

PROFILE ASSESSMENT

William Leal
18th March, 2024

PROFILE INFORMATION

NAME	William Leal
ORGANISATION	On Morumbi Clinica Medica
DATE OF BIRTH	12 th August, 1983
GENDER	Male
HEIGHT	180cm / 70in
WEIGHT	90kg / 198lb
AGE	40



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



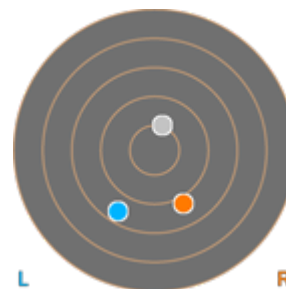
SIDETRAK POSTURAL DEVIATION (SAGITTAL PLANE/SIDE VIEW)



KEY RESULTS

Neck lateral flexion	2.4° Right ▼
Trunk lateral flexion	1.4° Right ▼
Pelvis Lateral Tilt	0.7° Right ▼
Trunk Flexion	2.4° Posterior

SWAYTRAK MOVEMENT PATHS (KNEES AND CENTRE OF MASS)



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

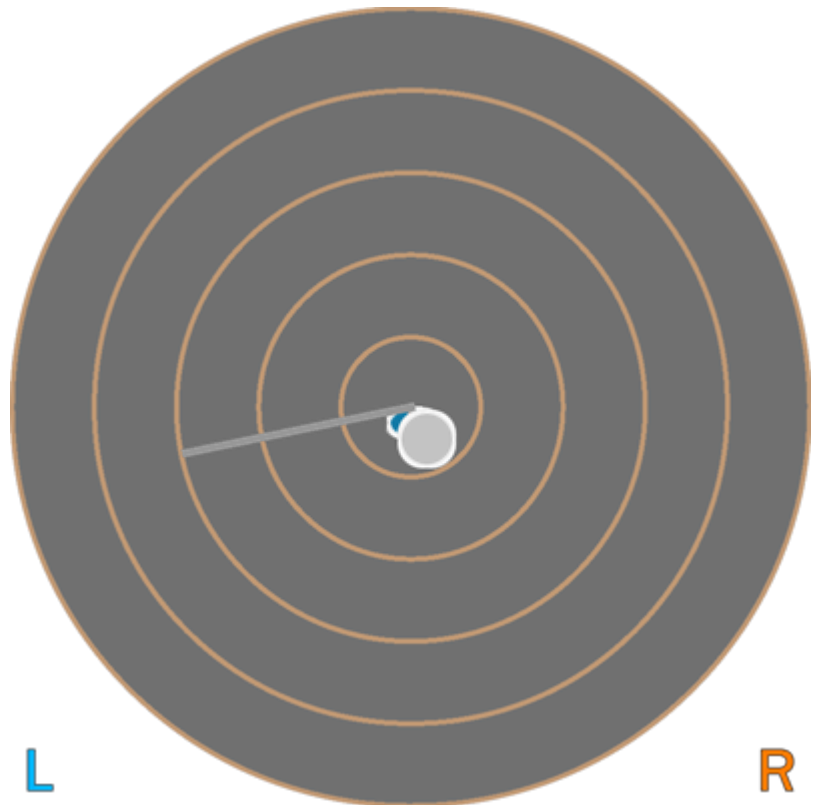
RESULTS

BALANCE RESULTS (LEFT)

SNAPSHOT – START OF TEST



CENTER OF MASS PATH



KEY METRICS

Ellipse Area

COM Path Length

Range – ML

Range – AP

Pelvis Lateral Tilt

Trunk lateral flexion

RESULTS

0.40 cm²

15.21 cm

2.18 cm

2.59 cm

9.3° Left ▼

5.4° Left ▼

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

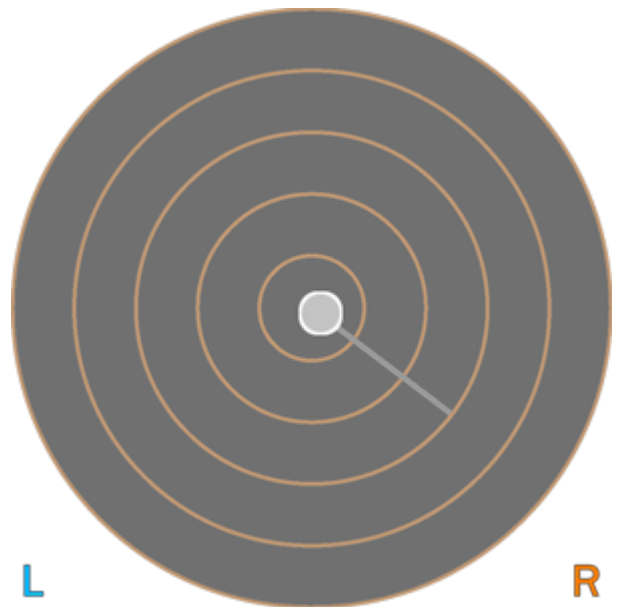
RESULTS

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

0.71 cm²

17.11 cm

2.38 cm

2.81 cm

7.1° Right ▼

5.0° Right ▼

PRACTITIONER COMMENTS




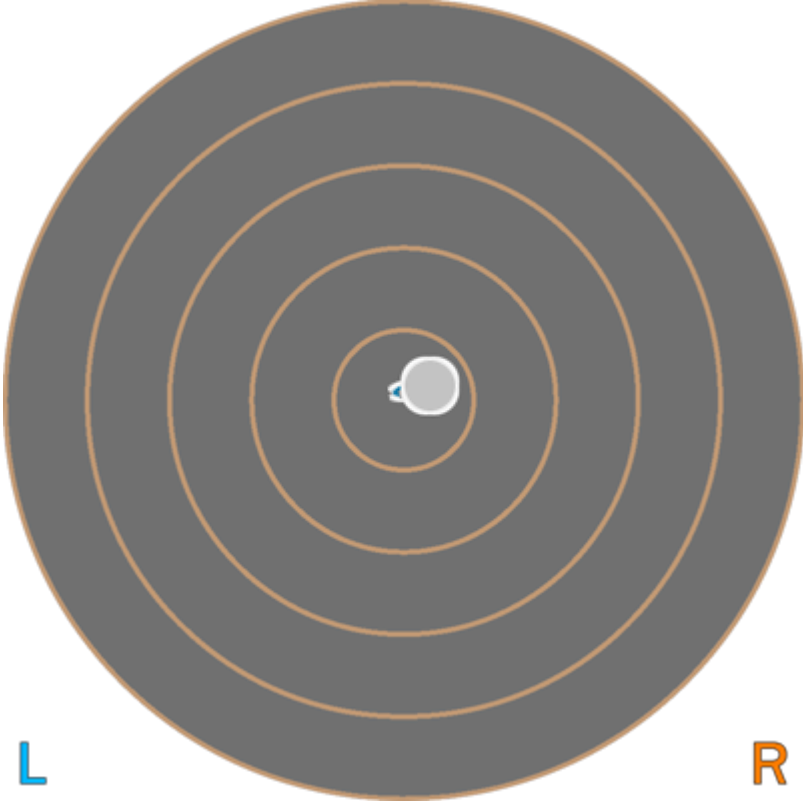
Tandem Stand

Balance Assessment

Standing balance over time is assessed with one foot directly in front of the other.

Eyes Closed
Surface Stable
Time 10.0 s

RESULTS

BALANCE RESULTS (LEFT)	
SNAPSHOT – START OF TEST	CENTER OF MASS PATH
	
KEY METRICS	RESULTS
Ellipse Area	1.05 cm-2
COM Path Length	20.34 cm
Range – ML	4.49 cm
Range – AP	2.03 cm
Pelvis Lateral Tilt	0.6° Right ▼
Trunk lateral flexion	0.8° Right ▼
PRACTITIONER COMMENTS	




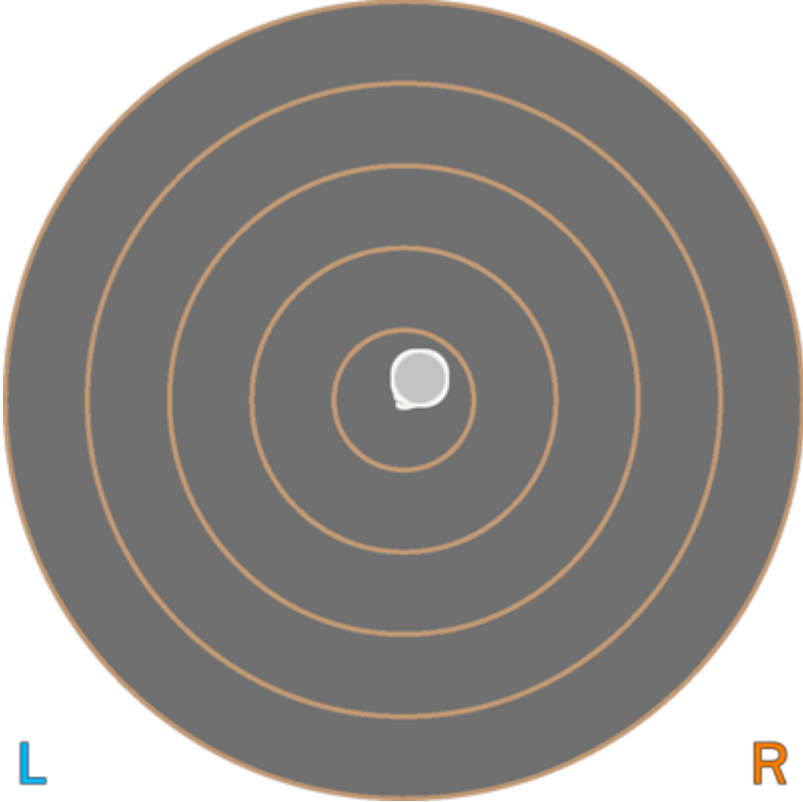
Tandem Stand

Balance Assessment

Standing balance over time is assessed with one foot directly in front of the other.

Eyes Closed
Surface Stable
Time 10.0 s

RESULTS

BALANCE RESULTS (RIGHT)	
SNAPSHOT – START OF TEST	CENTER OF MASS PATH
	
KEY METRICS	RESULTS
Ellipse Area	0.51 cm-2
COM Path Length	17.38 cm
Range – ML	3.09 cm
Range – AP	2.78 cm
Pelvis Lateral Tilt	0.6° Right ▼
Trunk lateral flexion	1.5° Right ▼
PRACTITIONER COMMENTS	







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)	108.7°	117.5°	118.3°
Peak Knee Flexion (Right)	111.3°	118.4°	120.7°
Spine Tilt at Peak Knee Flexion	38.5° Anterior	37.1° Anterior	42.3° Anterior
Trunk lateral flexion at Peak Knee Flexion	3.7° Right ▼	0.9° Right ▼	1.6° Right ▼

PRACTITIONER COMMENTS



30 Second Sit To Stand

Lower Body Dynamic Assessment

30 Second Sit To Stand is an assessment that provides information on function leg power and strength of participants.

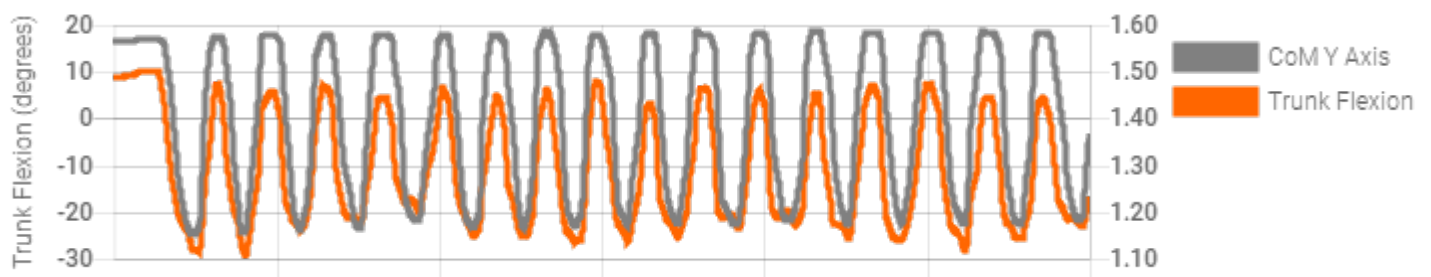
RESULTS

KEY RESULTS	OVERALL
Successful Repetitions	16
Peak Knee Extension	L 4.3° R 7.8°
Knee Displacement	L 13.5 cm R 14.1 cm
Peak Lateral Trunk Flexion	2.8° Right ▼

SNAPSHOTS

START	1st REP: PEAK TRUNK FLEXION	Q1 REP: PEAK TRUNK FLEXION	MEDIAN REP: PEAK TRUNK FLEXION	Q3 REP: PEAK TRUNK FLEXION	LAST REP: PEAK TRUNK FLEXION

KEY METRICS	1st REP	Q1 REP	MEDIAN REP	Q3 REP	LAST REP
Knee-Ankle Separation Ratio	1.2	1.3	1.2	1.2	1.2
Lateral Trunk Flexion	1.1° Right ▼	2.1° Right ▼	1.5° Right ▼	1.2° Right ▼	0.8° Right ▼
Knee Flexion	L 72.9° R 75.0°	L 89.1° R 91.0°	L 76.4° R 78.5°	L 72.1° R 72.9°	L 74.0° R 76.7°
Hip Flexion	L 66.4° R 64.5°	L 88.6° R 85.1°	L 72.7° R 70.5°	L 66.3° R 63.4°	L 70.7° R 68.2°
Trunk Flexion	1.1° Posterior	2.1° Posterior	1.5° Posterior	1.2° Posterior	0.8° Posterior




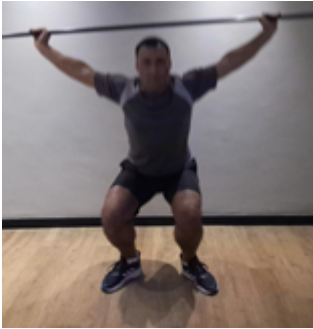
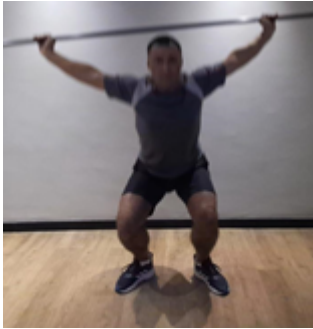



Overhead Squat

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)	116.2°	111.1°	108.9°
Peak Knee Flexion (Right)	116.2°	113.4°	108.9°
Trunk Flexion at Peak Knee Flexion	24.0° Anterior	28.5° Anterior	24.6° Anterior
Trunk lateral flexion at Peak Knee Flexion	1.9° Right ▼	2.3° Right ▼	3.2° Right ▼

PRACTITIONER COMMENTS



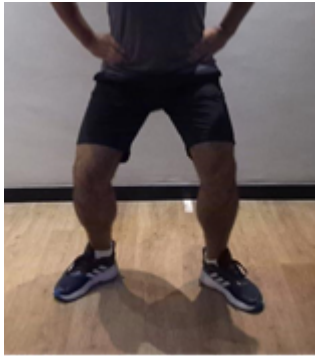
Countermovement Jump

Lower Body Dynamic Assessment

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

RESULTS

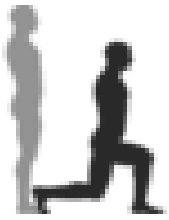
PEAK KNEE FLEXION after landing



KEY METRICS (TORSO)

Jump Height	37.52 cm		
Peak Spine Tilt after landing	24.3° Anterior		
Peak Lateral Spine Tilt after landing	1.5° Right		
Peak Lateral Pelvic Tilt after landing	4.2° Right		
KEY METRICS (LEGS)	LEFT LEG	RIGHT LEG	ASYMMETRY
Peak Hip Flexion after landing	68.2°	66.1°	3.1%
Peak Knee Flexion after landing	78.1°	79.3°	1.6%
Peak Knee Valgus/Varus after landing	23.3° Varus	35.6° Varus	34.6%

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	60.5°	65.2°	7.3%
Peak Knee Flexion	84.2°	91.2°	7.7%
Peak Spine Lateral Tilt	1.6° Posterior	2.6° Anterior	N/A
Peak Pelvic Lateral Tilt	1.4° Right	1.4° Right	N/A

PRACTITIONER COMMENTS (**LEFT**)

PRACTITIONER COMMENTS (**RIGHT**)





Drop Jump

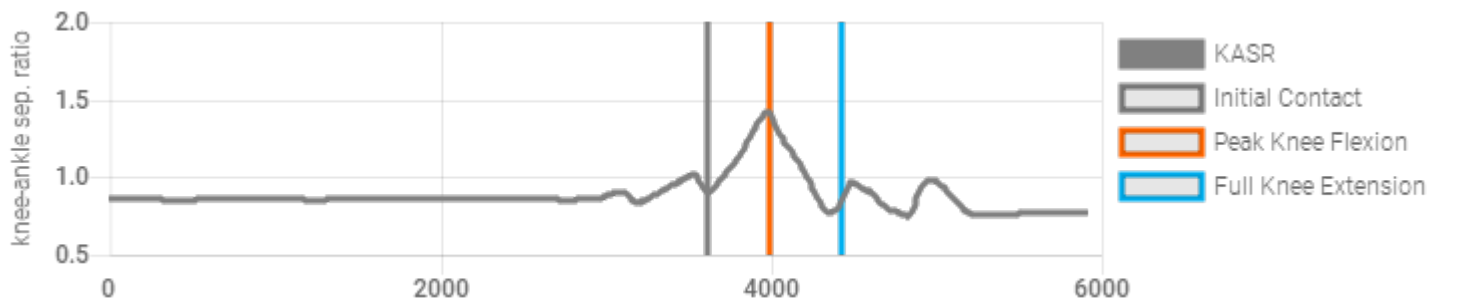
Lower Body Dynamic Assessment

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	0.9	1.4
Hip Flexion (Left)	39.0°	98.1°
Hip Flexion (Right)	28.7°	96.5°
Knee Flexion (Left)	50.0°	104.6°
Knee Flexion (Right)	39.6°	112.7°



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	87.5°	88.0°	91.4°
Knee Displacement (total)	15.8 cm	18.8 cm	19.0 cm
Peak Knee Valgus	0.0°	3.7° Valgus	5.8° Valgus
Peak Knee Varus	13.7° Varus	1.7° Varus	2.4° Varus
Trunk lateral flexion at Peak Knee Flexion	11.1° Left ▼	0.9° Right ▼	1.4° 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	91.1°	96.8°	98.1°
Knee Displacement (total)	38.8 cm	15.7 cm	22.1 cm
Peak Knee Valgus	4.6° Valgus	12.1° Valgus	1.9° Valgus
Peak Knee Varus	30.9° Varus	1.9° Varus	13.4° Varus
Trunk lateral flexion at Peak Knee Flexion	18.3° Right ▼	5.4° Right ▼	14.3° Right ▼

PRACTITIONER COMMENTS