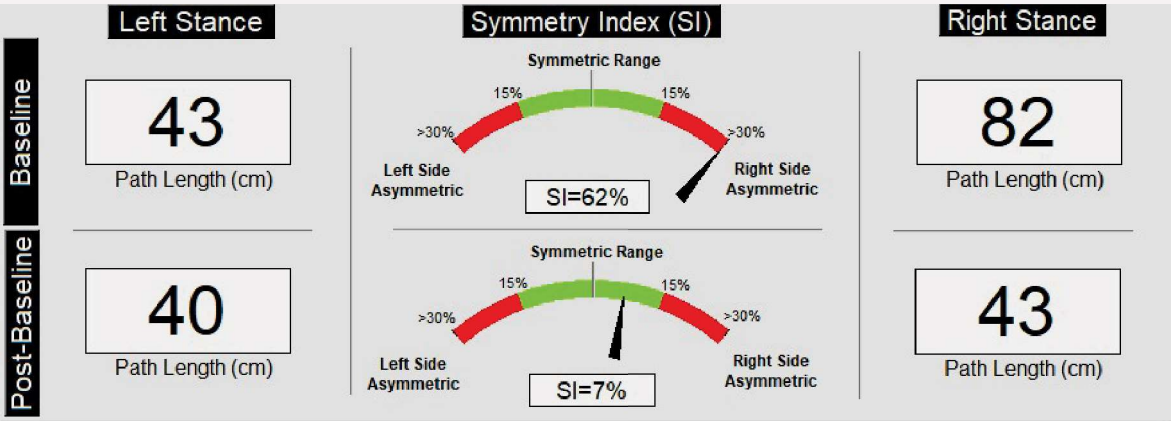
BALANCE TRACKING SYSTEMS

Single Leg Stance (Main Results)

Name: Sample Profile
ID#: XXXXXX
Facility: N/A

The BTrackS Single Leg Stance Test compares the postural sway generated by an individual when they stand on their left versus right foot. The test has two practice trials – one on the left foot and one on the right. The third and fourth trials are actual trials for the left and right foot repectively. When the test is completed, the left versus-right results are compared using a "Symmetry Index". A person is considered to be within the Symmetric Range if they show less than 15% difference between the left and right stances.



The most recent Post-Baseline Path Length results for the Left (40cm) and Right (43cm) Stance trials differed by 3cm.

This difference corresponds to a Symmetry Index (SI) of 7%, which indicates a relative symmetry between Left and Right Stance trials. Specifically, the Left and Right Stances had Path Lengths within 15% of each other when compared to the average Path Length of the two stances.

Since Baseline testing, Left and Right Stance results are 55% more symmetric.

Baseline Results

DATE	LP	RP	LA	RA	Diff	SI	SYM	SIDE	NOTE
2/1/2018 3:47:02 PM	50	96	43	82	-39	62	NO	RIGHT	Initial Visit

Post-Baseline Results

DATE	LP	RP	LA	RA	Diff	SI	SYM	SIDE	NOTE
2/8/2018 3:20:10 PM	44	78	43	75	-32	54	NO	RIGHT	Wk 1 Follow-up
3/2/2018 4:24:24 PM	44	61	40	53	-13	28	NO	RIGHT	Wk 4 Follow-up
6/2/2018 3:41:18 PM	44	42	40	43	-3	7	YES		Wk 16 Follow-up

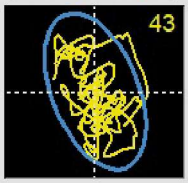
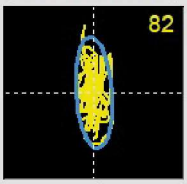
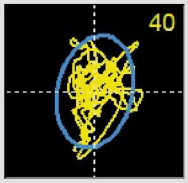
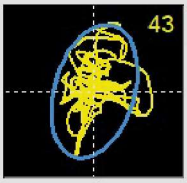
Notes:

BALANCE TRACKING SYSTEMS

Single Leg Stance (COP Details)

Name: Sample Profile
ID#: XXXXXX
Facility: N/A

Visualizations of the COP Path Length and 95% Ellipse for Baseline and most recent Post-Baseline trials are shown below. The center of each image, where the dotted lines intersect, represents the average COP position. In the tables, additional COP metrics beyond path length are provided.

	Left Stance	Additional COP Metrics		Right Stance
Baseline	 43			 82
Post-Baseline	 40			 43

Left Stance (Baseline)	95% Ellipse Area (cm^2)	Right Stance (Baseline)
5.9	95% Ellipse Area (cm^2)	6.6
2.1	Range-ML (cm)	1.6
2.9	Range-AP (cm)	5.6
-20	Ellipse Angle (deg)	-4
2.1	Mean Velocity (cm/s)	4.1
0.5	RMS-ML (cm)	0.3
0.7	RMS-AP (cm)	1.1

Left Stance (Post-Baseline)	95% Ellipse Area (cm^2)	Right Stance (Post-Baseline)
2.5	95% Ellipse Area (cm^2)	3.3
1.4	Range-ML (cm)	1.7
2.4	Range-AP (cm)	2.6
12	Ellipse Angle (deg)	16
2.0	Mean Velocity (cm/s)	2.1
0.3	RMS-ML (cm)	0.3
0.5	RMS-AP (cm)	0.5

An ellipse fitting 95% of the Center of Pressure (COP) path within it, and seven COP metrics, are provided for Left and Right Stance trials.

The 95% Ellipse Area is the area within the ellipse. The Range-ML and Range-AP give the width and height of the ellipse in the Left/Right and Front/Back directions respectively. The Ellipse Angle (i.e. Ang) is a measure of the ellipse rotation relative to vertical. The Mean Velocity is the average speed of COP over a trail. The RMS-ML and RMS-AP give the variability of COP in the Medial/Lateral and Anterior/Posterior directions based on the standard deviation of Left/Right and Front/Back COP.

Baseline Results

DATE	ELL(L,R)	RG-ML(L,R)	RG-AP(L,R)	ANG(L,R)	VEL(L,R)	RM-ML(L,R)	RM-AP(L,R)
2/1/2018 3:47:02 PM	5.9,6.6	2.1,1.6	2.9,5.6	-20,-4	2.1,4.1	0.5,0.3	0.7,1.1

Post-Baseline Results

DATE	ELL(L,R)	RG-ML(L,R)	RG-AP(L,R)	ANG(L,R)	VEL(L,R)	RM-ML(L,R)	RM-AP(L,R)
2/8/2018 3:20:10 PM	3.6,6.7	1.8,2.1	2.7,4.6	-13,8	2.1,3.8	0.3,0.4	0.6,1.1
3/2/2018 4:24:24 PM	3.2,4.3	1.7,2.0	2.3,2.8	3,-1	2.0,2.6	0.4,0.4	0.5,0.6
6/2/2018 3:41:18 PM	2.5,3.3	1.4,1.7	2.4,2.6	12,16	2.0,2.1	0.3,0.3	0.5,0.5

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