

PROFILE ASSESSMENT

Antonio Marcio Barros Silva

29th April, 2022

PROFILE INFORMATION

NAME	Antonio Marcio Barros Silva
ORGANISATION	On Morumbi Clinica Medica
DATE OF BIRTH	4 th June, 1966
GENDER	Male
HEIGHT	183cm / 72in
WEIGHT	85kg / 187lb
AGE	55



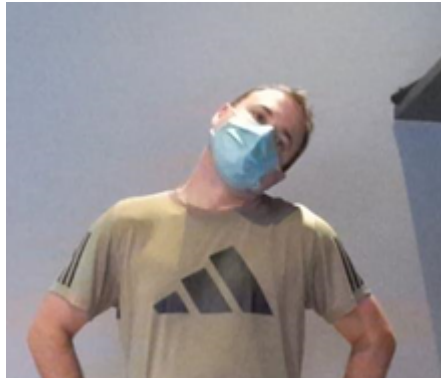
Cervical Spine Lateral Flexion

Range of Motion Assessment

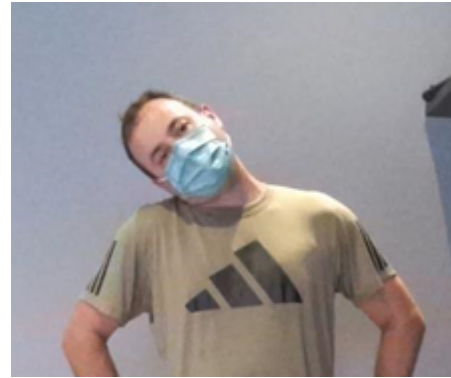
Cervical Spine Lateral Flexion (left and right) is calculated by taking the inclination of the head relative to the line of the trunk in the frontal plane (front view).

RESULTS

PEAK LEFT LATERAL FLEXION



PEAK RIGHT LATERAL FLEXION



KEY RESULTS	PEAK FLEXION (LEFT)	PEAK FLEXION (RIGHT)	IMBALANCE
Lateral Flexion	18.7°	24.7°	+6.0°
Trunk Flexion	0.0° Posterior	0.1° Posterior	N/A
Trunk lateral flexion at Peak Flexion	2.0° Left ▼	5.4° Right ▼	+3.4°

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°	31.1°	2.8°	33.9°
Trunk Flexion	3.0° Posterior	5.8° Anterior	7.0° Posterior	N/A
Trunk lateral flexion	1.1°	0.0° Right ▼	1.0° Right ▼	N/A

PRACTITIONER COMMENTS



Drop Jump


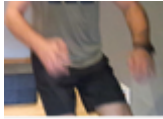
Lower Body Dynamic Assessment

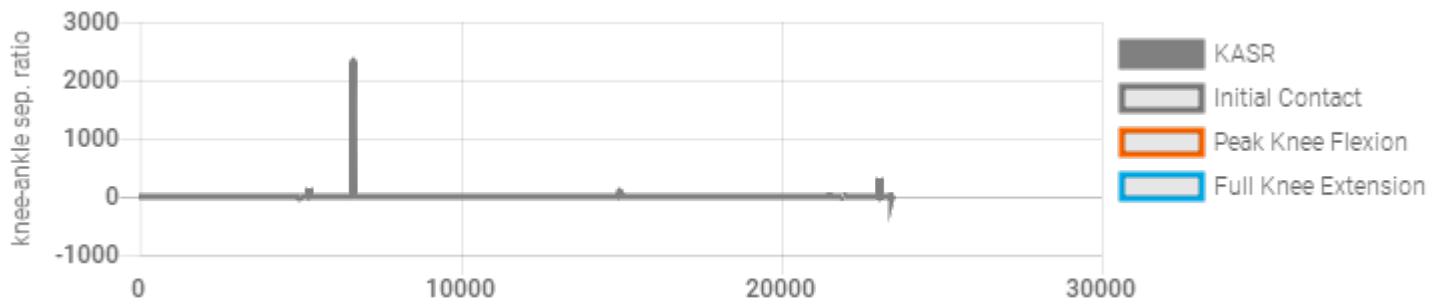
Drop Jump is used to assess coordination, balance, joint stability and power, requiring the patient to drop from a box or platform and transition from landing into an explosive jump .

Height

unspecified

RESULTS

PHASE	Initial Contact	Peak Knee Flexion
SNAPSHOTS		
Result		
Knee-Ankle Separation Ratio	1.1	1.2
Hip Flexion (Left)	9.2°	37.4°
Hip Flexion (Right)	10.5°	53.8°
Knee Flexion (Left)	20.6°	56.8°
Knee Flexion (Right)	17.9°	66.8°



PRACTITIONER COMMENTS



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.

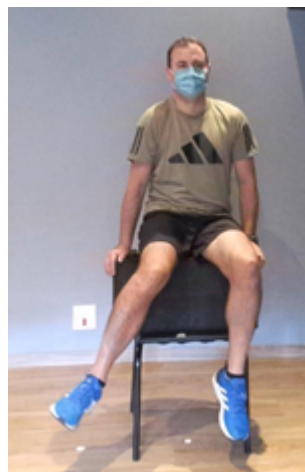
RESULTS

PEAK INTERNAL ROTATION

LEFT

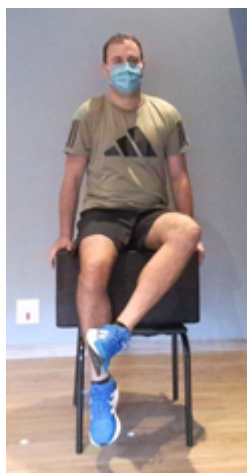


RIGHT

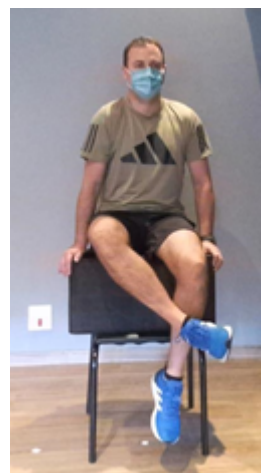


PEAK EXTERNAL ROTATION

LEFT



RIGHT



KEY RESULTS

LEFT

RIGHT

IMBALANCE

Peak Internal Rotation

29.4°

25.5°

+3.9°

Peak External Rotation

46.3°

41.0°

+5.3°

Total ROM

75.7°

66.5°

+9.2°

PRACTITIONER COMMENTS (**LEFT**)

PRACTITIONER COMMENTS (**RIGHT**)



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

31.37 cm

Peak Spine Tilt after landing

51.3° Anterior

Peak Lateral Spine Tilt after landing

6.8° Left

Peak Lateral Pelvic Tilt after landing

1.6° Right

KEY METRICS (LEGS)

LEFT LEG

RIGHT LEG

ASYMMETRY

Peak Hip Flexion after landing

108.5°

108.5°

N/A

Peak Knee Flexion after landing

106.4°

103.9°

2.3%

Peak Knee Valgus/Varus after landing

58.3° Varus

41.3° Varus

29.1%

PRACTITIONER COMMENTS


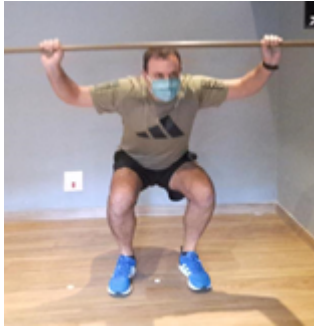
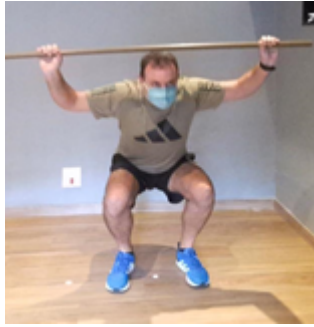
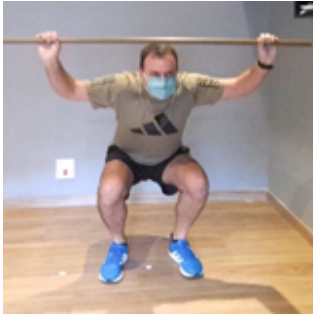


Overhead Squat

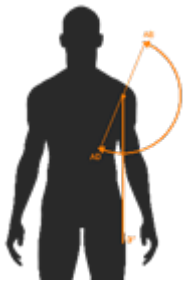
Lower Body Dynamic Assessment

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)	122.6°	128.1°	127.6°
Peak Knee Flexion (Right)	119.9°	127.1°	125.8°
Trunk Flexion at Peak Knee Flexion	31.8° Anterior	32.7° Anterior	31.9° Anterior
Trunk lateral flexion at Peak Knee Flexion	4.3° Left ▼	5.0° Left ▼	8.0° Left ▼

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	8.6°	8.2°	+0.4°
Shoulder Abduction	181.2°	162.9°	+18.3°
Trunk lateral flexion at Peak Abduction	4.3° Right ▼	4.8° Left ▼	+0.5°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)

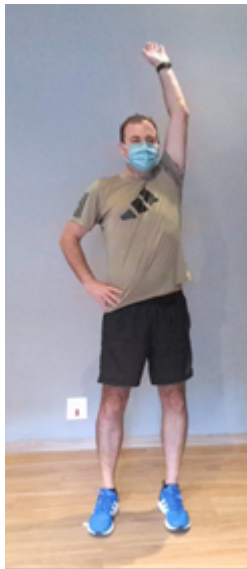
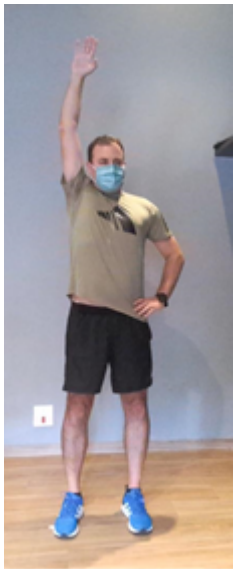




Shoulder Flexion/Extension

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	194.7°	179.4°	+15.3°
Shoulder Extension	59.8°	50.7°	+9.1°
Trunk lateral flexion at Peak Flexion	2.7° Right ▼	0.5° Left ▼	+2.1°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)



Shoulder Internal/External Rotation

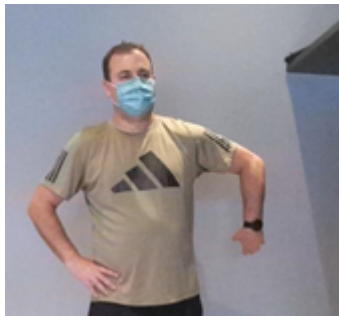
Range of Motion Assessment

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

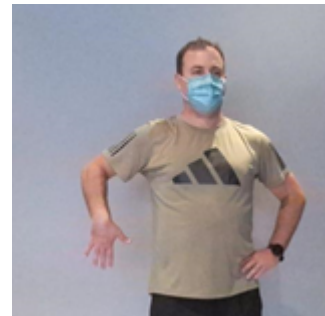
RESULTS

PEAK INTERNAL ROTATION

LEFT



RIGHT

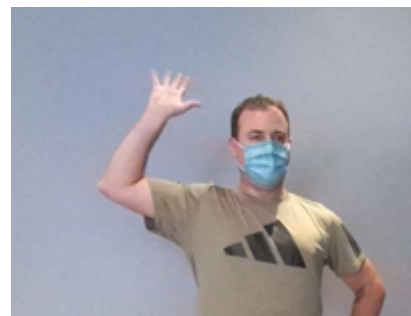


PEAK EXTERNAL ROTATION

LEFT



RIGHT



KEY RESULTS	LEFT	RIGHT	IMBALANCE
Shoulder Internal Rotation	79.4°	66.3°	+13.2°
Shoulder External Rotation	89.5°	83.9°	+5.6°
Total ROM	168.9°	150.2°	+18.7°
Trunk lateral flexion at Peak Internal Rotation	4.1° Right ▼	0.8° Right ▼	+3.3°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)




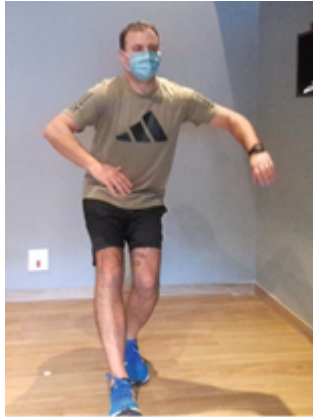


Single Leg Squat

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	84.8°	82.7°	87.8°
Knee Displacement (total)	19.3 cm	15.9 cm	14.2 cm
Peak Knee Valgus	0.0°	0.0°	0.0°
Peak Knee Varus	25.1° Varus	30.5° Varus	23.1° Varus
Trunk lateral flexion at Peak Knee Flexion	4.4° Left ▼	10.2° Left ▼	7.1° 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	79.9°	74.7°	76.8°
Knee Displacement (total)	12.2 cm	18.8 cm	15.9 cm
Peak Knee Valgus	10.2° Valgus	22.7° Valgus	18.5° Valgus
Peak Knee Varus	1.6° Varus	1.3° Varus	7.4° Varus
Trunk lateral flexion at Peak Knee Flexion	6.4° Right ▼	4.8° Right ▼	1.1° 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

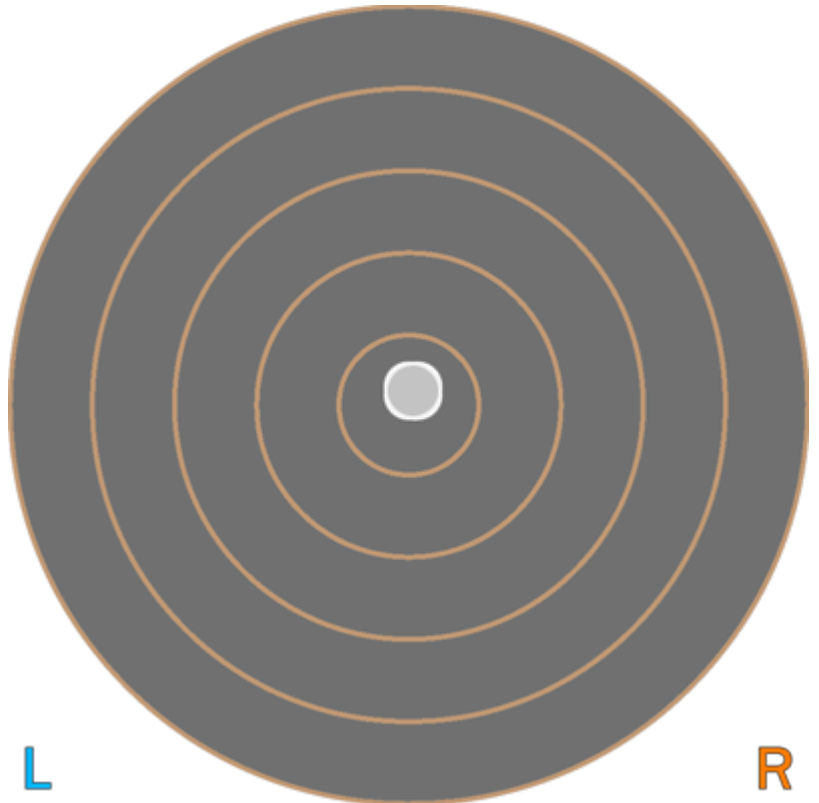
RESULTS

BALANCE RESULTS (LEFT)

SNAPSHOT – START OF TEST



CENTER OF MASS PATH



KEY METRICS

RESULTS

Ellipse Area

0.54 cm²

COM Path Length

14.21 cm

Range – ML

1.75 cm

Range – AP

2.50 cm

Pelvis Lateral Tilt

7.1° Left ▼

Trunk lateral flexion

2.0° 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

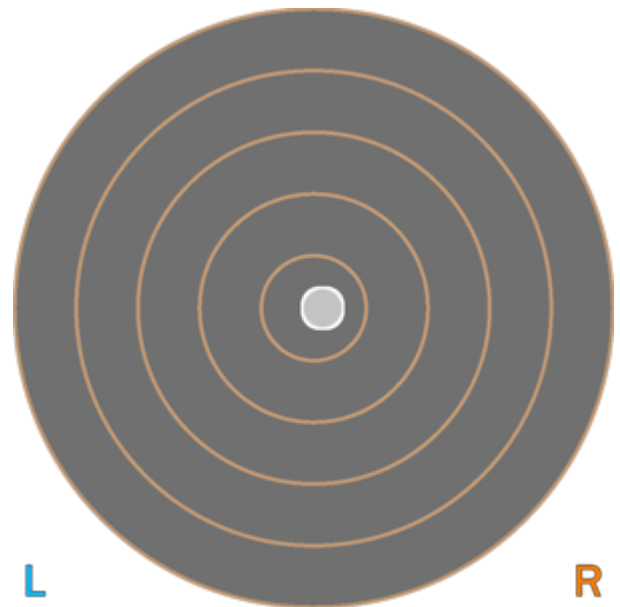
RESULTS

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

0.55 cm²

19.41 cm

2.50 cm

1.95 cm

8.2° Right ▼

6.1° 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)	124.0°	127.7°	123.2°
Peak Knee Flexion (Right)	122.5°	125.2°	122.1°
Spine Tilt at Peak Knee Flexion	39.9° Anterior	40.5° Anterior	43.5° Anterior
Trunk lateral flexion at Peak Knee Flexion	6.9° Left ▼	4.6° Left ▼	4.6° Left ▼

PRACTITIONER COMMENTS



Standing Posture

Posture and Stability Assessment

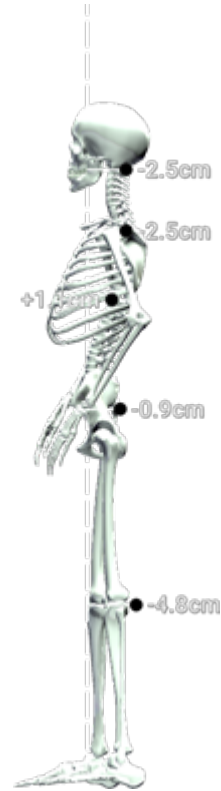
Standing Posture is a baseline postural assessment that can provide insight into an individual's structural balance, alignment, and postural strategy.

RESULTS

BALANCE SNAPSHOT



SIDETRAK POSTURAL DEVIATION (SAGITTAL PLANE/SIDE VIEW)



KEY RESULTS

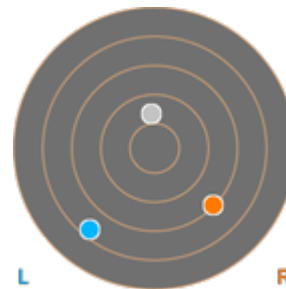
Neck lateral flexion 0.3° **Right** ▼

Trunk lateral flexion 0.3° **Right** ▼

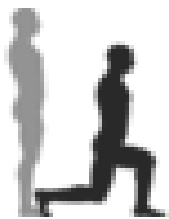
Pelvis Lateral Tilt 0.2° **Left** ▼

Trunk Flexion 0.3° Posterior

SWAYTRAK MOVEMENT PATHS (KNEES AND CENTRE OF MASS)



PRACTITIONER COMMENTS



Lunge

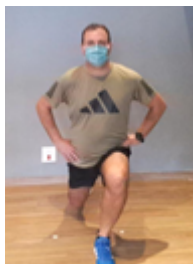
Lower Body Dynamic Assessment

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	54.7°	58.7°	6.8%
Peak Knee Flexion	77.4°	85.0°	8.9%
Peak Spine Lateral Tilt	1.1° Posterior	0.0° Anterior	N/A
Peak Pelvic Lateral Tilt	0.5° Right	0.8° Right	N/A

PRACTITIONER COMMENTS (**LEFT**)

PRACTITIONER COMMENTS (**RIGHT**)