

Supplementary Table 1. Placement locations for sEMG electrodes

Internal oblique muscle	The midpoint 2 cm superior to the anterior superior iliac spine and the pubic symphysis.
External oblique muscle	Ten centimeter lateral to the navel on both the left and right sides.
Multifidus	Electrodes need to be placed on and aligned with a line from caudal tip posterior spina iliaca superior to the interspace between L1 and L2 interspace at the level of L5 spinous process (i.e. about 2–3 cm from the midline).
Erector spinae	AIS group: 2 cm lateral to the left and right of the spinal column at the level of the apex vertebra along the midline. Control group: The electrodes need to be placed at 2 finger width lateral from the proc. spin. of L1.

sEMG, surface electromyography; AIS, adolescent idiopathic scoliosis.