

**Table S2.** Availability of the sensor mounting on a male volunteer's different body part.

	Body position	Max. deformation	Elongation rate (%)	Sensor availability on the position
1	Finger joint	Bending 140°	80	No
2	Wrist	Bending 90°	10	Yes
3	Forearm	Twisting 20°	3.3	Yes
4	Back of the hand	Fist clenching	11.4	Yes
5	Elbow	Bending 115°	76.3	No
6	Knee	Bending 60°	36	No
7	Chest	Clamping the arm	5.9	Yes
8	Tummy	Stretching 30°	5.7	Yes
10	Upper back	Bending over 90°	9.5	Yes
11	Lower back	Bending over 90°	8	Yes
12	Waist	Turning around 90°	9.7	Yes
13	Neck	Stretching the neck	6.4	Yes
14	Shoulder	Stretching the shoulder	14.3	Yes
15	Thigh	Bending knee 60°	4.2	Yes
16	Calf	Stretching the calf	2.2	Yes
17	Ankle	Bending ankle 30°	7.5	Yes
18	Instep	Stretching the instep	7.5	Yes