Area	#	Independent Variable	Potentially Modifiable Variable	Scale
CONCURRENT INJURIES and TREATMENT	1	Meniscal tears and treatment	Yes (Treatment)	 Normal Partial tear: no treatment, repair, excision Complete tear: no treatment, repair, excision
	2	Articular cartilage injuries and treatment	Yes (Treatment)	 Normal / Grade I Grades II & III: no treatment Grades II & III: treatment Grade IV
	3	Partial collateral ligament injury	No (Treatment)	 Normal or Grade I Grade II – MCL Grade II – LCL
BEHAVIORAL	4	Activity level (t ₀)	No (Activity)	Integer (1-16 Marx scale)
ALIGNMENT	5	Clinical knee alignment	Yes (Osteotomy)	NormalValgusVarus
DEMOGRAPHICS	6	Gender	No	MaleFemale
	7	Age	No	Integer
	8	BMI	Yes (Weight)	Continuous variable

Appendix 1: Independent Variables Common to all ACL Reconstructions