

Table 3. Data statistics and analysis of patients

Variable	SR group (n=30)	TC group (n=41)	P-value
Mean age, (sd)	38.6±15.4	33.1±12.6	0.119
Gender, n (%)			
M	16 (53.3%)	25 (61%)	0.520
F	14 (46.7%)	16 (39%)	
Campanacci grade, n (%)			
II	9 (30.0%)	21 (51.2%)	0.074
III	21 (70.0%)	20 (48.8%)	
Operating time	174.2±43.0	135.7±38.4	0.000(P<0.05)
Duration of follow-up (month)	54.7±23.2	59.1±19.5	0.387
VAS score			
pre-operation	3.8±1.1	3.3±1.0	0.054
post-operation	1.7±0.8	1.6±0.9	0.686
MSTS score			
three months post-operation	18.8±1.5	19.8±1.5	0.026(P<0.05)
two years post-operation	24.2±1.6	26.3±0.7	0.000(P<0.05)
Pathological fracture,n(%)	7(23.3%)	4(9.8%)	0.219
recurrence,n (%)	3 (10.0%)	3 (7.3%)	0.692
Reoperation,n (%)	6 (20.0%)	3 (7.3%)	0.220
Complications,n (%)			
prosthesis loosening	3 (10.0%)	0	0.141
infection	0	1 (2.4%)	1.000
postoperative satisfaction	24(80.0%)	40(97.6%)	0.040(P<0.05)

*SR:segmental resection; TC:triple clear; VAS:visual analogue score; MSTS: musculoskeletal tumor society

