A)

	Female						Male					
	Cartilage damage	Dislocation	Osteophyte number	Synovial thickness	Synovial cellularity	Total Time course	Cartilage damage	Dislocation	Osteophyte number	Synovial thickness	Synovial cellularity	
Pearson Correlation	,922**	,700*	0,306	0,149	0,453	Incapacitance	0,376	0,356	0,485	0,114	0,504	Pearson Correlation
Sig. (2-tailed)	0,000	0,024	0,390	0,681	0,189		0,285	0,313	0,155	0,754	0,137	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,702*	,934**	0,543	0,551	0,255	PAM	0,015	-0,249	0,225	0,001	0,256	Pearson Correlation
Sig. (2-tailed)	0,024	0,000	0,104	0,099	0,478		0,967	0,488	0,533	0,998	0,474	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	0,612	0,078	0,334	0,383	-0,120	Max Contact Max Intensity	,748*	0,631	,645*	0,502	0,588	Pearson Correlation
Sig. (2-tailed)	0,060	0,830	0,346	0,275	0,741		0,013	0,051	0,044	0,139	0,074	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,662*	,774**	0,579	0,391	0,482	Print Area	0,376	0,417	0,553	0,528	0,328	Pearson Correlation
Sig. (2-tailed)	0,037	0,009	0,079	0,264	0,158		0,284	0,231	0,097	0,117	0,355	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,906**	0,582	,665*	0,553	0,378	Duty Cycle	0,194	0,270	0,151	0,271	0,375	Pearson Correlation
Sig. (2-tailed)	0,000	0,078	0,036	0,097	0,282		0,590	0,451	0,678	0,449	0,285	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,794**	0,433	,680*	0,531	0,434	Stand time	-0,035	-0,071	-0,085	-0,048	0,055	Pearson Correlation
Sig. (2-tailed)	0,006	0,211	0,030	0,115	0,210		0,923	0,846	0,815	0,896	0,880	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,798**	,781**	,642*	0,474	0,463	Swing time	0,545	0,555	0,475	,676*	0,604	Pearson Correlation
Sig. (2-tailed)	0,006	0,008	0,045	0,166	0,177		0,103	0,096	0,166	0,032	0,065	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	0,099	-0,155	0,341	0,164	0,303	Single Stance	-0,044	-0,111	0,466	0,533	0,182	Pearson Correlation
Sig. (2-tailed)	0,786	0,668	0,335	0,650	0,395		0,904	0,761	0,174	0,113	0,615	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,815**	,934**	,658*	,710*	0,372	Initial Dual Stance	0,393	0,358	0,238	0,422	0,502	Pearson Correlation
Sig. (2-tailed)	0,004	0,000	0,038	0,021	0,290		0,261	0,310	0,508	0,225	0,139	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	-0,302	-0,373	-0,128	-0,281	-0,548	Terminal Dual Stance	0,299	0,253	0,376	0,260	0,191	Pearson Correlation
Sig. (2-tailed)	0,397	0,288	0,724	0,432	0,101		0,401	0,480	0,284	0,468	0,597	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N

B)

	Female						Male					
	Cartilage damage	Dislocation	Osteophyte number	Synovial thickness	Synovial cellularity	Early phase	Cartilage damage	Dislocation	Osteophyte number	Synovial thickness	Synovial cellularity	
Pearson Correlation	,716*	,635*	0,402	-0,118	0,533	**Incapacitance Early**	0,383	0,376	0,488	0,068	0,513	Pearson Correlation
Sig. (2-tailed)	0,020	0,048	0,249	0,745	0,113		0,274	0,285	0,153	0,853	0,129	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	0,616	,850**	0,579	0,510	0,301	**PAM Early**	0,128	-0,006	0,063	-0,132	0,031	Pearson Correlation
Sig. (2-tailed)	0,058	0,002	0,079	0,132	0,398		0,724	0,987	0,862	0,716	0,932	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,700*	0,149	0,420	0,456	-0,035	**Max Contact Max Intensity Early**	0,630	0,594	0,528	0,602	0,540	Pearson Correlation
Sig. (2-tailed)	0,024	0,681	0,227	0,186	0,925		0,051	0,070	0,116	0,066	0,107	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,672*	,777**	0,573	0,370	0,472	**Print Area Early**	0,479	0,581	0,618	0,626	0,422	Pearson Correlation
Sig. (2-tailed)	0,033	0,008	0,084	0,292	0,168		0,162	0,078	0,057	0,053	0,224	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,882**	0,602	,677*	0,572	0,396	**Duty Cycle Early**	0,462	0,566	0,386	0,567	0,619	Pearson Correlation
Sig. (2-tailed)	0,001	0,066	0,031	0,084	0,257		0,179	0,088	0,270	0,088	0,057	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,756*	0,393	,652*	0,550	0,442	**Stand time Early**	0,098	0,078	-0,019	0,013	0,229	Pearson Correlation
Sig. (2-tailed)	0,011	0,262	0,041	0,100	0,201		0,789	0,831	0,959	0,972	0,524	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,828**	,792**	0,627	0,507	0,514	**Swing time Early**	0,559	0,548	0,495	,688*	0,589	Pearson Correlation
Sig. (2-tailed)	0,003	0,006	0,052	0,135	0,128		0,093	0,101	0,145	0,028	0,073	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	0,130	0,088	0,448	0,265	0,299	**Single Stance Early**	0,155	0,181	0,612	,735*	0,343	Pearson Correlation
Sig. (2-tailed)	0,721	0,808	0,194	0,459	0,401		0,669	0,616	0,060	0,015	0,332	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,720*	,798**	0,604	,717*	0,363	**Initial Dual Stance Early**	0,416	0,353	0,254	0,435	0,514	Pearson Correlation
Sig. (2-tailed)	0,019	0,006	0,064	0,020	0,302		0,232	0,318	0,480	0,209	0,128	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	-0,132	-0,252	0,123	0,068	-0,143	**Terminal Dual Stance Early**	0,245	0,279	0,614	0,568	0,209	Pearson Correlation
Sig. (2-tailed)	0,717	0,482	0,736	0,851	0,693		0,495	0,435	0,059	0,087	0,563	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N

C)

	Female						Male					
	Cartilage damage	Dislocation	Osteophyte number	Synovial thickness	Synovial cellularity	Late phase	Cartilage damage	Dislocation	Osteophyte number	Synovial thickness	Synovial cellularity	
Pearson Correlation	,952**	0,600	0,109	0,393	0,175	**Incapacitance Late**	0,013	-0,271	0,007	,769**	0,014	Pearson Correlation
Sig. (2-tailed)	0,000	0,067	0,764	0,262	0,628		0,971	0,449	0,984	0,009	0,970	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,731*	,635*	0,234	0,378	-0,039	**PAM Late**	-0,118	-0,415	0,203	0,017	0,234	Pearson Correlation
Sig. (2-tailed)	0,016	0,049	0,514	0,281	0,915		0,745	0,233	0,574	0,963	0,515	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	0,443	-0,039	0,182	0,250	-0,247	**Max Contact Max Intensity Late**	0,195	0,033	0,156	-0,246	0,018	Pearson Correlation
Sig. (2-tailed)	0,200	0,915	0,614	0,486	0,491		0,589	0,928	0,668	0,493	0,961	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	.d	.d	.d	.d	.d	**Print Area Late**	-0,313	-0,475	-0,267	-0,364	-0,358	Pearson Correlation
Sig. (2-tailed)							0,379	0,166	0,456	0,301	0,310	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,829**	0,368	0,598	0,505	0,314	**Duty Cycle Late**	-0,039	0,019	-0,055	-0,012	0,145	Pearson Correlation
Sig. (2-tailed)	0,003	0,295	0,068	0,136	0,377		0,915	0,959	0,879	0,973	0,689	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,759*	0,376	,647*	0,5212	0,348	**Stand time Late**	-0,106	-0,145	-0,127	-0,106	-0,023	Pearson Correlation
Sig. (2-tailed)	0,011	0,285	0,043	0,122	0,324		0,771	0,690	0,726	0,771	0,951	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	0,312	0,340	0,485	0,346	0,259	**Swing time Late**	-0,534	-0,569	-,680*	-0,540	-,692*	Pearson Correlation
Sig. (2-tailed)	0,380	0,336	0,156	0,328	0,469		0,112	0,086	0,030	0,107	0,027	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	0,176	-0,393	0,084	0,011	0,193	**Single Stance Late**	-0,341	-0,537	0,069	0,024	-0,097	Pearson Correlation
Sig. (2-tailed)	0,627	0,261	0,819	0,976	0,594		0,334	0,109	0,851	0,948	0,790	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	,841**	,929**	,654*	,697*	0,382	**Initial Dual Stance Late**	0,393	0,357	0,239	0,419	0,497	Pearson Correlation
Sig. (2-tailed)	0,002	0,000	0,040	0,025	0,276		0,262	0,312	0,506	0,229	0,144	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N
Pearson Correlation	-0,313	-0,256	-0,401	-0,578	-,695*	**Terminal Dual Stance Late**	0,019	-0,052	-0,254	-0,271	-0,125	Pearson Correlation
Sig. (2-tailed)	0,378	0,476	0,250	0,080	0,026		0,959	0,888	0,478	0,448	0,730	Sig. (2-tailed)
N	10	10	10	10	10		10	10	10	10	10	N