

PROFILE ASSESSMENT

ISADORA ROBERT STEWIEN

16th January, 2023

PROFILE INFORMATION

NAME	ISADORA ROBERT STEWIEN
ORGANISATION	On Morumbi Clinica Medica
DATE OF BIRTH	30 th July, 2009
GENDER	Female
HEIGHT	163cm / 64in
WEIGHT	56kg / 123lb
AGE	13



Standing Posture

Posture and Stability Assessment

Standing Posture is a baseline postural assessment that can provide insight into an individual's structural balance, alignment, and postural strategy.

RESULTS

BALANCE SNAPSHOT



SIDETRAK POSTURAL DEVIATION (SAGITTAL PLANE/SIDE VIEW)



KEY RESULTS

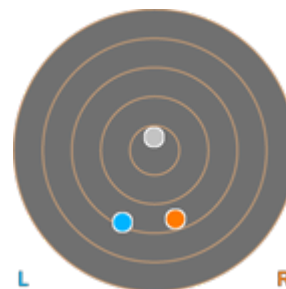
Neck lateral flexion 0.2° **Right** ▼

Trunk lateral flexion 1.8° **Left** ▼

Pelvis Lateral Tilt 1.2° **Left** ▼

Trunk Flexion 0.2° **Posterior**

SWAYTRAK MOVEMENT PATHS (KNEES AND CENTRE OF MASS)



PRACTITIONER COMMENTS



Cervical Spine Flexion/Extension

Range of Motion Assessment

Cervical Spine Flexion (forward) / Extension (backwards) calculated by taking the inclination of the head relative to the line of the trunk in the sagittal plane (side view).

RESULTS

PEAK FLEXION SNAPSHOT			PEAK EXTENSION SNAPSHOT	
□			□	
KEY RESULTS	STARTING POSITION	PEAK FLEXION	PEAK EXTENSION	TOTAL RANGE
Flexion/Extension	0.0°	34.9°	5.5°	40.4°
Trunk Flexion	2.7° Posterior	0.8° Posterior	3.3° Posterior	N/A
Trunk lateral flexion	1.0°	1.8° Left ▼	1.5° Left ▼	N/A

PRACTITIONER COMMENTS



Cervical Spine Lateral Flexion

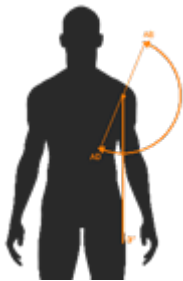
Range of Motion Assessment

Cervical Spine Lateral Flexion (left and right) is calculated by taking the inclination of the head relative to the line of the trunk in the frontal plane (front view).

RESULTS

PEAK LEFT LATERAL FLEXION		PEAK RIGHT LATERAL FLEXION	
KEY RESULTS	PEAK FLEXION (LEFT)	PEAK FLEXION (RIGHT)	IMBALANCE
Lateral Flexion	16.7°	13.5°	+3.2°
Trunk Flexion	3.8° Posterior	4.6° Posterior	N/A
Trunk lateral flexion at Peak Flexion	4.3° Left ▼	2.2° Left ▼	+2.0°

PRACTITIONER COMMENTS



Shoulder Adduction/Abduction

Range of Motion Assessment

Shoulder Adduction/Abduction is calculated by taking the angle created by the humerus (upper arm) relative to the line of the trunk in the frontal plane (front view).

RESULTS

PEAK ADDUCTION		PEAK ABDUCTION	
LEFT	RIGHT	LEFT	RIGHT
KEY RESULTS	LEFT	RIGHT	IMBALANCE
Shoulder Adduction	7.9°	4.2°	+3.7°
Shoulder Abduction	179.9°	179.5°	+0.4°
Trunk lateral flexion at Peak Abduction	0.1° Right ▼	3.3° Left ▼	+3.2°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)

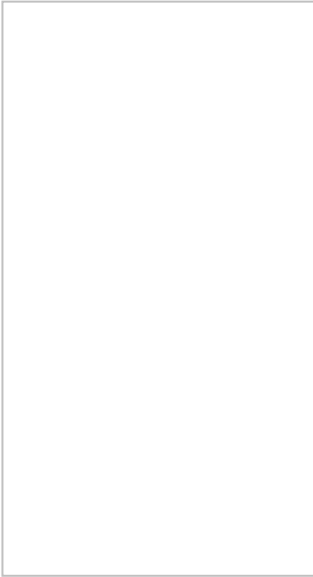
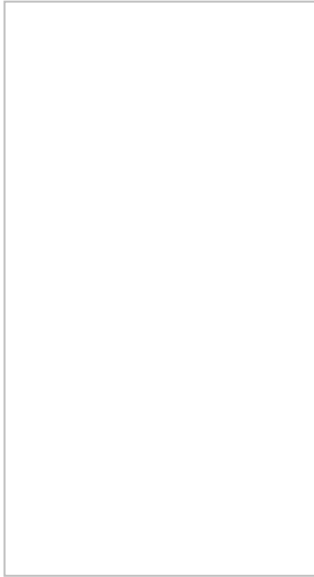
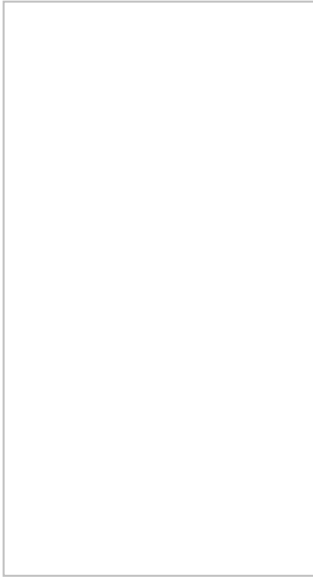



Shoulder Flexion/Extension

Range of Motion Assessment

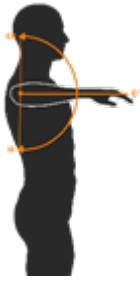
Shoulder Flexion/Extension is calculated by taking the angle created by the humerus (upper arm) relative to the line of the trunk in the sagittal plane (side view).

RESULTS

PEAK FLEXION		PEAK EXTENSION	
LEFT	RIGHT	LEFT	RIGHT
			
KEY RESULTS	LEFT	RIGHT	IMBALANCE
Shoulder Flexion	197.0°	208.1°	+11.2°
Shoulder Extension	46.3°	51.3°	+5.0°
Trunk lateral flexion at Peak Flexion	1.0° Left ▼	3.2° Left ▼	+2.2°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)



Shoulder Internal/External Rotation

Range of Motion Assessment

Shoulder Internal/External Rotation calculated by taking the angle created by the forearm relative to horizontal in the sagittal plane (side view).

RESULTS

PEAK INTERNAL ROTATION

LEFT

RIGHT

PEAK EXTERNAL ROTATION

LEFT

RIGHT

KEY RESULTS	LEFT	RIGHT	IMBALANCE
Shoulder Internal Rotation	62.4°	57.1°	+5.2°
Shoulder External Rotation	80.1°	85.0°	+4.9°
Total ROM	142.5°	142.1°	+0.3°
Trunk lateral flexion at Peak Internal Rotation	0.2° Right ▼	0.1° Right ▼	+0.1°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)



Squat

Lower Body Dynamic Assessment

Squat is a dynamic movement assessment providing insight into an individual's balance, stability, flexibility, and strength.

RESULTS

SNAPSHOTS			
START	REP 1: PEAK KNEE FLEXION	REP 2: PEAK KNEE FLEXION	REP 3: PEAK KNEE FLEXION
□	□	□	□
KEY RESULTS	REP 1	REP 2	REP 3
Peak Knee Flexion (Left)	143.9°	142.6°	147.1°
Peak Knee Flexion (Right)	145.8°	146.1°	148.0°
Spine Tilt at Peak Knee Flexion	38.1° Anterior	35.3° Anterior	36.1° Anterior
Trunk lateral flexion at Peak Knee Flexion	0.7° Left ▼	0.2° Right ▼	1.5° Right ▼

PRACTITIONER COMMENTS



Single Leg Stand

Balance Assessment

Standing balance over time is assessed while standing on one leg.

Eyes Open
Surface Stable
Time 10.0 s

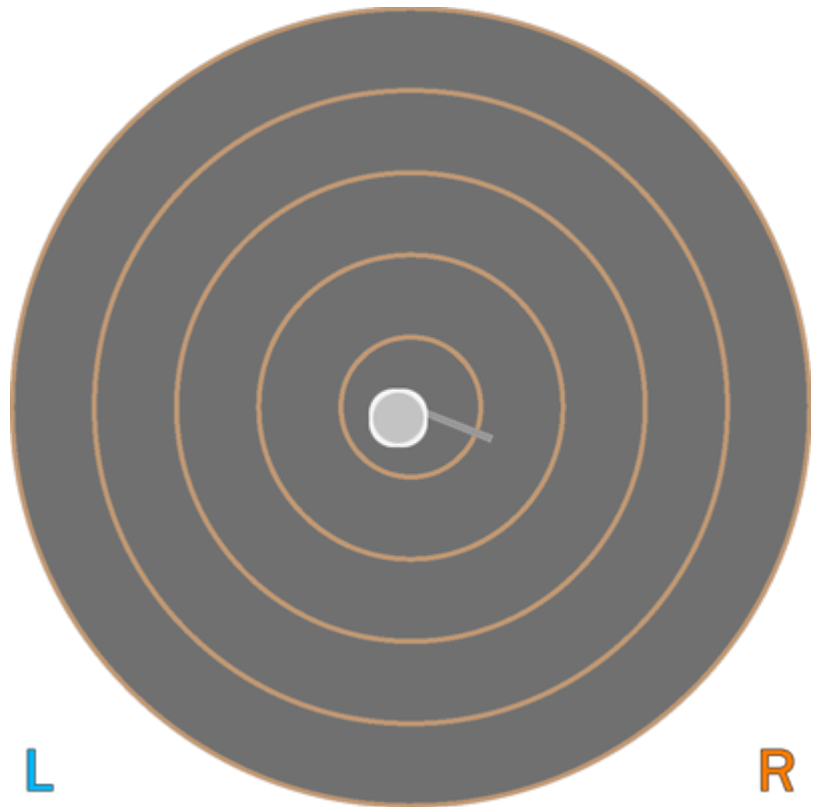
RESULTS

BALANCE RESULTS (LEFT)

SNAPSHOT – START OF TEST



CENTER OF MASS PATH



KEY METRICS

RESULTS

Ellipse Area

0.78 cm²

COM Path Length

17.42 cm

Range – ML

3.26 cm

Range – AP

3.05 cm

Pelvis Lateral Tilt

6.0° Right ▼

Trunk lateral flexion

0.9° Right ▼

PRACTITIONER COMMENTS



Single Leg Stand

Balance Assessment

Standing balance over time is assessed while standing on one leg.

Eyes Open
Surface Stable
Time 10.0 s

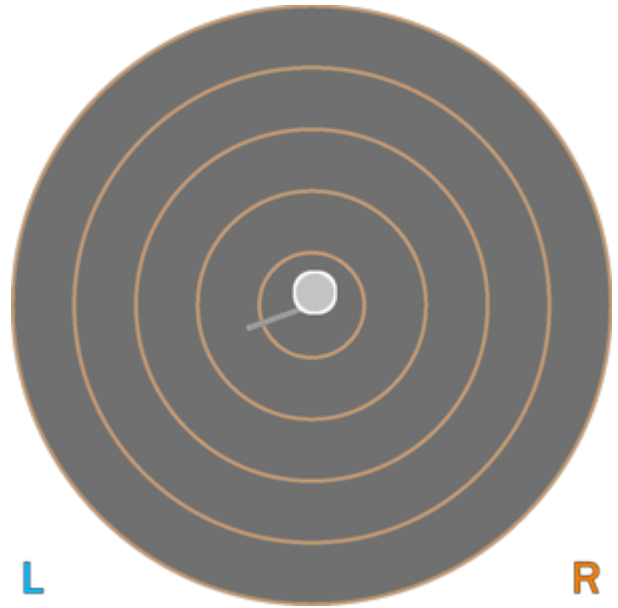
RESULTS

BALANCE RESULTS (RIGHT)

SNAPSHOT – START OF TEST



CENTER OF MASS PATH



KEY METRICS

Ellipse Area

COM Path Length

Range – ML

Range – AP

Pelvis Lateral Tilt

Trunk lateral flexion

RESULTS

0.29 cm²

14.42 cm

1.28 cm

2.24 cm

8.1° Left ▼

3.1° Left ▼

PRACTITIONER COMMENTS



Overhead Squat

Lower Body Dynamic Assessment

Overhead squat is a dynamic movement assessment providing insight into an individual's balance, stability, flexibility, and strength.

RESULTS

SNAPSHOTS			
START	REP 1: PEAK KNEE FLEXION	REP 2: PEAK KNEE FLEXION	REP 3: PEAK KNEE FLEXION
□	□	□	□
KEY RESULTS	REP 1	REP 2	REP 3
Peak Knee Flexion (Left)	148.7°	148.7°	146.7°
Peak Knee Flexion (Right)	144.7°	146.1°	146.0°
Trunk Flexion at Peak Knee Flexion	24.5° Anterior	25.0° Anterior	22.8° Anterior
Trunk lateral flexion at Peak Knee Flexion	0.4° Right ▼	1.7° Right ▼	2.9° Right ▼

PRACTITIONER COMMENTS



Countermovement Jump

Lower Body Dynamic Assessment

The Countermovement Jump assesses the landing posture during an explosive dynamic exercise.

RESULTS

PEAK KNEE FLEXION
after landing

□

KEY METRICS (TORSO)

Jump Height 25.27 cm

Peak Spine Tilt
after landing 22.8° Anterior

Peak Lateral Spine Tilt
after landing 2° Left

Peak Lateral Pelvic Tilt
after landing 3.3° Right

KEY METRICS (LEGS)

LEFT LEG

RIGHT LEG

ASYMMETRY

Peak Hip Flexion
after landing 74.0° 70.7° 4.5%

Peak Knee Flexion
after landing 88.6° 87.1° 1.6%

Peak Knee Valgus/Varus
after landing 14.9° Varus 19.2° Varus 22.4%

PRACTITIONER COMMENTS



Drop Jump

Lower Body Dynamic Assessment

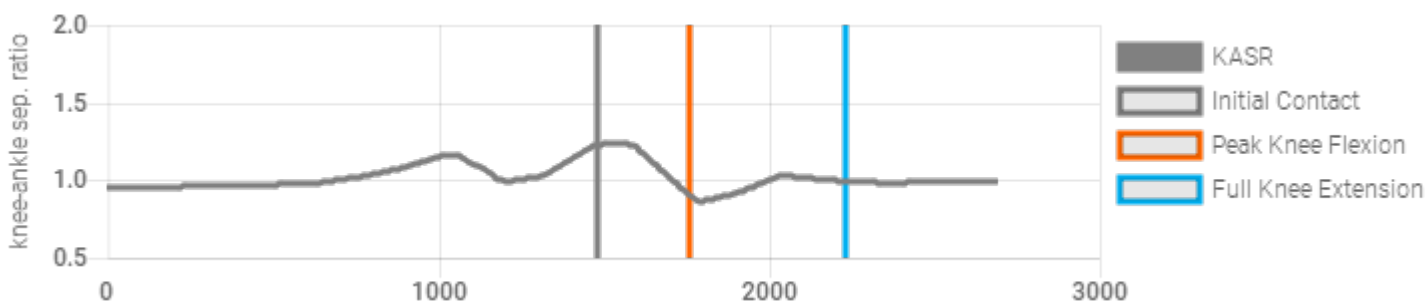
Drop Jump is used to assess coordination, balance, joint stability and power, requiring the patient to drop from a box or platform and transition from landing into an explosive jump .

Height

unspecified

RESULTS

PHASE	Initial Contact	Peak Knee Flexion
SNAPSHOTS	□	□
Result		
Knee-Ankle Separation Ratio	1.2	0.9
Hip Flexion (Left)	30.9°	34.2°
Hip Flexion (Right)	20.2°	31.3°
Knee Flexion (Left)	45.3°	59.0°
Knee Flexion (Right)	36.7°	59.3°



PRACTITIONER COMMENTS



Single Leg Squat

Lower Body Dynamic Assessment

Single Leg Squat is a dynamic movement assessment that provides insight into an individual's balance, stability, flexibility, and strength.

RESULTS

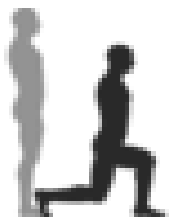
LEFT LEG			
SNAPSHOTS			
START	REP 1: PEAK KNEE FLEXION	REP 2: PEAK KNEE FLEXION	REP 3: PEAK KNEE FLEXION
□	□	□	□
KEY RESULTS	REP 1	REP 2	REP 3
Peak Knee Flexion	95.5°	86.8°	84.8°
Knee Displacement (total)	26.1 cm	17.9 cm	14.5 cm
Peak Knee Valgus	0.8° Valgus	1° Valgus	0.2° Valgus
Peak Knee Varus	33.4° Varus	20.4° Varus	21.1° Varus
Trunk lateral flexion at Peak Knee Flexion	9.5° Left ▼	5.3° Left ▼	4.4° Left ▼

PRACTITIONER COMMENTS

RESULTS

RIGHT LEG			
SNAPSHOTS			
START	REP 1: PEAK KNEE FLEXION	REP 2: PEAK KNEE FLEXION	REP 3: PEAK KNEE FLEXION
□	□	□	□
KEY RESULTS	REP 1	REP 2	REP 3
Peak Knee Flexion	85.0°	88.6°	88.3°
Knee Displacement (total)	16.9 cm	8.8 cm	20.3 cm
Peak Knee Valgus	0.0°	0.2° Valgus	0.4° Valgus
Peak Knee Varus	25.8° Varus	14.4° Varus	10° Varus
Trunk lateral flexion at Peak Knee Flexion	4.4° Right ▼	0.3° Right ▼	0.9° Right ▼

PRACTITIONER COMMENTS



Lunge

Lower Body Dynamic Assessment

The Lunge assesses the strength and range of motion of the knees and hips.

RESULTS

PEAK KNEE FLEXION	
LEFT	RIGHT



KEY METRICS	LEFT LEG	RIGHT LEG	ASYMMETRY
Peak Hip Flexion	77.8°	72.9°	6.3%
Peak Knee Flexion	100.0°	96.9°	3.1%
Peak Spine Lateral Tilt	1.6° Anterior	2.7° Anterior	N/A
Peak Pelvic Lateral Tilt	1.8° Left	4.1° Right	N/A

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)



Hip Internal/External Rotation

Range of Motion Assessment

Hip Internal/External Rotation is calculated by taking the angle created by the tibia relative to vertical in the frontal plane (front view) while seated with 90° of hip flexion.

RESULTS

PEAK INTERNAL ROTATION

LEFT

RIGHT



PEAK EXTERNAL ROTATION

LEFT

RIGHT



KEY RESULTS

LEFT

RIGHT

IMBALANCE

Peak Internal Rotation

28.7°

40.5°

+11.8°

Peak External Rotation

39.6°

39.7°

+0.1°

Total ROM

68.2°

80.2°

+12.0°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)