

Patient Data*		Shear wave velocity (mean in [m/s])					Contral site		Elastographic behaviour on a time scale up to one year	
		time point	Injured Tendon				Tendon	Insertion		
			Rupture area	Distal area	Proximal area	Insertion				
Patient # 1 A: 48 S: male B: 29.5 M: bike accident D: 3.4 cm G: 0.8 cm C: - T: O	0w	5.05	7.37	7.40	9.92	9.98	9.99			
	1w	7.76	4.48	4.55	8.49					
	3w	6.23	4.46	4.58	8.56	9.84	9.43			
	6w	6.96	5.41	4.97	9.60					
	9w									
	12w		10.00	8.72	9.98	9.55	8.98			
	6m	6.75		6.78	7.45	9.94	9.06			
	9m	9.99	10.00	10.00	9.80	9.93	9.51			
	12m	10.00	9.84	9.98	10.00	9.70	9.63			
	Patient # 2 A: 52 S: male B: - M: during physiotherapeutical practice after ACL rupture D: 3.7 cm G: 1.8 cm C: smoking T: O	0w	3.36	4.02	7.13	6.44	9.97		9.43	
		1w	5.37	4.87	5.44	7.48				
		3w	5.98	5.20	5.61	6.06	9.95		9.64	
		6w		9.99	10.00	9.99				
9w		10.00	9.98	9.28	9.61					
12w		9.97	9.97	9.43	9.95	9.27	9.45			
6m		9.98	9.94	8.86	9.96	9.92	9.87			
9m		10.00	10.00	9.99	10.00	10.00	9.63			
12m		8.52	9.66	9.96	10.00	9.81	9.97			
Patient # 3 A: 29 S: male B: 24.7 M: tennis D: 5.6 cm G: 1.3 cm C: smoking T: NO		0w	6.40	6.07	3.83	9.93	9.74	9.82		
		1w								
		3w	4.36	6.30	7.22	8.59	9.97	10.00		
		6w	8.92	9.37	9.05	9.58				
	9w	6.79	6.32	8.54	8.32					
	12w	7.60	6.41	8.63	7.62	8.58	8.47			
	6m	9.05	6.76	9.77	6.93	7.67	9.14			
	9m	9.99	10.00	9.54	9.45	9.88	9.63			
	12m	9.66	9.68	9.97	9.82	9.97	9.69			
	Patient # 4 P: 4 A: 21 S: male B: 20.4 M: soccer D: 5.6 cm G: 0.8 cm C: - T: NO	0w	3.06	7.98	4.19	9.86	9.92	10.00		
		1w	2.95	4.66	3.72	9.17				
		3w	8.00	9.59	8.85	8.93	9.94	9.98		
		6w	9.36	7.05	6.93	8.56				
9w		7.96	6.89	6.82	9.15					
12w		9.46		8.00	6.39	8.11	8.11			
6m		9.97	9.33	9.45	9.80	9.31	9.96			
9m		9.68	9.54	8.93	9.49	9.34	10.00			
12m		8.39	9.64	9.51	9.87	9.53	10.00			
Patient # 5 A: 29 S: male B: 34.9 M: soccer D: 4.4 cm G: 0.9 cm C: - T: NO		0w	5.03	5.19	4.16	9.65	9.92	10.00		
		1w	3.54	3.24	3.21	5.68				
		3w	4.64	3.68	4.66	4.51	9.65	9.76		
		6w	9.20	8.47	8.55	9.06				
	9w	8.66	9.61	8.65	9.19					
	12w	10.00	8.32	8.32	7.72	9.98	9.85			
	6m									
	9m	9.94	9.88	9.98	8.33	9.53	9.66			
	12m	9.97	9.32	7.55	8.68	9.53	9.86			
	Patient # 6 A: 26 S: male B: 21.1 M: ankle hyperextension during fall while bouldering D: 4.9 cm G: 0.3 cm C: - T: NO	0w	3.00	3.34	3.57	8.71	8.53	9.99		
		1w	3.06	3.01	3.01	8.19				
		3w	3.94	5.19	3.26	7.23	7.03	7.47		
		6w	9.43	9.54	8.35	8.93				
9w		9.96	9.36	9.99	8.73					
12w		9.86	9.24	10.00	9.13	8.50	9.99			
6m		9.95	9.69	9.89	9.41	9.67	9.82			
9m		9.87	9.68	9.54	9.96	9.59	9.51			
12m		9.51	9.10	7.02	8.13	9.48	9.90			
Patient # 7 A: 62 S: male B: 37.5 M: step on doorkill D: 4.9 cm G: 0.5 cm C: diabetes, polyneuropathy, pAOD T: NO		0w	3.74	3.10	4.14	7.44	9.92	9.88		
		1w	3.42	3.39	5.21	8.34				
		3w	4.45	5.34	7.32	7.88				
		6w	7.22	6.93	4.64	5.89				
	9w	7.67	8.16	6.44	8.86					
	12w	7.79	7.97	6.92	9.28	5.34	9.97			
	6m	9.88	9.99	9.46	9.98	7.24	8.61			
	9m	9.80	10.00	8.44	9.77	9.44	9.80			
	12m	9.94	9.99	8.82	9.47	8.61	9.79			
	Patient # 8 A: 44 S: male B: 25.3 M: badminton D: 5.3 cm G: 0.3 cm C: - T: NO	0w		4.71	5.68	9.81	9.93	9.97		
		1w	4.14	3.98	3.90	5.81				
		3w	4.03	4.05	3.65	5.90				
		6w	7.25	6.82	5.89	8.87				
9w		8.67	9.31	8.60	10.00					
12w		9.63	8.62	6.21	8.72	9.21	9.99			
6m		9.91	8.78	7.90	8.78	9.95	9.73			
9m		9.90	9.00	8.68	9.38	9.61	9.96			
12m		10.00	9.89	8.85	9.88	9.56	9.48			
Patient # 9 A: 32 S: male B: 25 M: soccer D: 5.3 cm G: 0 cm C: smoking T: O		0w	3.00	3.84	3.08	7.37	9.89	9.85		
		1w	3.02	3.20	3.33	8.66				
		3w	5.05	4.09	5.81	6.70	7.66	9.22		
		6w	8.96	7.03	8.01	7.91				
	9w	9.47	9.70	9.33	9.74					
	12w	10.00	9.99	9.36	9.67	9.86	9.00			
	6m	10.00	9.93	9.10	9.95	9.85	9.93			
	9m	9.96	10.00	8.13	9.94	9.11	9.89			
	12m	9.98	10.00	8.68	9.96	9.91	9.10			
	Patient # 10 A: 39 S: M B: 25.9 M: soccer D: 3.7 cm G: 0.3 cm C: - T: NO	0w	3.04	4.99	4.10	9.88	9.05	9.81		
		1w	5.88	6.45	4.77	8.98				
		3w	9.31	8.94	7.09	9.36	9.60	10.00		
		6w	8.97	7.90	5.25	8.84				
9w										
12w		9.31	7.66	6.51	9.61	8.46	10.00			
6m		9.42	9.42	9.32	9.37	9.94	9.62			
9m		9.99	9.98	8.34	9.79	9.77	10.00			
12m		9.04	8.21	6.63	9.39	9.15	9.00			
Patient # 11 A: 48 S: female B: 35.2 M: ballroom dancing D: n.a. G: 0 cm C: - T: NO		0w								
		1w	3.74	4.08	4.59	9.18				
		3w	6.36	5.39	4.61	8.34	7.77	8.89		
		6w	9.71	9.53	5.38	9.99				
	9w									
	12w	9.30	7.30	9.72	9.10	7.97	8.68			
	6m	9.98	8.81	8.47	9.93	8.35	9.93			
	9m	9.97	9.78	9.13	9.22	9.75	8.01			
	12m	10.00	9.80	8.64	9.56	9.94	9.81			
	Patient # 12 A: 45 S: male B: n.a. M: climb down the ladder D: 3.4 cm G: 3 cm C: smoking T: NO	0w	3.17	3.07	3.09	9.78	9.14	9.49		
		1w	3.74	4.08	4.59	9.18				
		3w								
		6w	4.60	9.28	5.82	10.00				
9w										
12w		8.63	9.10	7.43	9.39					
6m										
9m		7.62	8.81	7.98	8.21	8.75	9.48			
12m										

Supplemented Data: Demographics, Shear wave velocities and elastographic curves of the included patients

\* A: Age; S: Sex; B: BMI; M: Trauma mechanism; D: Distance of rupture from calcaneus; G: Length of gap in 0'; C: Comorbidities; T: Treatment (NO = non-operative, O = operative (grey background))