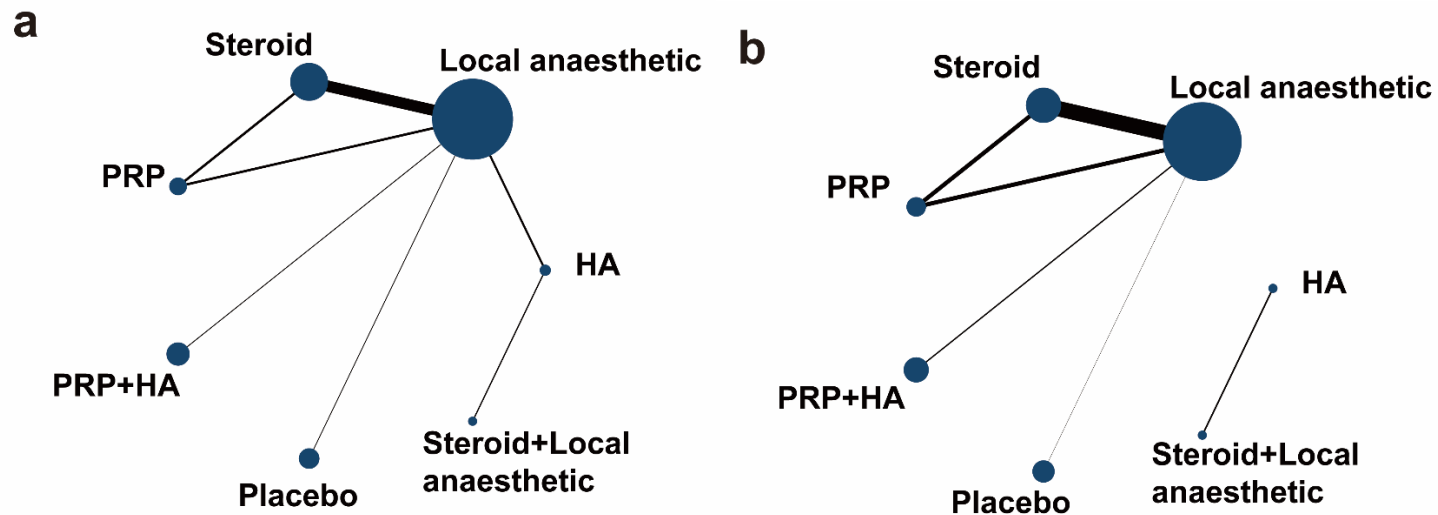# The Bone & Joint Journal

Supplementary Material

Fig a. Network diagram of a) visual analogue scale score and b) Western Ontario and McMaster Universities Osteoarthritis Index score

at six months. HA, hyaluronic acid; PRP, platelet-rich plasma.

Fig b. The quality evaluation of included studies.

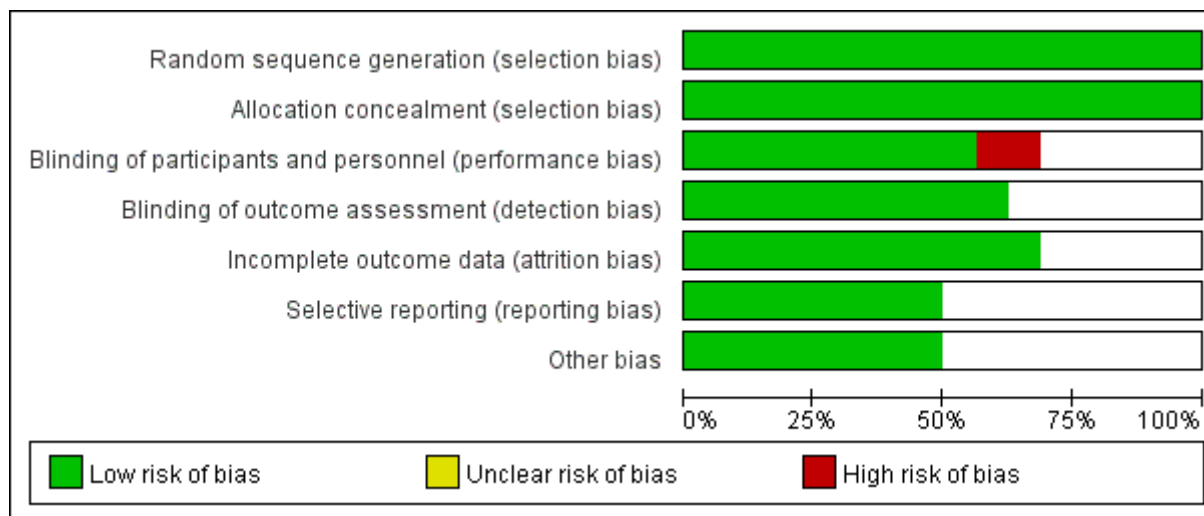|	Random sequence generation (selection bias)	Allocation concealment (selection bias)	Blinding of participants and personnel (performance bias)	Blinding of outcome assessment (detection bias)	Incomplete outcome data (attrition bias)	Selective reporting (reporting bias)	Other bias
A. I. Spitzer 2010	+	+	+	+	+	+	
A. Migliore 2009	+	+	+	+	+		
B. Kullenberg 2004	+	+					
D. Dallari 2016	+	+	+		+	+	+
E. Qvistgaard 2006	+	+	+	+	+		
F. Nouri 2022	+	+	+	+	+		+
I. Atchia 2011	+	+	+				
L. Di Sante 2016	+	+					
M. Battaglia 2013	+	+	−	+	+	+	+
M. J. Kraeutler 2021	+	+		+	+	+	+
M. M. Villanova-López 2020	+	+					
P. Richette 2009	+	+	+	+	+	+	+
R. G. Lambert 2007	+	+	+	+	+	+	+
T. Kubo 2022	+	+	+	+	+	+	+
V. Brander 2019	+	+					
Z. Paskins 2022	+	+	−	+	+	+	+

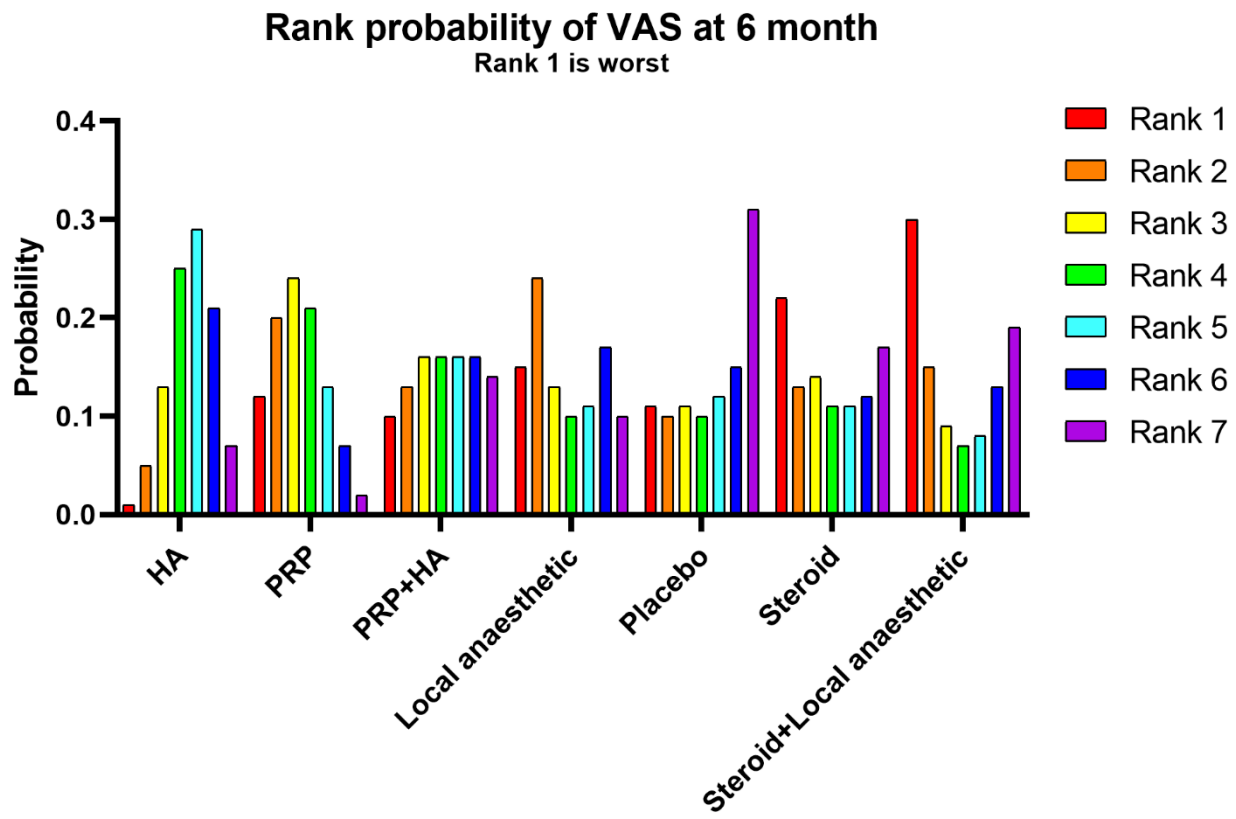**Fig c.** Summary of quality evaluation of included studies.

Fig d. Rank probability of visual analogue scale (VAS) score at six months. HA, hyaluronic acid; PRP, platelet-rich plasma.
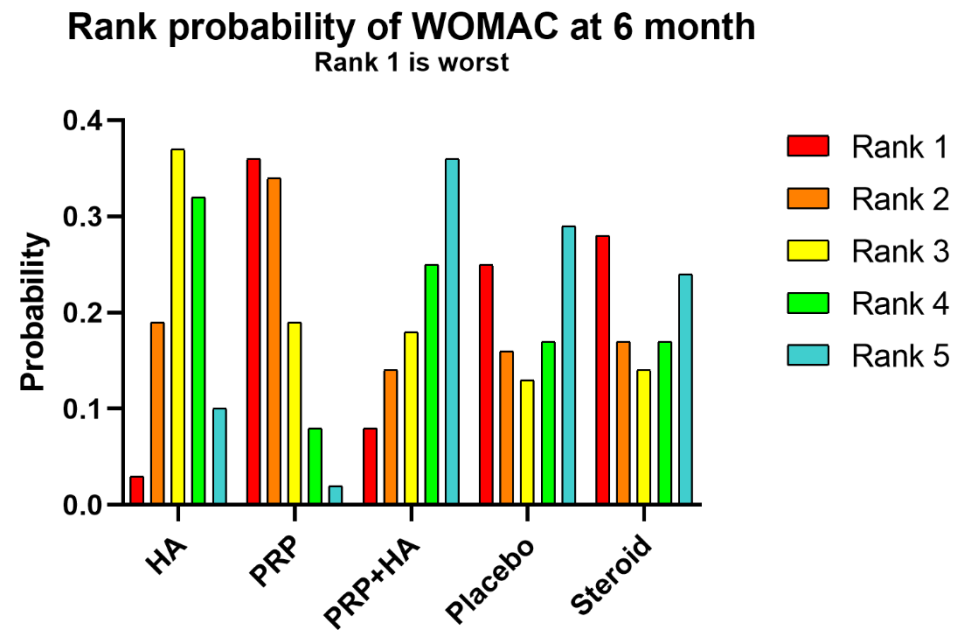
Fig e. Rank probability of part of Western Ontario and McMaster Universities Osteoarthritis Index (WOMAC) score at six months. HA, hyaluronic acid; PRP, platelet-rich plasma.

Table i. Weighted mean difference and corresponding 95% confidence intervals for visual analogue scale scores at three and six months and Western Ontario and McMaster Universities Osteoarthritis Index scores at three and six months.

Variables, WMD (95% CI)							
VAS score at 3 mths	HA	0.21 (-0.61, 1.03)	0.27 (-0.96, 1.52)	2.19 (0.39, 3.66)	-0.05 (-0.91, 0.82)	-1.68 (-2.74, -0.77)	1.76 (-0.92, 4.09)
	-0.21 (-1.03, 0.61)	PRP	0.05 (-1.17, 1.33)	1.99 (-0.04, 3.66)	-0.26 (-1.47, 0.95)	-1.90 (-3.26, -0.65)	1.55 (-1.29, 4.00)
	-0.27 (-1.52, 0.96)	-0.05 (-1.33, 1.17)	PRP+HA	1.93 (-0.33, 3.79)	-0.31 (-1.85, 1.19)	-1.95 (-3.64, -0.44)	1.50 (-1.49, 4.08)
	-2.19 (-3.66, -0.39)	-1.99 (-3.66, 0.04)	-1.93 (-3.79, 0.33)	Local anaesthetic	-2.24 (-3.84, -0.30)	-3.89 (-5.27, -2.24)	-0.45 (-2.32, 1.45)
	0.05 (-0.82, 0.91)	0.26 (-0.95, 1.47)	0.31 (-1.19, 1.85)	2.24 (0.30, 3.84)	Placebo	-1.64 (-2.79, -0.62)	1.80 (-0.96, 4.23)
	1.68 (0.77, 2.74)	1.90 (0.65, 3.26)	1.95 (0.44, 3.64)	3.89 (2.24, 5.27)	1.64 (0.62, 2.79)	Steroid	3.44 (0.95, 5.78)
	-1.76 (-4.09, 0.92)	-1.55 (-4.00, 1.29)	-1.50 (-4.08, 1.49)	0.45 (-1.45, 2.32)	-1.80 (-4.23, 0.96)	-3.44 (-5.78, -0.95)	Steroid+local anaesthetic
VAS score at 6 mths	HA	0.52 (-0.73, 1.77)	0.18 (-1.92, 2.32)	0.51 (-3.05, 3.93)	-0.21 (-3.38, 2.98)	0.42 (-2.76, 3.61)	0.59 (-4.14, 5.32)
	-0.52 (-1.77, 0.73)	PRP	-0.34 (-2.45, 1.79)	-0.02 (-3.79, 3.63)	-0.72 (-4.14, 2.72)	-0.11 (-3.46, 3.36)	0.08 (-4.85, 5.03)
	-0.18 (-2.32, 1.92)	0.34 (-1.79, 2.45)	PRP+HA	0.32 (-3.77, 4.35)	-0.40 (-4.17, 3.45)	0.25 (-3.59, 4.02)	0.43 (-4.80, 5.53)
	-0.51 (-3.93, 3.05)	0.02 (-3.63, 3.79)	-0.32 (-4.35, 3.77)	Local anaesthetic	-0.72 (-5.33, 4.09)	-0.08 (-4.83, 4.72)	0.11 (-3.13, 3.38)
	0.21 (-2.98, 3.38)	0.72 (-2.72, 4.14)	0.40 (-3.45, 4.17)	0.72 (-4.09, 5.33)	Placebo	0.60 (-3.86, 5.08)	0.82 (-4.90, 6.50)
	-0.42 (-3.61, 2.76)	0.11 (-3.36, 3.46)	-0.25 (-4.02, 3.59)	0.08 (-4.72, 4.83)	-0.60 (-5.08, 3.86)	Steroid	0.19 (-5.51, 5.91)
	-0.59 (-5.32,	-0.08 (-5.03,	-0.43 (-5.53,	-0.11 (-3.38,	-0.82 (-6.50,	-0.19 (-5.91,	Steroid+local

	4.14)	4.85)	4.80)	3.13)	4.90)	5.51)	anaesthetic
WOMAC score at 3 mths	HA	2.89 (-3.28, 9.58)	-3.40 (-12.84, 6.32)	1.85 (-3.77, 7.78)	-7.87 (-14.36, -1.54)		
	-2.89 (-9.58, 3.28)	PRP	-6.33 (-15.88, 3.25)	-1.04 (-9.76, 7.58)	-10.76 (-20.43, -2.02)		
	3.40 (-6.32, 12.84)	6.33 (-3.25, 15.88)	PRP+HA	5.21 (-5.92, 16.60)	-4.35 (-16.58, 6.70)		
	-1.85 (-7.78, 3.77)	1.04 (-7.58, 9.76)	-5.21 (-16.60, 5.92)	Placebo	-9.70 (-16.87, -3.23)		
	7.87 (1.54, 14.36)	10.76 (2.02, 20.43)	4.35 (-6.70, 16.58)	9.70 (3.23, 16.87)	steroid		
WOMAC score at 6 mths	HA	5.28 (-6.75, 17.15)	-2.38 (-20.89, 15.40)	0.31 (-26.86, 27.56)	1.54 (-24.49, 27.57)		
	-5.28 (-17.15, 6.75)	PRP	-7.63 (-25.93, 10.56)	-4.92 (-35.02, 24.72)	-3.75 (-32.51, 25.61)		
	2.38 (-15.40, 20.89)	7.63 (-10.56, 25.93)	PRP+HA	3.04 (-30.68, 35.52)	4.01 (-27.59, 36.02)		
	-0.31 (-27.56, 26.86)	4.92 (-24.72, 35.02)	-3.04 (-35.52, 30.68)	Placebo	1.35 (-36.20, 39.36)		
	-1.54 (-27.57, 24.49)	3.75 (-25.61, 32.51)	-4.01 (-36.02, 27.59)	-1.35 (-39.36, 36.20)	Steroid		

HA, hyaluronic acid; PRP, platelet-rich plasma; VAS, visual analogue scale; WOMAC, Western Ontario and McMaster Universities Osteoarthritis Index.