

Table S1 Result of patient information and change in spinal factors

Variable	N	Mean±S.D.	Median (Min Max)
diff_PT (Change in PT after operation)	68	-0.56±2.15	-0.33 (-5.08,4.73)
diff_MT (Change in MT after operation)	68	-0.47±3.11	-0.34 (-6.61,11.73)
diff_TL (Change in TL after operation)	29	-0.98±2.09	-0.69 (-6.24, 2.39)
diff_Balance (Change in coronal balance after operation)	29	2.74±10.04	3.75 (-21.81,26.71]
Type of breast reconstruction			
- 1: free TRAM flap	45	N/A	N/A
- 2: Implant ± pedicled LD flap	23	N/A	N/A
Height/cm	68	158.05±5.3	158.35(144.6,171.3)
Body weight/kg	68	59.31±7.67	59.3 (43.5,82.65)
BMI/kg m-2	68	23.72±2.6323.65 (17.34,29.53)	
Age/year	68	50.07±8.58	51 (29,68)
Impant/cc or Flap inset mass(g)	68	486.01±169.25	450 (210,995)
Impant(cc)/Flap inset(g)			
- Below 400	31	N/A	N/A
- Above 400	37	N/A	N/A
Duration between mastectomy and delayed breast reconstruction/ year	62	5.02±5.71	3.05 (0.38,24.04)
Duration between breast reconstruction and postoperative radiograph /year	68	1.48±0.68	1.34 (0.32,3.18)