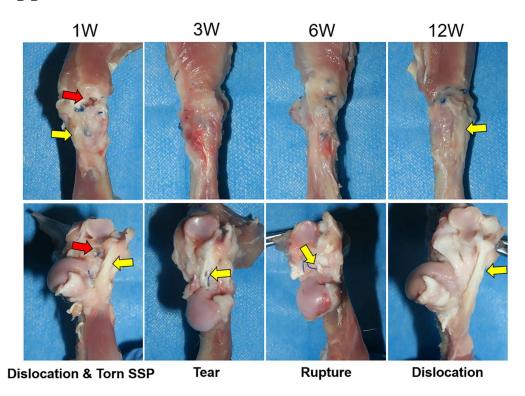
## The Biomechanical and Histological Processes of Rerouting Biceps to Treat Chronic Irreparable Rotator Cuff Tears in a Rabbit Model

## **Appendix**



**Figure A1.** The complications occurred after biceps was rerouted. Red arrows were failure sites of SSP tendon and the yellow ones were failure sites of biceps. SSP, supraspinatus.

**TABLE A1.** Failure Modes of Intra-articular portions of Rerouting-biceps

	1W	3W	6W	9W	12W	NSC
Midsubstance rupture	0	0	3	5	6	6
Full-out failure from groove	6	6	3	1	0	0

NSC, native superior capsule.

**TABLE A2.** Failure Modes of Extra-articular Portions of Rerouting-biceps

	1W	3W	6W	9W	12W	NB
Midsubstance rupture	0	2	4	5	6	0
Full-out failure from groove	6	4	2	1	0	0
Bone avulsion fracture	0	0	0	0	0	6

NB, native biceps.

**TABLE A3.** Failure load and Stiffness of Intra-articular Portions of Rerouting-biceps

	1W	3W	6W	9W	12W	NB
Failure load (N)	$2.35 \pm 1.50$	$6.33 \pm 4.68$	$38.33 \pm 10.46$	$63.83 \pm 5.46$	$65.50 \pm 8.78$	$22.83 \pm 3.90$
Stiffness (N/mm)	$2.13 \pm 0.86$	$7.17 \pm 3.87$	$13.33 \pm 3.50$	$31.67 \pm 4.18$	$38.00 \pm 4.90$	$13.83 \pm 2.14$

NSC, native superior capsule.

TABLE A4. Failure load and Stiffness of Extra-articular Portions of Rerouting-biceps

	1W	3W	6W	9W	12W	NB
Failure load (N)	$2.13 \pm 1.80$	7.33±	$42.33 \pm 5.96$	$62.33 \pm 7.69$	$69.33 \pm 6.98$	51.67±3.27
		2.42				
Stiffness (N/mm)	$2.33 \pm 1.91$	$6.83 \pm$	$13.16 \pm 6.27$	$32.33 \pm 6.50$	$39.67 \pm 4.27$	$21.17 \pm 2.86$
		6.82				

NB, native biceps.