Supplemental Table 1: Functional outcomes after radiocarpal dislocations

			Functional results: (degrees)								
Study	**Level of Evidence**	**Size, Method, Follow-up, Classification, Treatment method**	Flex	Ext	Pro	Sup	Rad dev	Uln dev	Strength % recovery of contralateral	**Progression to OA, Ulnar translation of the carpus**	**Complications & Patient-Reported Outcomes**
Spiry et al. Orthop Traumatol Surg Res. 2018;104(2): 261-6.	IV: Retrospective chart review	13 pts via chart review; 168 mo. follow-up; 1 Dumontier Type 1, RC fusion; 12 Dumontier Type 2, 3 RC fusion, 1 plate, 5 EF, 9 Styloid K-wire	54	47	76	70	21	31	-	OA: 6 Ulnar translation: 1	1 DRU synostoses 1 RL fusion for ulnar translation DASH: 23 PRWE: 27 SSV:72 VAS: 1
Yang et al. JBJS Case Connet. 2018;8(3):1-6.	IV: Retrosepective Case Report	1 pt. 19 yo M; 18 mo follow-up, dorsal dislocation with avulsed fragment trapped in RC joint; ORIF, capsuloligamentous repair.	70	50	90	90	-	-	-	OA: none Ulnar translation: none	
Cowley et al. ANZ J Surg; 2018;88:E554-5.	IV: Retrospective Case Report	1 pt. 48 yo M; 2 yr follow-up; volar dislocation with complete rupture of all volar RC ligaments; volar ligamentous repair, K-wires from radial styloid to scapohoid, capitate and lunate.	67	70	80	80	17	36	100%	OA: none Ulnar translation:present	QuickDASH: 2 PRWE: 4.5
Yuan et al. Hand. 2015;10:367-73.	IV: Retrospective chart review	26 pts via chart review; 2.8 yr. follow-up; 1 volar dislocation, 25 dorsal dislocation; 1 EF, 13 primary ligament repair, 6 RC percutaneous pinning, 3 RC fusion, 3 presented late (initial cast to PRC; ORIF DRF to no further treatment; splint to RSL fusion)	76 degree arc of motion	-	-	-	-	-	68%	OA: 4 Ulnar translation: 3	DASH: 10 PRWE: 15 Mayo wrist score: 64
Potter et al. J Wrist Surg. 2014;3:265-8.	IV: Retroscpective Case Report	1 pt., 32 yo M; 1 yr follow-up; Dumontier Type 1; dorsal wrist-spanning plate and volar capsular repair	65	70	-	-	-	-	-	OA: none Ulnar translation: none	-
Dahmani et al. Chir Main. 2013;32;30-6.	IV: Retrospective chart review	9 pts; 3 yr follow-up; 2 Dumontier I, 7 Dumontier II, 8 Moneium I, 1 Moneium II; 5 percutaneous radial styloid, 2 open reduction and pinning, 9 radiocarpal pinnings	-	-	-	-	-	-	-	OA: 1 Ulnar translation: none	Cooney: 69
Takase et al. Eur J Orthop Surg Traumatol. 2013;23:S197-201/	IV: Retrospective case report	1 pt., 21 yo M; 1 yr follow-up; Dorsal dislocation, radial styloid fx, avulsion of dorsal distalradius; K-wires to radial styloid, dorsal ligamentous repair.	70	70	90	90	-	-	89%	-	-

Dumontier et al. J Bone Joint Surg. 2001;83-A(2):212-8	IV: Retrospective Case series	27 pts.; 5 Dumontier I, 25 mo follow-up, 22 Dumontier II 47 mo follow-up; 4 closed reduction, 5 K-wire fixation, 2 EF, 11 Open reduction, K-wire fixation and of these, 5 had ligamentous repair, 1 bone grafting	Group 1: 54 Group 2: 51	Group 1: 54 Group 2: 56	Group 1: 76 Group 2: 63	Group 1: 66 Group 2: 76	Group 1: 15 Group 2: 21	Group 1: 18 Group 2: 39	Group 1: 27kg Group 2: 38kg	Group 1: -OA: 1 -Ulnar translocation: 4 Group 2: -OA: 2 -Ulnar translocation: 0	Group 1: 2 SL dissociation, Group 2: 1 SK procedure, 1 Darrach, 1 septic arthritis, 1 flexor tendon rupture
Mudgal et al. J Hand Surg. 1999;24B(1): 92-8.	IV: Retrospective chart review	12 pts; 36 mo follow-up; 10 Moneim Type II, 2 Moneim Type II; Treatment: EF, CTR/UTR if needed, K-wire carpal fx if needed, sutures in palmar capsule, ORIF DRF, K-wire ulnar styloid,	Type I: 59; Type II: 45	Type I: 53 Type II: 32	Type I: 82 Type II:65	Type I: 74 Type II: 75	-	-	Type I: 83% Type II: 74%	OA: 3 Ulnar translation: 0	1 ulnar styloid nonunion 1 STSG 4/12 pain with heavy labor 6/12 wrist stiffness 4/12 weak grip
Schoenecker et al. Clin Orthop Relat Res. 1985;197: 237-44	IV: Retrospective case series	5 pts; 6 dorsal dislocations; 39 mo. follow-up; 5 Open reduction, K-wire fixation, 1 closed reduction	61	53	67	62	-	-	-	OA: 3 Ulnar translation: 1	1 Painful ROM
Nyquist et al. J Hand Surg. 1984;9A:707 -10	IV: Retrospective case series	9 pts; 10 open dorsal RC dislocations; 15 mo. follow-up; 10 wound debridement, irrigation and reduction, 7 CTR/UTR, 2 EF, 4 Pins and plaster, 2 K-wires, 1 cancellous screw	57 degree arc of motion	-	-	-	-	-	51%	-	-

Flex = flexion, ext = extension, pro = pronation, sup = supination, rad dev = radial deviatin, uln dev = ulnar deviation, OA = osteoarthritis, pts = patients, mo = months, RC = radiocarpal, EF = external fixation, K-wire = Kirschner wire, DRU = distral radial ulnar, RL = radiolunate, DASH = disability of the arm, shoulder and hand, PRWE = patient-related wrist evaluation, SSV = subjective shoulder value, VAS = visual analog score, yo = year old, M = male, ORIF = open reduction and internal fixation, yr = year, PRC = proximal row carpectomy, DRF = distal radius fracture, RSL = radioscapholunate, fx = fracture, SL = scapholunate, SK = Sauvé-Kapandji, CTR = carpal tunnel release, UTR = ulnar tunnel release, STSG = split-thickness skin graft, ROM = range of motion