

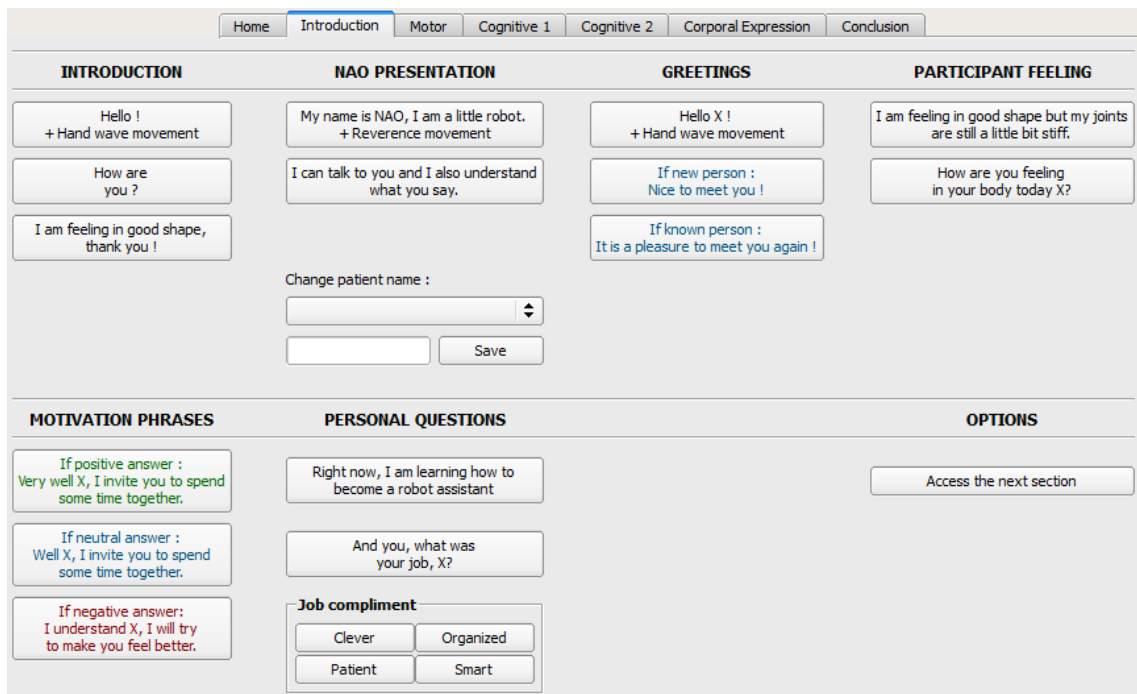
Supplementary Material

Affective and engagement issues in the conception and assessment of a robot-assisted psychomotor therapy for persons with dementia

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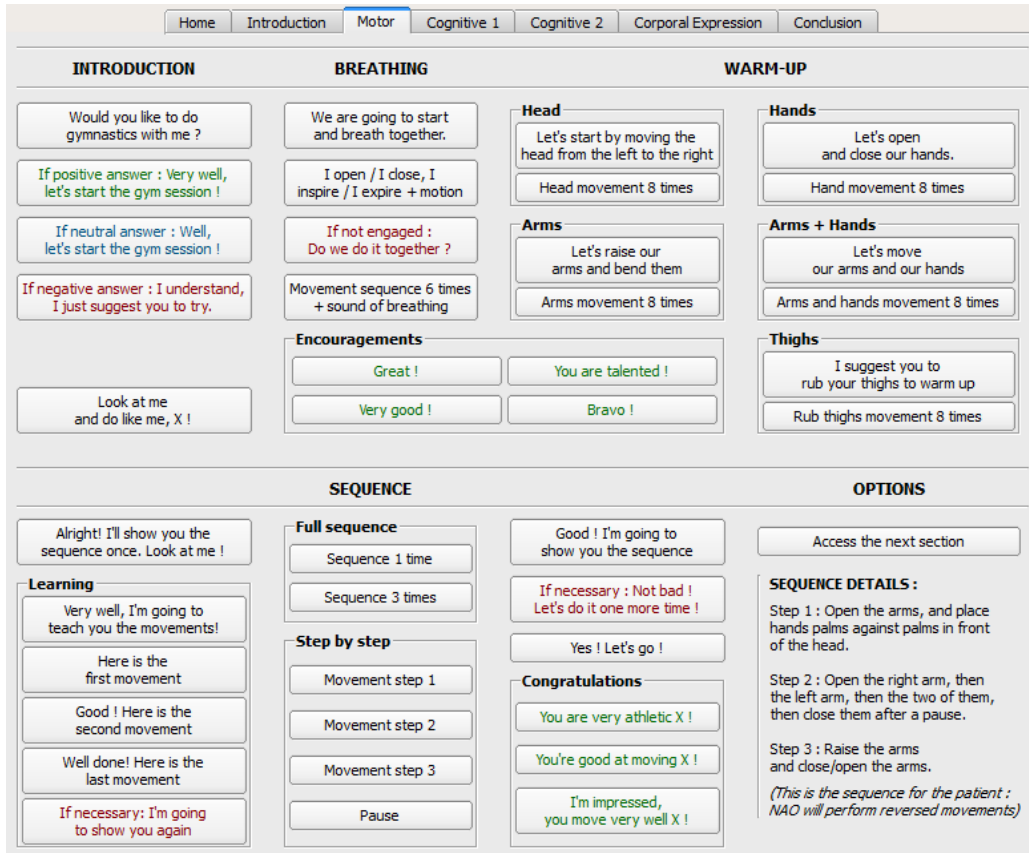
1 Supplementary Figures



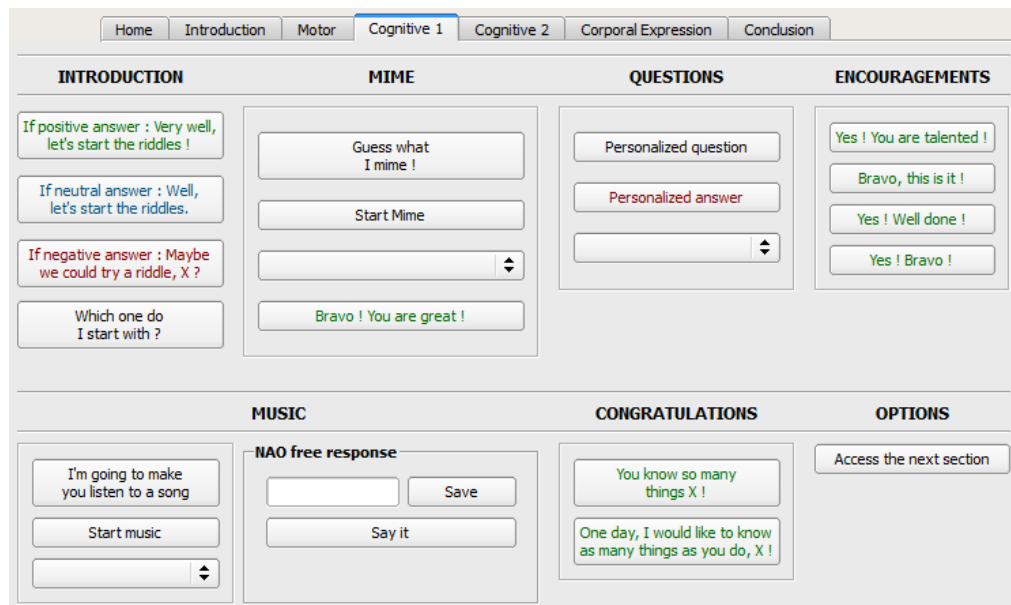
The screenshot displays a control interface for the 'Introduction' section of a robot-assisted therapy. At the top, there is a navigation bar with tabs: Home, Introduction (selected), Motor, Cognitive 1, Cognitive 2, Corporal Expression, and Conclusion. Below this, the interface is organized into several panels:

- INTRODUCTION:** Contains three buttons: 'Hello ! + Hand wave movement', 'How are you?', and 'I am feeling in good shape, thank you !'.
- NAO PRESENTATION:** Contains two buttons: 'My name is NAO, I am a little robot. + Reverence movement' and 'I can talk to you and I also understand what you say.' Below these is a 'Change patient name' section with a text input field, a dropdown arrow, and a 'Save' button.
- GREETINGS:** Contains three buttons: 'Hello X ! + Hand wave movement', 'If new person : Nice to meet you !', and 'If known person : It is a pleasure to meet you again !'.
- PARTICIPANT FEELING:** Contains two buttons: 'I am feeling in good shape but my joints are still a little bit stiff.' and 'How are you feeling in your body today X?'.
- MOTIVATION PHRASES:** Contains three buttons: 'If positive answer : Very well X, I invite you to spend some time together.', 'If neutral answer : Well X, I invite you to spend some time together.', and 'If negative answer: I understand X, I will try to make you feel better.'
- PERSONAL QUESTIONS:** Contains two buttons: 'Right now, I am learning how to become a robot assistant' and 'And you, what was your job, X?'. Below this is a 'Job compliment' section with four buttons: 'Clever', 'Organized', 'Patient', and 'Smart'.
- OPTIONS:** Contains one button: 'Access the next section'.

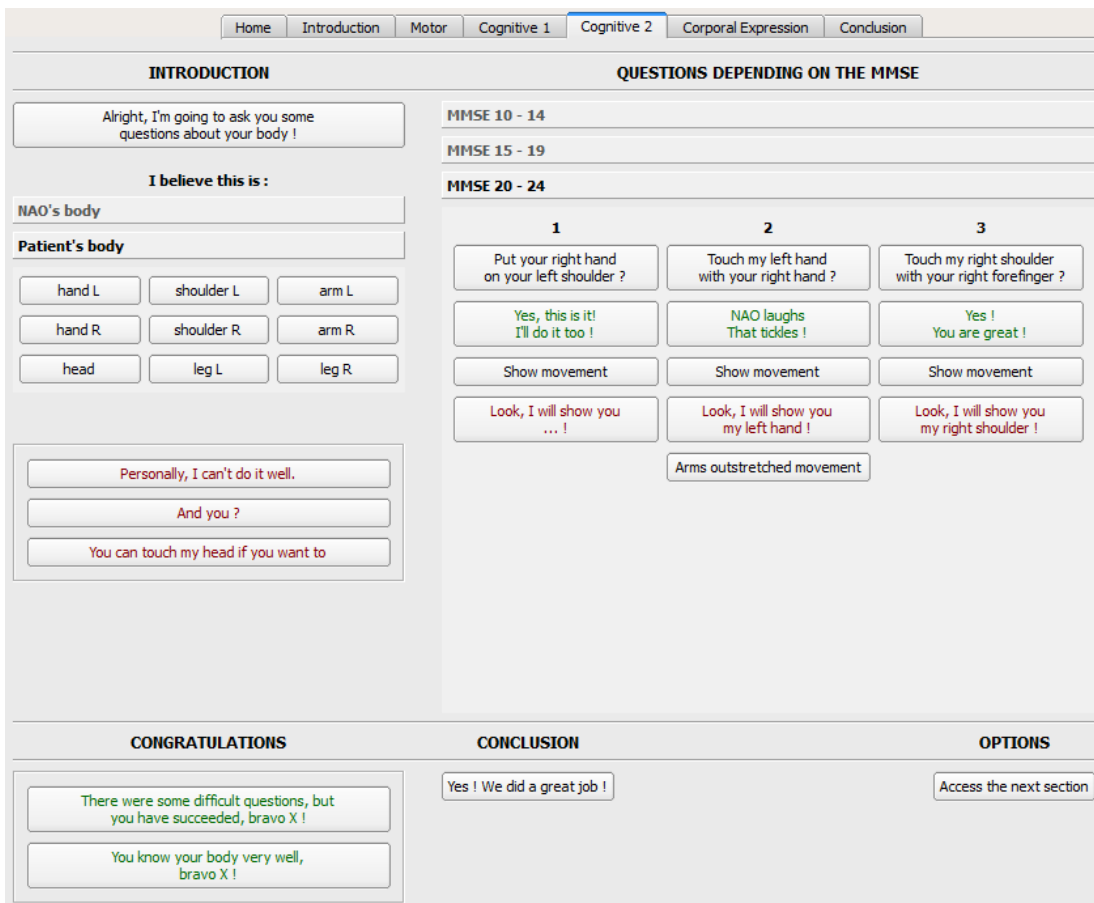
Supplementary Figure 1. Control interface “Introduction section”.



Supplementary Figure 2. Control interface “Motor section”.



Supplementary Figure 3. Control interface “Cognitive stimulation section 1”.



Supplementary Figure 4. Control interface “Cognitive stimulation section 2”.

Supplementary Figure 5. Control interface “Corporal expression”.

Supplementary Figure 6. Control interface “Conclusion section”.