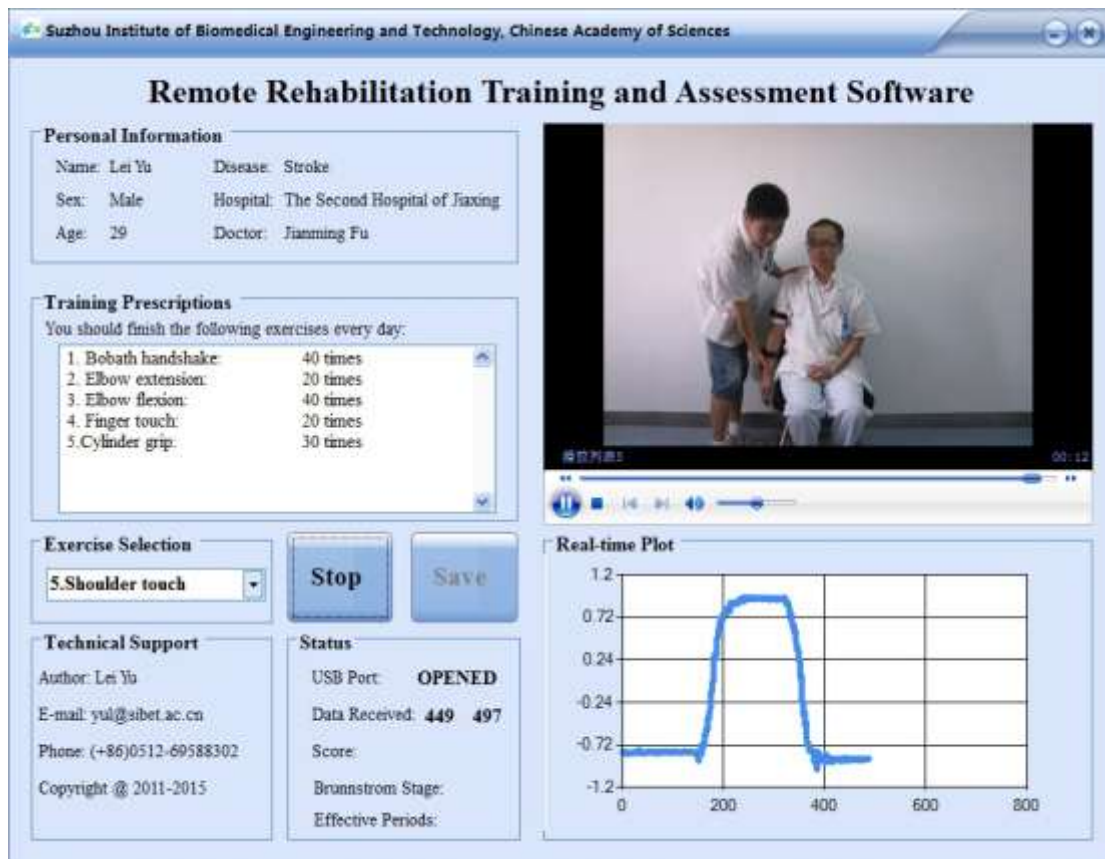


Figure 1 Real time sampling and plot



Figure 2 Automatic Brunnstrom stage classification and scoring