


Table 1: Participant timeline

	Timeline										
		Enrolment		Start	Weeks						
Person in charge	Time point	-Y*	-X*	0	4	8	12	16	26	46-48	52 / close-out
Physician	Diagnosis	x									
Physician	Treatment plan	x									
Study nurse / part of the research team	Consent for the trial	x									
Physician	Surgery		x								
Physiotherapist	Physiotherapy			x	x		x				x
Study nurse / part of the research team	Administration of the Oura ring	x								x	
Study nurse / part of the research team	Retrieval of the Oura ring						x				x
Physiotherapist	Monitoring of Oura ring's variables										
Physician	Xray of operated limb	x					x				
Stored in	Result variables										
REDCap / present & link via email	Oxford Knee Score (OKS)	x					x		x		x
REDCap / present & link via email	Self-reported quality of life (EQ-5D-5L)	x					x		x		x
REDCap / present & link via email	Forgotten Joint Score 12 (FJS-12)	x					x		x		x
REDCap / present & link via email	Visual analog scale (VAS)	x					x		x		x
REDCap / present	Connor-Davidson resilience scale	x									
REDCap / present	Life optimism questionnaire	x									
REDCap / present	Active ROM	x					x				x
REDCap / present	Passive ROM	x					x				x
REDCap / present	UCLA activity level	x									
REDCap / present	Weight and body mass index	x									x
* = Enrolment time varies between weeks and months, depending on the time of preoperative visit.											