

**Table S3.** Range of motion in joints before and after the cord blood cell therapy

Joint	Motion Range	Before first infusion		1 year after first infusion	
		Right	Left	Right	Left
Shoulder	Flexion-Extension	240°	<b>230°</b>	240°	<b>240°</b>
	Abduction-Adduction	210°	<b>200°</b>	210°	<b>210°</b>
	External rotation-Internal Rotation	180°	180°	180°	180°
Elbow	Flexion-Extension	<b>130°</b>	<b>130°</b>	<b>140°</b>	<b>140°</b>
Wrist	Flexion-Extension	95°	90°	90°	90°
Thumb	Flexion-Extension (MP)	5°	<b>10°</b>	0°	<b>0°</b>
	Flexion-Extension (PIP)	90°	90°	90°	90°
3rd digit	Flexion-Extension (MP)	100°	110°	100°	110°
	Flexion-Extension (PIP)	90°	90°	90°	90°
	Flexion-Extension (DIP)	70°	70°	70°	70°
Hip	Flexion-Extension	117°	113°	100°	100°
	Abduction-Adduction	60°	60°	60°	60°
	External rotation-Internal Rotation	45°	40°	40°	40°
Knee	Flexion-Extension	<b>70°</b>	<b>75°</b>	<b>60°</b>	<b>60°</b>
Ankle	Dorsiflexion-Plantar flexion	<b>40°</b>	30°	<b>25°</b>	25°
Toe	Flexion-Extension (MP)	30°	30°	30°	30°

The motion range that changed more than 10° at 1 year after therapy are shown in bold prints. The motion range were evaluated right before and one year after the first infusion of cord blood cells. Abbreviations: MP, Metacarpophalangeal; PIP, Proximal interphalangeal; DIP, Distal interphalangeal