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Implications of a polymer meniscus implant on knee tribology

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ABBREVIATIONS

AFM:	atomic force microscope
AR:	aspect ratio
BSA:	bovine serum albumin
COF:	coefficient of friction
ECM:	extra-cellular matrix
GAG:	glycosaminoglycans
HA:	hyaluronan
IFPW:	interstitial fluid pressurization and weeping
PBS:	phosphate-buffered saline
PCU:	polycarbonate urethane
PDMS:	polydimethylsiloxane
POPC:	1-palmitoyl-2-oleoyl-sn-glycero-3-phosphocholine
PRG4:	proteoglycan 4
PTFE:	polytetrafluoroethylene
QCM-D:	quartz crystal microbalance with dissipation
SAM:	self-assembled monolayer
SAPL:	surface-active phospholipid
SZ:	superficial zone
SZP:	superficial zone protein
THF:	tetrahydrofuran
UHMWPE:	ultrahigh molecular weight polyethylene
UMT:	universal mechanical tester
M_w :	molecular weight
P_c :	contact pressure
mPCU-c:	modified polycarbonate urethane with C18 chains
mPCU-f:	modified polycarbonate urethane with PTFE groups
mPCU-s:	modified polycarbonate urethane with PDMS groups
t-HA 25:	25% thiolated hyaluronan
t-HA 5:	5% thiolated hyaluronan
t-HA:	thiolated hyaluronan

