

**Table I.** Characteristics of included studies

Number	Author	Hyaluronic acid group					Control group					Jada scores	
		n	Age, years	Male, n	Weight (kg) or BMI (kg/m <sup>2</sup> )	Methods	n	Age, years	Male, n	Weight (kg) or BMI (kg/m <sup>2</sup> )	Methods		Surgery
1	Chau 2012	16	27±6	13	70±15 kg	10 ml of sodium hyaluronate 0.5% (Viscoseal®) through an arthroscopic portal with a cannula	16	26±7	15	70±7 kg	Normal saline	Anterior cruciate ligament reconstruction	5
2	Thein 2010	28	34 (17-44)	-	-	10 ml intra-articular Viscoseal®	28	34 (17-44)	-	-	Normal saline	Meniscus tear	3
3	Westrich 2009	23	59.3 (42-81)	-	29.0 (19.8-38.2) kg/m <sup>2</sup>	First intra-articular sodium hyaluronate injection immediately after surgery, 10- 14 days later, and the final injection was given 17-21 days after surgery	23	59.3 (42-81)	-	29.0 (19.8-38.2) kg/m <sup>2</sup>	No injection	Symptomatic meniscus tear	4
4	Heybeli 2008	33	56.7	12	-	Three intra-articular injections of 2 ml HA administered during 3 consecutive weeks starting 3-weeks postoperatively	34	54.4	9	-	No injection	Arthroscopic debridement for knee osteoarthritis	4
5	Atay 2008	14	53.4±5.0	-	31.7±5.1 kg/m <sup>2</sup>	Five intra-articular injections of 2 ml sodium hyaluronate	15	53.1±6.9	-	27.5±5.3 kg/m <sup>2</sup>	No injection	Arthroscopic debridement for knee osteoarthritis	4
6	Hempfling 2007	40	60.9±8.1	-	79.6±14.7 kg	Intra-articular instillation of 10 ml of the synovial fluid substitute (0.5% sodium hyaluronate)	40	60.9±8.1	-	79.6±14.7 kg	No injection	Arthroscopic knee joint lavage, or in combination with cartilage debridement	3

BMI: body mass index; HA: hyaluronic acid.