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Appendix 1

Pubmed:

("Rupture"[Mesh] OR rupture*[all fields] OR "Joint Instability"[Mesh] OR instability[all fields] OR "Joint Dislocations"[Mesh] OR dislocat*[all fields] OR sublux*[all fields] OR unstable[all fields]) AND ("Clavicle"[Mesh] OR clavi*[all fields] OR "collar*" [all fields] OR "collar bone*" [all fields] OR "ac joint" [all fields] OR acromioclavicular[all fields] OR coracoclavicular[all fields]) AND ("Rockwood" [all fields] OR "Rockwood III" [all fields] OR "cortical button" [all fields] OR "suture button" [all fields] OR button[all fields] OR endobutton[all fields] OR "hook plate" [all fields] OR "Allografts"[Mesh] OR graft[all fields] OR "Autografts"[Mesh])

Appendix 2. Published Studies Used to Create Decision Model Transition State Probabilities

Study	Technique	Outcomes for Decision Tree Probabilities
Phillips et al, 1998 ²⁴	nonoperative	38 nonoperative
Gstettner et al, 2008 ³¹	Nonoperative vs hook plates	17 nonoperative, 24 hook plate
Cardone et al, 2002 ²⁷	nonoperative	8 nonoperative
Petri et al, 2016 ³⁴	nonoperative	11 nonoperative
Tang et al, 2018 ³⁹	nonoperative	17 nonoperative
Prokop et al, 2003 ³⁵	nonoperative	3 nonoperative
Joukainen et al, 2014 ³²	nonoperative	11 nonoperative
Schlegel et al, 2001 ³⁷	nonoperative	20 nonoperative
Rawes et al, 1996 ³⁶	nonoperative	30 nonoperative
Dias et al, 1987 ²⁹	nonoperative	53 nonoperative
Glick et al, 1977 ³⁰	nonoperative	35 nonoperative
MacDonald et al, 1988 ³³	nonoperative	10 nonoperative
Taft et al, 1987 ³⁸	nonoperative	75 nonoperative
De Carli et al, 2015 ²⁸	nonoperative	25 nonoperative, 30 buttons
Calvo et al, 2006 ²⁶	nonoperative	11 nonoperative
Steinbacher et al, 2014 ⁵¹	hook plate	19 hook plates
Kienast et al, 2011 ⁴⁵	hook plate	225 hook plates
Salem et al, 2009 ⁵⁰	hook plate	9 hook plates
Di Francesco et al, 2012 ⁴⁴	hook plate	22 hook plates
Wang et al, 2009 ⁴³	hook plate	21 hook plates
Pereira-Graterol et al, 2012 ⁴⁹	hook plate	11 hook plates
Wang et al, 2018 ⁵³	hook plate vs allograft	8 hook plates, 2 allografts
Wang et al, 2020 ⁶	hook plate vs suture button	30 hook plates, 30 buttons
Metzlaff et al 2014 ⁴⁸	hook plate	20 hook plates
Chang et al, 2019 ⁴¹	hook plate	12 hook plates
Łazarski et al, 2019 ⁴⁷	hook plate	4 hook plates

Cai et al, 2018 ⁴⁰	hook plate	39 hook plates
Kumar et al, 2015 ⁴⁶	hook plate	33 hook plates
Chen et al, 2014 ⁴²	hook plate	29 hook plates
Ye et al, 2014 ⁵²	hook plate	20 hook plates, 20 allografts
Torkaman et al, 2016 ⁶⁰	suture button	8 buttons
Acar et al, 2015 ⁵⁴	suture button	13 buttons
Zhang et al, 2018 ¹⁹	suture button	61 buttons
Beris et al, 2013 ⁵⁵	suture button	8 buttons
Glanzmann et al, 2013 ⁵⁷	suture button	16 buttons
Loriaut et al, 2015 ⁵⁸	suture button	28 buttons
Sun et al, 2019 ⁵⁹	suture button	41 buttons
Faggiani et al, 2016 ⁵⁶	suture button	8 buttons
Millett et al, 2009 ⁶⁴	autograft	17 allografts
Ye et al, 2016 ¹⁸	autograft	23 allografts
Kibler et al, 2017 ⁶²	allograft	9 allografts
Tauber et al, 2009 ⁶⁵	autograft	5 allografts
Yoo et al, 2010 ⁶⁶	autograft	5 allografts
Kocaoglu et al, 2017 ⁶³	allograft	12 allografts
Huang et al, 2015 ⁶¹	autograft	37 allografts