

Section / Topic	Item number	Checklist item	Reported on Page No
Study design	1	Study conducted in accordance with CONSORT (RCT), STROBE (cohort, case-control or cross-sectional) or PRISMA (meta-analysis) guidelines	
	2	Relevant institutional and ethical approval	
Recipient details	3	Recipient demographics (including age and gender)	
	4	Comorbidities (including underlying diabetes, blood dyscrasia, inflammatory conditions, pre-existing joint pathology and smoking status)	
	5	Current anti-inflammatory or anti-platelet medications	
Injury details	6	Diagnosis (including relevant grading system and chronicity)	
	7	Results of any pre-operative imaging	
	8	Previous surgical or biological treatments for current injury	
Intervention	9	Intervention described sufficiently to enable replication	
	10	Operative findings	
Whole blood processing	11	Whole blood storage environment (including concentration and volume of anticoagulant, temperature and light exposure)	
Whole blood characteristics	12	Whole blood platelet, differential leukocyte and red cell analysis of all samples	
PRP processing	13	PRP processing described sufficiently to enable replication (including commercial kit details and Spin protocol)	
	14	Platelet recovery rate of protocol	
	15	PRP storage temperature and light exposure	
	16	Time between blood drawing, PRP processing, activation and delivery	
PRP characteristics	17	PRP format (for example liquid, gel, membrane)	
	18	PRP platelet, differential leukocyte and red cell analysis of all samples	
Activation	19	Activation described sufficiently to enable replication (including volume and concentration of activating agent)	
Delivery	20	Point of delivery (intraoperative and/or postoperative or serial)	
	21	PRP delivery described sufficiently to enable replication (including volume delivered, concomitant use of stem cells or cytokines, and details of carrier or scaffold)	
Post-operative care	22	Rehabilitation protocol sufficiently described to enable replication (including immobilization and physical therapy)	
Outcome	23	Outcome assessments include functional outcomes and recording of complications (including infection and need for further surgery). If performed radiographic outcomes, physical examination findings, return to activities and satisfaction.	