

PatientID	1	2	3	4	5	6	7	8	9
Gender	M	M	M	M	F	F	M	M	M
Age	15	16	15	17	13	14	14	17	14
FMS (50m) during protocol	2	2	5	3	3--5	3	3	4	3
GMFCS preoperative	3	3	1	1	1	2	2	1	1
Surgery									
Right Bony Hip Surgery	0	1	0	0	1	0	1	1	0
Left Bony Hip Surgery	0	1	1	0	1	1	1	1	1
Right Muscle Hip Surgery	1	0	1	0	1	0	0	0	0
Left Muscle Hip Surgery	1	0	1	0	1	1	0	0	0
Right Knee/Thigh	0	0	0	0	0	0	0	0	0
Left Knee/Thigh	0	0	0	0	0	0	0	0	0
Right Rectus Femoris Surgery	0	1	0	1	1	1	0	1	0
Left Rectus Femoris Surgery	0	1	0	1	1	1	0	0	1
Right Hamstring Lengthening	0	0	0	1	1	1	0	0	1
Left Hamstring Lengthening	0	0	0	1	1	1	0	0	1
Right Patella Lowering	0	1	0	1	0	0	0	1	1
Left Patella Lowering	0	1	0	1	0	0	0	1	1
Right Distal Femoral Extension Osteotomy	1	1	0	0	0	0	0	0	0
Left Distal Femoral Extension Osteotomy	1	1	0	0	0	0	0	0	1
Right Leg Bony Shank Surgery	0	1	0	0	0	0	0	1	0
Left Leg Bony Shank Surgery	0	1	0	0	0	0	0	0	1
Right Ankle/Foot Muscle Ankle/Foot Surgery	0	0	1	1	1	0	0	0	0
Left Ankle/Foot Muscle Ankle/Foot Surgery	0	0	1	1	1	0	0	0	0
Right Bony Foot Surgery	1	0	0	1	1	1	1	1	0
Left Bony Foot Surgery	1	0	0	1	1	1	1	0	0
Gait speed sprints (m/s) (ARRoW group)									
Week 1									
Walking speed threshold	0.355	0.996	1.360	1.192	1.004	1.179	0.648	1.008	0.923
Mean speed Session 1	0.515	1.101	1.431	1.404	1.108	1.308	0.755	1.120	0.985
Mean speed Session 2	0.614	0.977	1.428	1.344	1.193	1.320	0.874	1.183	0.904
Mean speed Session 3	0.595	1.031	1.413	1.244	1.163	1.308	0.821	1.162	0.852
Week 2									
Walking speed threshold	0.492	1.132	1.419	0.838	1.421	0.990	0.989	1.061	1.029
Mean speed Session 1	0.538	1.152	1.449	0.933	1.502	1.045	1.159	1.197	0.978
Mean speed Session 2	0.695	1.084	1.468	0.937	1.584	1.323	1.267	1.228	0.846
Mean speed Session 3	0.651	1.198	1.436	0.929	1.502	1.269	1.102	1.182	1.132
Week 3									
Walking speed threshold	0.640	1.193	1.595	0.813	1.608	1.467	1.052	0.768	1.144
Mean speed Session 1	0.594	1.304	1.711	0.996	1.649	1.530	1.228	1.101	1.195
Mean speed Session 2	0.556	1.109	1.567	1.020	1.663	1.539	1.231	1.350	1.143
Mean speed Session 3	0.521	1.004	1.583	0.912	1.634	1.513	1.190	0.977	0.874
Week 4									
Walking speed threshold	0.643	1.098	1.576	1.096	1.607	1.407	1.252	1.152	0.733
Mean speed Session 1	0.771	1.123	1.626	1.133	1.680	1.494	1.414	1.247	0.808
Mean speed Session 2	0.701	1.151	1.633	1.196	1.554	1.459	1.340	1.336	0.922
Mean speed Session 3	0.696	1.168	1.602	1.241	1.694	1.457	1.344	1.273	1.046

Mean speed ABOVE threshold

Mean speed BELLOW threshold