$\label{lem:continuous} \textbf{Supplementary information.} \ \textbf{DRUST treatment guidance}$

Treatment goal	g muscles , conscious neuromuscula Treatment technique	Description		
Proprioception awareness	Blinded active neutral wrist	In therapy sessions and applies in daily activities		
Joint position sense	positioning	in therapy sessions and appnes in daily activities		
Conscious pain free static wrist	Isometric wrist stabilization during	Work on kinesthesia and joint position		
stabilization	movement in elbow or shoulder	sense through maintaining static wrist position Moving the arm slowly while wrist maintains in neutral position without moving the wrist		
	Isometric wrist stabilization in			
	kinetic chain (elbow, shoulder and forearm together)			
Unconscious static wrist	Isometric wrist stabilization in	Mirror movements with distraction or holding a		
stabilization	kinetic chain	balloon up in the air with different hand/wrist positions.		
Strengthening phase (starts wh	en patient is able to a proper perform	ance of the exercises of preparation phase)		
0 0	· -	euromuscular control and endurance of		
wrist muscles, unconscious n		*		
Strengthening of wrist stabilizers	Isometric wrist stabilization	Isometric wrist strengthening aggravated with increasing repetitions and weight		
		(0.5 to 2 kg)		
Strengthening PQ	Eccentric/concentric	Hammer exercise		
		Sitting position with elbow flexed 90 degrees. Hold		
		the hammer and move from neutral to supination		
		and back (no pronation)		
Strengthening ECU	Isometric elastic band exercise	ECU strengthening started in supinated or neutral position of the forearm		
Conscious wrist /DRUJ	Horizontal tensioned elastic band	Tighten the elastic band horizontally with a hand		
stabilization with PQ en ECU	exercise	sized tube in the middle. Take the tube supinated and pronate to neutral. From that position move the arm holding the wrist and forearm stabilized.		
activation				
Functional training phase (sta	arts when patient is able to a proper pe	erformance of the exercises of strengthening phase		
		exercises, sport- and work-specific		
Unconscious wrist /DRUJ stabilization with PQ en ECU activation	ECU/PQ concentric in kinetic chain	Horizontal tensioned elastic band with a hand-		
		sized tube in the middle.		
		Take hold of the tube supinated and pronate to		
		neutral while holding a balloon in the air.		
		Racket exercise the racket in supinated grip so PQ		
		and ECU are activated. Roling a ball on the racket or keeping ball or balloon in the air with racket		
		of keeping out of outlook in the un with facket		
	Reaction-force exercise	Throwing and catching a horizontal stick with a pronated arm so that pronation is activated		
	Weight-bearing exercise	From light (horizontal) to heavy (pushing) on stable or unstable surface while activate pronation muscles		
	Plyometric exercise	Standing while hands placed on the wall in front.		
	-	Elbows flexed to bring chest close to the wall. Push		
		back dynamically, so hands come off the wall. Fall		
		controlled, back to the wall, while flexing the arms		

Adopted from the original by Hagert, Rehabilitation Strategies and Treatment Plan in Wrist

Proprioception Re-education ⁶