

Table S1 Comparison of the characteristics of patients with and without ABL after single-level anterior cervical surgery

Variables	Non-ABL	ABL	P value
No. of patients	80	132	–
Age (years)	48.35±12.20	45.55±10.01	0.11
Sex (M/F)	47/33	47/85	0.001*
BMI (kg/m ²)	23.85±2.94	22.70±2.76	0.003*

Data are presented as mean ± standard deviation for continuous variables and presented as case number for categorical variables. *, statistically significant difference. ABL, anterior bone loss; BMI, body mass index.

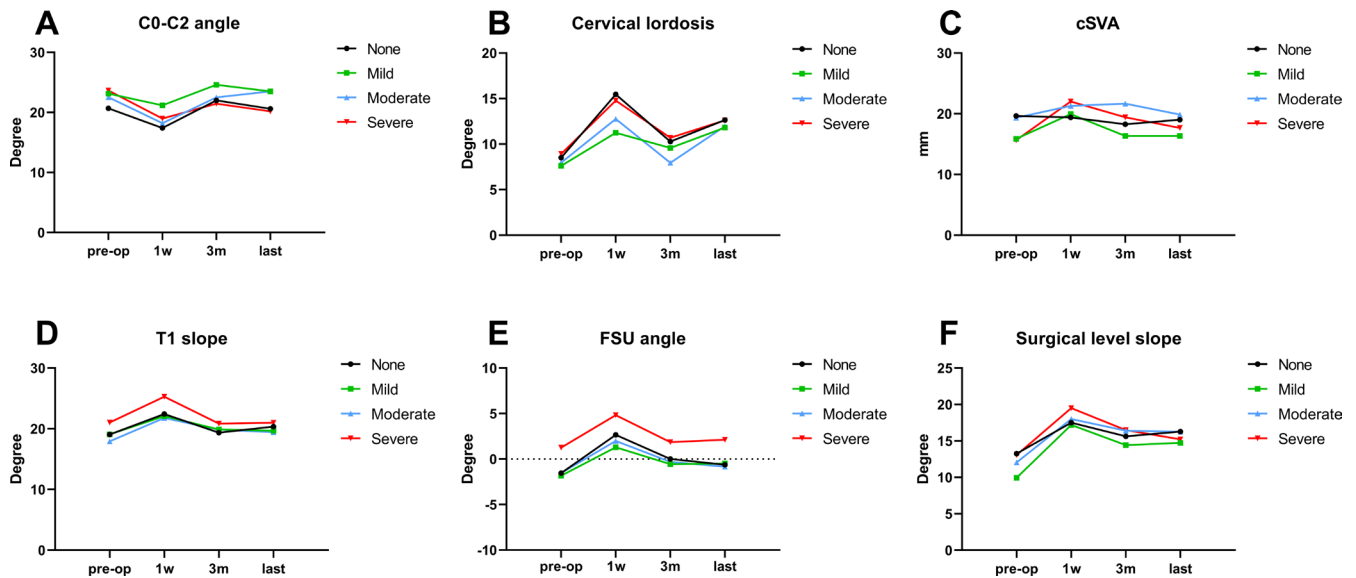


Figure S1 Cervical sagittal alignment parameters of patients with non-ABL, mild, moderate, severe ABL in CDR group. Pre-op, pre-operation; 1w, 1 week after surgery; 3m, 3 months after surgery; last, last follow-up; cSVA, C2–C7 sagittal vertical axis; FSU, functional spinal unit; ABL, anterior bone loss; CDR, cervical disc replacement.

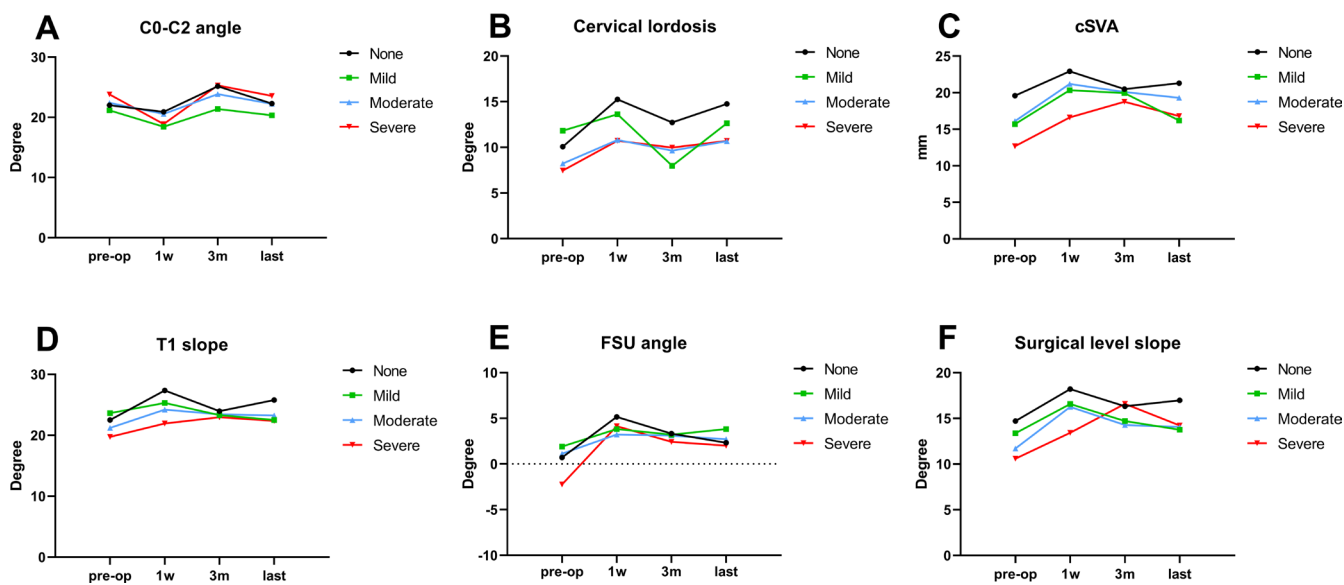


Figure S2 Cervical sagittal alignment parameters of patients with non-ABL, mild, moderate, severe ABL in ACDF group. Pre-op, pre-operation; 1w, 1 week after surgery; 3m, 3 months after surgery last, last follow-up; cSVA, C2–C7 sagittal vertical axis; FSU, functional spinal unit; ABL, anterior bone loss; ACDF, anterior cervical discectomy and fusion.