**Additional file 1. Inclusion and exclusion criteria.** List of the criteria used to assess the inclusion/exclusion of participants into the present study during the screening process.

### Inclusion Criteria

✔ Age from 18 to 70 years old  
✔ Traumatic and non-traumatic spinal cord injury.  
✔ Currently in treatment as an inpatient or outpatient at the investigational site.  
✔ SCI with Neurological Level of Injury (NLI) between C7-L5 (from AIS A to AIS D)  
✔ Currently treated as an inpatient or outpatient in the investigational center.  
✔ Ability to provide informed consent

### Exclusion Criteria

⨯ WISCI II >13 without the exoskeleton.  
⨯ 5 or more fragility fracture risk factors as stated by Craven et al.*  
⨯ History of fragility fractures of lower limbs in the past 2 years.  
⨯ Deterioration > 3 points of the total International Standards for Neurological Classification of Spinal Cord Injury (ISNCSCI) motor score within the last 4 weeks.  
⨯ Spinal instability  
⨯ Modified Ashworth scale (MAS) of 4 in lower limbs  
⨯ Unable to tolerate 30 minutes standing without clinical symptoms of orthostatic hypotension.  
⨯ Psychological or cognitive issues that do not allow a participant to follow the study procedures.  
⨯ Any neurological condition other than SCI  
⨯ Medically unstable (Unstable cardiovascular system, hemodynamic instability, untreated hypertension (systolic blood pressure>140, diastolic blood pressure>90 mmHg), unresolved deep venous thrombosis, uncontrolled autonomic dysfunction)  
⨯ Severe comorbidities including any condition that a physician considers inappropriate to complete participation in the study.  
⨯ Ongoing skin issues (Grade I or higher on the European Pressure Ulcer Advisory Panel (EPUAP) scale on areas that will be in contact with the exoskeleton)  
⨯ Height, width, weight, or other anatomical constraints (such as leg length differences) incompatible with the device  
⨯ Range of Motion (ROM) restrictions that are incompatible with the ABLE Exoskeleton device  
⨯ Known pregnancy or breastfeeding