

Supplementary Table 1 The stress of each measuring point of the pelvis in the sitting position when loading was 600 N

Point	Displacement (μm)	Stress (MPa)
Acetabular anterosuperior	31.7	1.53
Acetabular superior	29.6	2.02
Acetabular superoposterior	17.4	2.27
Ischial tuberosity	0.6	13.68
Ischium and pubis	0.2	2.61
Superior ramus of pubis	10.4	2.45
Iliac fossa	14.4	2.25
Lower part of sacroiliac joint	57.9	5.33
Middle part of sacroiliac joint	69.3	4.68
Sacrum part of sacroiliac joint	98.2	5.15
Upper margin of sacrum	113.1	7.96