

**Tables E1-E3.** Rates of recurrence after the surgical treatment of patients with recurrent posterior instability. This is a summary of the previous English-language articles that have reported on the effects of treatment for recurrent posterior shoulder instability in terms of recurrence postoperatively. In order to find all relevant articles, MEDLINE, EMBASE, PubMed and the Cochrane Central Register of controlled trials were searched. Review articles and the reference lists of articles were also checked. Studies including patients with bidirectional and multidirectional posterior instability in addition to posterior instability were included and are referred to in the legend. Post-operative recurrence has been defined as recurrent posterior instability.

**Table E1.** Rates of recurrence after open soft-tissue procedures for treatment of patients with recurrent posterior instability

Author	Procedure	Number of shoulders	Number with recurrence post-surgery	Percentage recurrence	Average follow-up in months (range)
English <sup>78</sup>	RPP	4	3	75	Not recorded
Hawkins <sup>18</sup>	RPP	6	5	83	86 (24-180)
Goss*** <sup>83</sup>	OPC	13	0	0	36 (9-69)
Fronek <sup>19</sup>	OPC	6	1	17	60 (24-84)
Hurley <sup>45</sup>	RPP	22	16	73	60 (24-132)
Tibone <sup>^3</sup>	OPC	40	11	28	(24-120)
Bigliani** <sup>23</sup>	OPC	35	4	11	60 (24-150)
Hawkins <sup>25</sup>	OPC	14	0	0	44 (18-48)
Wirth* <sup>86</sup>	OAC	10	1	10	60 (24-103)
Fuchs^^ <sup>12</sup>	OPC	26	6	23	91 (21-175)
Misamore <sup>92</sup>	OPC	14	1	7	45 (26-90)
Arciero <sup>2</sup>	OPC	12	1	8	34 (not recorded)
<b>Total</b>		<b>202</b>	<b>49</b>	<b>24</b>	

RPP - Reverse Putti-Platt; OPC - Open posterior capsulorrhaphy; OAC - Open anterior, inferior and posterior capsulorrhaphy and rotator interval closure; \*Patients had predominantly posterior instability with multidirectional laxity; \*\* Instability was unidirectional posterior in 6 shoulders, posteroinferior in 7 shoulders and multidirectional in 22 shoulders; \*\*\* Six patients also had inferior/multidirectional instability at surgery; ^ Capsulorrhaphy performed with staples in 20 patients and sutures in 20 patients; ^^ Additional procedures comprised posterior bone block in 1 patient and posterior glenoid osteotomy in 3 shoulders.

**Table E2. Rates of post-operative recurrence after glenoid osteotomy and posterior bone block to treat patients with recurrent posterior instability**

Author	Procedure	Number of shoulders	Number with recurrence after surgery	Percentage recurrence	Average follow-up in months (range)
<b><u>Glenoid osteotomy</u></b>					
Scott <sup>77</sup>	PGO	3	1	33	38 (27-53)
English <sup>78</sup>	PGO	4	0	0	Not recorded
Kretzler <sup>79</sup>	PGO	28	4	14	Not recorded
Hawkins <sup>18</sup>	PGO+S	17	7	41	86 (24-180)
Norwood <sup>47</sup>	PGO	19	9	47	39 (13-82)
Brewer <sup>41</sup>	PGO+S	5	1	20	19 (12-24)
Hernandez <sup>102</sup>	PGO+S	8	0	0	36 (10-114)
Wilkinson <sup>100</sup>	PGO	21	4	19	24-48
<b>Total</b>		<b>105</b>	<b>26</b>	<b>25</b>	
<b><u>Posterior bone block</u></b>					
Ahlgren <sup>80</sup>	BB	5	3	60	38 (15-48)
Mowery <sup>94</sup>	BB+S	5	1	20	(30-96)
Fronek <sup>19</sup>	BB+S	5	0	0	60 (24-84)
Hinojosa <sup>81</sup>	BB	5	2	40	102 (36-210)
Gosens <sup>101</sup>	BB	5	0	0	72 (43-102)
<b>Total</b>		<b>25</b>	<b>6</b>	<b>24</b>	

Key: PGO - Posterior glenoid osteotomy; S - Soft tissue repair; BB - Posterior bone block.

Table E3. Rates of recurrence after arthroscopic treatment of patients with recurrent posterior instability

Author	Procedure	Number of shoulders	Number with recurrence post-surgery	Percentage recurrence	Average follow-up in months (range)
<b><u>Posterior instability</u></b>					
Papendick <sup>24</sup>	CR <sup>#</sup>	41	2	5	10 (4-41)
Wolf <sup>1</sup>	CR	14	1	7	33 (24-45)
Hovis <sup>55</sup>	TC	6	0	0	54(30-108)
Williams <sup>6</sup>	CR	27	2	7	61 (24-140)
Goubier <sup>7</sup>	CR	13	0	0	34 (11-80)
Kim <sup>27</sup>	CR	27	1	4	39 (24-85)
Noonan <sup>75</sup>	TC+CR	5	0	0	38 (24-66)
Arciero <sup>2</sup>	CR	21	2	10	34 (range not recorded)
<b>Total</b>		<b>154</b>	<b>8</b>	<b>5</b>	
<b><u>Postero-inferior instability</u></b>					
Mcintyre <sup>***5</sup>	CR	20	5	25	31 (24-44)
Antoniou <sup>*29</sup>	CR	41	6	15	28 (12-69)
Gartsman <sup>**49</sup>	CR	16	0	0	34 (26-63)
Abrams <sup>***76</sup>	TC	48	2	4	>24 (range not recorded)
Kim <sup>**84</sup>	CR	31	1	3	51 (34-68)
<b>Total</b>		<b>156</b>	<b>14</b>	<b>9</b>	

CR - Posterior capsulolabral repair; TC - Arthroscopic thermal capsulorrhaphy; <sup>#</sup> Mini-open capsulorrhaphy performed in some patients; \* 10 shoulders had evidence of multidirectional instability; \*\*adjunctive thermal capsulorrhaphy or rotator interval closure also used; \*\*\* Patients with both posterior and posteroinferior instability included in the study.