

Supplementary Table 1 The statistics for inter-observer reliability

Parameters	Inter-observer reliability	
	ICC (95%CI)	
peak stresses(MPa)	120° fixed group	0.843 (0.754-0.897)
	125° fixed group	0.989 (0.984-0.992)
	130° fixed group	0.955 (0.924-0.972)
	135° fixed group	0.975 (0.964-0.983)
	140° fixed group	0.886 (0.834-0.921)
peak displacements(mm)	120° fixed group	0.979 (0.967-0.986)
	125° fixed group	0.945 (0.936-0.966)
	130° fixed group	0.958 (0.931-0.976)
	135° fixed group	0.965 (0.944-0.982)
	140° fixed group	0.984 (0.975-0.992)

ICC: the intraclass correlation coefficients