

Subject	#1	#2	#3
Gender	m	m	m
Age (y)	28	35	47
Years after SCI	6	6	4
WISCI II score	13	6	0
AIS	C	D	C*
Neurological level of injury	C7	C4	C7
UEMS total (max 50)	46	31	45
LER motor subscore (max 25)	14	13	0
LEL motor subscore (max 25)	0	12	0
LE motor score L2 (R/L)	2/0	2/2	0/0
LE motor score L3 (R/L)	2/0	4/4	0/0
LE motor score L4 (R/L)	4/0	2/1	0/0
LE motor score L5 (R/L)	4/0	1/1	0/0
LE motor score S1 (R/L)	2/0	4/4	0/0
LTR sensory subscore	38	29	26
LTL sensory subscore	37	36	29
LE sensory score L1 (R/L)	1/1	1/1	0/0
LE sensory score L2 (R/L)	1/1	1/1	0/0
LE sensory score L3 (R/L)	1/1	1/1	0/1
LE sensory score L4 (R/L)	1/1	1/2	0/0
LE sensory score L5 (R/L)	1/1	1/1	0/1
LE sensory score S1 (R/L)	1/1	0/1	1/1
LE sensory score S2 (R/L)	1/1	0/1	0/1
PPR sensory subscore	17	29	13
PPL sensory subscore	16	36	15
PPR, dermatome L1-S2	0	4	0
PPL, dermatome L1-S2	0	8	0
<p>AIS, American Spinal Injury Association Impairment Scale; LEMS, Lower extremity motor score; SCI, spinal cord injury; LEL, Lower extremity left; LER, lower extremity right; LTL, Light touch left; LTR, Light touch right; PPL, Pin prick left; PPR, Pin prick right; R/L, right/left; UEMS, Upper extremity motor score; WISCI, Walking index for spinal cord injury.</p> <p>*Reason of AIS C classification in spite of motor scores of 0 throughout all lower extremity key muscles is the presence of voluntary anal contraction.</p>			

Supplementary Table 1 | Subjects' data and neurological status according to the International Standards for Neurological Classification of Spinal Cord Injury. All the values were collected before the surgical