

## Supplementary Material File S1 – Rehabilitation targets

### *Case 1*

The rehabilitation specialist evaluation found the patient as not able to walk autonomously, or to effectively perform daily life activities. Also, severe limb ataxia and scarce coordination were detected.

During the admission and then at home, the patient underwent the following physical therapy:

- limb movement in every direction
- coordination exercises (hands and feet)
- sitting to upright position and vice-versa
- stand-up position balance
- counteracting external stimuli of unbalance
- progressive autonomous walking

### *Case 2*

The rehabilitation specialist found the patient as unable to walk autonomously, with unstable balance also when sitting in the bed, and with severe upper limb tremors.

During the admission and at home the patient underwent the following physical therapy:

- sitting to upright position and vice-versa
- rehabilitation to prolonged sitting or stand-up position
- balance in stand-up position
- progressive autonomous walking