Appendix 1

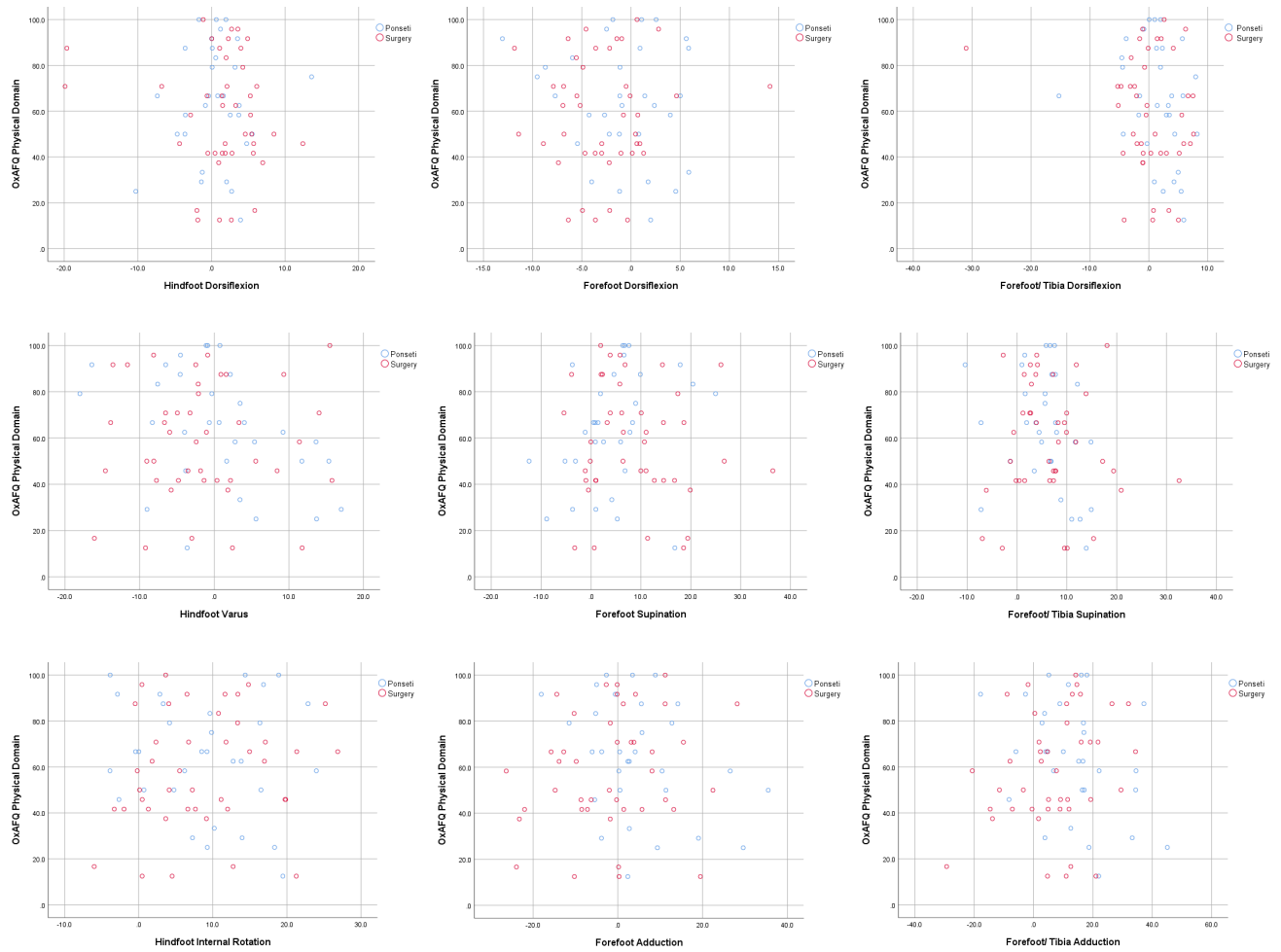**Fig. 1**

Scatterplots of the average position of the forefoot and hindfoot throughout the gait cycle in the sagittal, coronal and transverse planes

Appendix 2

		Foot Variable Scores							Range						Plantar pressure						
		FPS	HF sag	FF sag	HF cor	FF cor	HF trans	FF trans	HF sag	FF sag	HF cor	FF cor	HF trans	FF trans	med HF	lat HF	MF	med FF	lat FF	total PP	FTI
DSI-satisfaction	r=	-0.036	-0.218	0.053	-0.142	0.118	-0.145	0.018	-0.098	0.075	-0.107	0.261	0.024	.449*	0.217	-0.157	-0.337	.488*	-0.206	0.263	0.230
	p=	0.866	0.295	0.800	0.500	0.575	0.490	0.932	0.642	0.722	0.611	0.207	0.908	0.024	0.309	0.463	0.108	0.016	0.335	0.215	0.291
	N	25	25	25	25	25	25	25	25	25	25	25	25	25	24	24	24	24	24	24	23
DSI-function	r=	0.009	-0.212	0.168	-0.075	0.016	-0.205	0.178	-0.339	-0.010	-0.111	0.083	-0.081	0.170	0.042	-0.061	-0.082	0.114	-0.169	0.063	0.048
	p=	0.965	0.310	0.422	0.722	0.939	0.326	0.395	0.098	0.963	0.596	0.693	0.702	0.417	0.847	0.777	0.702	0.595	0.431	0.771	0.828
	N	25	25	25	25	25	25	25	25	25	25	25	25	25	24	24	24	24	24	24	23
DSI-total score	r=	-0.012	-0.255	0.139	-0.124	0.072	-0.212	0.127	-0.275	0.033	-0.130	0.192	-0.041	0.348	0.137	-0.120	-0.225	0.323	-0.216	0.175	0.148
	p=	0.953	0.219	0.507	0.555	0.731	0.310	0.545	0.183	0.876	0.536	0.358	0.847	0.088	0.522	0.576	0.290	0.124	0.312	0.414	0.501
	N	25	25	25	25	25	25	25	25	25	25	25	25	25	24	24	24	24	24	24	23
PedsQL psychsocial	r=	-0.055	-0.052	-0.018	0.088	-0.186	-0.358	0.283	-0.252	0.198	-.515*	0.295	0.064	0.380	0.283	0.270	0.058	0.342	-0.039	0.281	0.344
	p=	0.813	0.824	0.937	0.704	0.420	0.111	0.215	0.270	0.391	0.017	0.194	0.783	0.090	0.227	0.249	0.809	0.140	0.870	0.229	0.149
	N	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	19
PedsQL physhealth	r=	-0.227	-.446*	0.073	-0.280	-0.169	-0.336	0.121	-0.233	0.088	-.430*	0.123	-0.203	0.299	0.349	0.261	-0.279	0.245	-0.412	-0.004	0.103
	p=	0.309	0.037	0.745	0.206	0.451	0.127	0.592	0.296	0.697	0.046	0.584	0.366	0.176	0.120	0.253	0.220	0.285	0.064	0.987	0.665
	N	22	22	22	22	22	22	22	22	22	22	22	22	22	21	21	21	21	21	21	20
PedsQL total score	r=	-0.145	-0.174	-0.001	-0.045	-0.239	-0.414	0.252	-0.288	0.204	-.543*	0.272	-0.018	0.392	0.330	0.297	-0.028	0.357	-0.153	0.231	0.317
	p=	0.530	0.451	0.998	0.848	0.297	0.062	0.270	0.205	0.374	0.011	0.233	0.937	0.079	0.156	0.204	0.906	0.122	0.519	0.327	0.187
	N	21	21	21	21	21	21	21	21	21	21	21	21	21	20	20	20	20	20	20	19
OxAFQ-emotional	r=	-0.162	-0.272	-0.101	-0.209	-0.204	-0.156	0.062	0.042	0.067	-0.203	0.287	0.046	0.250	0.339	0.368	-0.173	0.211	-0.115	0.026	0.052
	p=	0.384	0.139	0.589	0.260	0.272	0.401	0.738	0.822	0.719	0.274	0.118	0.806	0.175	0.078	0.054	0.377	0.280	0.561	0.892	0.788
	N	31	31	31	31	31	31	31	31	31	31	31	31	31	28	28	28	28	28	30	29
OxAFQ-sch+play	r=	-0.173	-0.331	-0.008	-0.271	-0.117	-0.314	0.152	-0.216	0.006	-0.286	0.107	-0.191	0.202	0.345	.379*	-0.237	0.156	-0.367	-0.050	-0.032
	p=	0.353	0.069	0.968	0.141	0.531	0.085	0.414	0.243	0.974	0.118	0.566	0.304	0.276	0.072	0.046	0.226	0.427	0.055	0.792	0.869
	N	31	31	31	31	31	31	31	31	31	31	31	31	31	28	28	28	28	28	30	29
OxAFQ-physical	r=	-0.255	-0.321	0.045	-0.345	-0.254	-0.173	-0.096	-0.086	0.201	-0.017	0.083	-0.020	.403*	.492**	.402*	-.446*	0.253	-.487*	0.008	-0.052
	p=	0.166	0.078	0.809	0.058	0.168	0.353	0.607	0.646	0.278	0.928	0.656	0.915	0.024	0.008	0.034	0.017	0.194	0.009	0.966	0.790
	N	31	31	31	31	31	31	31	31	31	31	31	31	31	28	28	28	28	28	30	29

Table 6: Correlations of the gait data and subjective outcome measures are presented for the Ponseti group

		FPS	Foot Variable Scores						Range						Plantar pressure						
			HF sag	FF sag	HF cor	FF cor	HF trans	FF trans	HF sag	FF sag	HF cor	FF cor	HF trans	FF trans	med HF	lat HF	MF	med FF	lat FF	total PP	FTI
DSI-satisfaction	r=	0.080	-0.049	-0.031	0.370	0.058	-0.210	-0.082	0.459	-0.330	-.685**	0.132	0.449	0.366	-0.553	-0.526	0.159	-.685*	-0.308	-0.571	-0.162
	p=	0.795	0.873	0.921	0.214	0.850	0.491	0.791	0.115	0.271	0.010	0.667	0.123	0.218	0.097	0.119	0.661	0.029	0.387	0.067	0.654
	N	13	13	13	13	13	13	13	13	13	13	13	13	13	10	10	10	10	10	11	10
DSI-function	r=	0.394	-0.018	0.115	.754**	-0.152	0.025	0.369	-0.351	-0.175	-0.398	0.460	0.242	0.221	-0.489	-0.137	0.564	0.280	0.378	0.284	0.009
	p=	0.183	0.955	0.707	0.003	0.620	0.935	0.215	0.240	0.567	0.178	0.113	0.426	0.469	0.152	0.707	0.090	0.434	0.282	0.398	0.981
	N	13	13	13	13	13	13	13	13	13	13	13	13	13	10	10	10	10	10	11	10
DSI-total score	r=	0.356	-0.034	0.083	.768**	-0.102	-0.063	0.271	-0.107	-0.275	-.600*	0.432	0.378	0.327	-0.614	-0.293	0.552	0.025	0.235	0.007	-0.057
	p=	0.232	0.912	0.788	0.002	0.740	0.839	0.370	0.729	0.362	0.030	0.141	0.203	0.275	0.059	0.412	0.098	0.945	0.514	0.985	0.876
	N	13	13	13	13	13	13	13	13	13	13	13	13	13	10	10	10	10	10	11	10
PedsQL psychsocial	r=	0.478	-0.016	-0.014	0.389	-0.073	0.265	0.513	-0.172	-0.158	-0.144	0.351	0.032	0.331	-0.133	0.173	0.411	-0.023	0.225	0.105	-0.174
	p=	0.098	0.960	0.964	0.189	0.813	0.381	0.073	0.575	0.605	0.639	0.240	0.918	0.270	0.714	0.633	0.237	0.950	0.532	0.758	0.631
	N	13	13	13	13	13	13	13	13	13	13	13	13	13	10	10	10	10	10	11	10
PedsQL physhealth	r=	0.329	0.036	0.066	0.530	-0.268	-0.023	0.411	-0.302	-0.250	-0.221	0.391	-0.044	0.334	-0.362	0.021	0.556	0.241	0.444	0.231	-0.120
	p=	0.272	0.907	0.830	0.062	0.376	0.942	0.163	0.317	0.411	0.468	0.186	0.886	0.265	0.304	0.953	0.095	0.502	0.199	0.494	0.741
	N	13	13	13	13	13	13	13	13	13	13	13	13	13	10	10	10	10	10	11	10
PedsQL total score	r=	0.432	0.007	0.021	0.469	-0.163	0.148	0.490	-0.238	-0.206	-0.185	0.384	-0.001	0.346	-0.246	0.108	0.495	0.101	0.337	0.169	-0.155
	p=	0.140	0.983	0.945	0.106	0.594	0.630	0.089	0.434	0.499	0.546	0.195	0.998	0.247	0.493	0.767	0.145	0.782	0.341	0.619	0.669
	N	13	13	13	13	13	13	13	13	13	13	13	13	13	10	10	10	10	10	11	10
OxAFQ-emotional	r=	-0.058	-0.180	-0.201	-0.175	-0.271	.344*	-0.212	-0.216	-0.150	-0.011	-0.036	-0.069	-0.070	0.036	0.077	-0.026	0.035	-0.004	0.146	-0.099
	p=	0.720	0.260	0.207	0.274	0.086	0.027	0.183	0.176	0.350	0.948	0.822	0.669	0.664	0.852	0.686	0.893	0.855	0.984	0.375	0.560
	N	41	41	41	41	41	41	41	41	41	41	41	41	41	30	30	30	30	30	39	37
OxAFQ-sch+play	r=	-0.046	-0.061	-0.049	-0.087	-0.142	0.168	-0.080	-.316*	-0.236	0.155	.382*	-0.008	0.154	0.129	0.262	-0.052	0.114	0.195	0.193	-0.136
	p=	0.777	0.703	0.762	0.590	0.374	0.295	0.617	0.044	0.138	0.334	0.014	0.961	0.336	0.499	0.162	0.786	0.547	0.302	0.240	0.423
	N	41	41	41	41	41	41	41	41	41	41	41	41	41	30	30	30	30	30	39	37
OxAFQ-physical	r=	-0.074	-0.037	-0.104	-0.069	-.335*	0.264	-0.264	-0.178	-.348*	0.112	0.154	0.079	0.188	-0.158	-0.116	0.038	-0.085	0.232	0.042	-0.312
	p=	0.640	0.814	0.514	0.663	0.030	0.092	0.091	0.259	0.024	0.479	0.331	0.621	0.234	0.397	0.535	0.840	0.648	0.210	0.796	0.057
	N	42	42	42	42	42	42	42	42	42	42	42	42	42	31	31	31	31	31	40	38

Table 7: Correlations of the gait data and subjective outcome measures for the surgery group

		FPS	Foot Variable Scores						Range						Plantar pressure						
			HF sag	FF sag	HF cor	FF cor	HF trans	FF trans	HF sag	FF sag	HF cor	FF cor	HF trans	FF trans	med HF	lat HF	MF	med FF	lat FF	total PP	FTI
DSI-satisfaction	r=	-0.049	-0.222	0.045	0.041	0.047	-0.201	-0.037	0.115	0.064	-0.147	0.203	-0.005	.421**	-0.037	-0.247	-0.282	0.069	-0.283	-0.113	0.051
	p=	0.771	0.181	0.789	0.807	0.778	0.227	0.828	0.492	0.704	0.380	0.221	0.976	0.008	0.835	0.160	0.107	0.698	0.104	0.520	0.777
	N	38	38	38	38	38	38	38	38	38	38	38	38	38	34	34	34	34	34	35	33
DSI-function	r=	0.137	-0.150	0.152	0.265	-0.069	-0.137	0.231	-.325*	-0.022	-0.164	0.219	-0.026	0.199	-0.227	-0.096	0.089	0.159	0.025	0.072	-0.002
	p=	0.413	0.367	0.362	0.108	0.683	0.411	0.162	0.046	0.894	0.324	0.187	0.876	0.232	0.196	0.588	0.615	0.370	0.886	0.680	0.992
	N	38	38	38	38	38	38	38	38	38	38	38	38	38	34	34	34	34	34	35	33
DSI-total score	r=	0.072	-0.215	0.129	0.207	-0.025	-0.196	0.145	-0.173	0.016	-0.188	0.254	-0.021	.347*	-0.183	-0.184	-0.065	0.148	-0.112	-0.003	0.023
	p=	0.666	0.194	0.439	0.213	0.882	0.239	0.385	0.300	0.926	0.258	0.123	0.901	0.033	0.299	0.297	0.716	0.404	0.528	0.987	0.898
	N	38	38	38	38	38	38	38	38	38	38	38	38	38	34	34	34	34	34	35	33
PedsQL psychsocial	r=	0.142	0.014	-0.025	0.163	-0.090	-0.137	.356*	-0.207	0.045	-.428*	0.314	0.122	0.336	0.131	0.235	0.148	0.250	0.100	0.289	0.267
	p=	0.424	0.936	0.886	0.356	0.611	0.439	0.039	0.239	0.802	0.012	0.070	0.490	0.052	0.492	0.211	0.436	0.182	0.599	0.114	0.162
	N	38	34	34	34	34	34	34	34	34	34	34	34	34	30	30	30	30	30	31	29
Peds QL physhealth	r=	0.001	-0.199	0.072	0.064	-0.209	-0.213	0.227	-0.265	-0.023	-0.313	0.227	-0.146	0.315	-0.008	0.153	-0.035	0.221	-0.057	0.050	0.012
	p=	0.997	0.251	0.681	0.714	0.227	0.219	0.190	0.124	0.896	0.068	0.189	0.403	0.065	0.967	0.412	0.850	0.232	0.763	0.784	0.950
	N	35	35	35	35	35	35	35	35	35	35	35	35	35	31	31	31	31	31	32	30
PedsQL total score	r=	0.093	-0.053	0.000	0.133	-0.165	-0.191	.342*	-0.258	0.035	-.431*	0.316	0.039	.360*	0.090	0.231	0.114	0.274	0.065	0.245	0.214
	p=	0.599	0.764	1.000	0.454	0.351	0.280	0.048	0.140	0.845	0.011	0.069	0.829	0.036	0.635	0.219	0.548	0.143	0.735	0.185	0.265
	N	34	34	34	34	34	34	34	34	34	34	34	34	34	30	30	30	30	30	31	29
OxAFQ-emotional	r=	-0.151	-0.231	-0.126	-0.151	-.289*	0.103	-0.132	-0.062	-0.042	-0.029	0.044	-0.073	0.046	0.107	0.174	-0.130	0.045	-0.091	0.005	-0.122
	p=	0.206	0.051	0.291	0.206	0.014	0.391	0.267	0.607	0.723	0.809	0.712	0.541	0.700	0.425	0.191	0.332	0.736	0.496	0.969	0.328
	N	72	72	72	72	72	72	72	72	72	72	72	72	72	58	58	58	58	58	69	66
OxAFQ-sch+play	r=	-0.116	-0.184	-0.025	-0.167	-0.135	-0.066	0.025	-.259*	-0.112	-0.054	.253*	-0.101	0.173	0.219	.315*	-0.157	0.130	-0.057	0.071	-0.095
	p=	0.332	0.121	0.837	0.160	0.260	0.580	0.838	0.028	0.350	0.655	0.032	0.399	0.146	0.099	0.016	0.238	0.330	0.673	0.560	0.448
	N	72	72	72	72	72	72	72	72	72	72	72	72	72	58	58	58	58	58	69	66
OxAFQ-physical	r=	-0.177	-0.160	-0.024	-0.172	-.317**	0.063	-0.205	-0.118	-0.090	0.079	0.108	0.011	.270*	0.073	0.104	-0.235	0.030	-0.089	-0.016	-0.238
	p=	0.133	0.176	0.842	0.146	0.006	0.599	0.082	0.321	0.447	0.505	0.361	0.925	0.021	0.581	0.432	0.074	0.819	0.501	0.896	0.052
	N	73	73	73	73	73	73	73	73	73	73	73	73	73	59	59	59	59	59	70	67

Table 8: Correlations of the gait data and subjective outcome measures for the combined clubfoot group