



Fig. E-1

Diagram depicting the hydraulic testing machine and the potted scaphoid specimen. PMMA = polymethylmethacrylate.

TABLE E-1 Different Methods Used for Screw Placement Through a Volar Approach

Author(s)	Approach	Position*	
		Arm	Wrist
Adolfsson et al. ¹⁶	Standard	Arm abducted with finger traction	ns
Arora et al. ¹⁷	Standard	ns	Ulnar deviation
Bond et al. ⁵	Standard	Arm abducted	Extension
Chen et al. ¹⁸	Standard	Arm abducted	Extension
De Vos and Vandenberghe ¹⁹	Transtrapezial	Arm abducted	Ulnar deviation
Drác et al. ²⁰	Standard	Arm abducted	Extension
Haddad and Goddard ²¹	Standard	Thumb suspended	Ulnar deviation
Iacobellis et al. ²²	Cannulated needle	Arm abducted	Extension
Inoue and Shionoya ²³	Standard	Arm abducted	ns
Jeon et al. ²⁴	Standard	Arm abducted	ns
Kim et al. ²⁵	Standard	Arm abducted	Extension
Ledoux et al. ²⁶	Standard	Arm abducted	ns
McQueen et al. ⁶	Standard	Arm abducted	Extension
Meermans and Verstreken ²⁷	Transtrapezial	Arm abducted	ns
Merrell and Slade ²⁸	Standard	Thumb suspended	ns
Moser et al. ²⁹	Standard	Arm abducted	Extension
Müller et al. ³⁰	Standard	Arm abducted	Extension and ulnar deviation
Patillo et al. ³¹	Standard	Arm abducted	Extension
Schwarz ³²	Standard	Thumb suspended	ns
Shih et al. ³³	Standard	Finger traction	ns
Strelj ³⁴	Standard	Traction	ns
Wozasek and Moser ³⁵	Standard	Thumb suspended	Ulnar deviation
Yip et al. ³⁶	Standard	Arm abducted	Extension
Zlotolow et al. ³⁷	14-gauge angio-catheter	Arm abducted with thumb traction	Extension
*ns = not specified.			