

# PROFILE ASSESSMENT

Andre de Amorim Barbosa

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## PROFILE INFORMATION

NAME	Andre de Amorim Barbosa
ORGANISATION	On Morumbi Clinica Medica
DATE OF BIRTH	11 <sup>th</sup> April, 1968
GENDER	Male
HEIGHT	181cm / 71in
WEIGHT	89kg / 195lb
AGE	55



# Standing Posture

## Posture and Stability Assessment

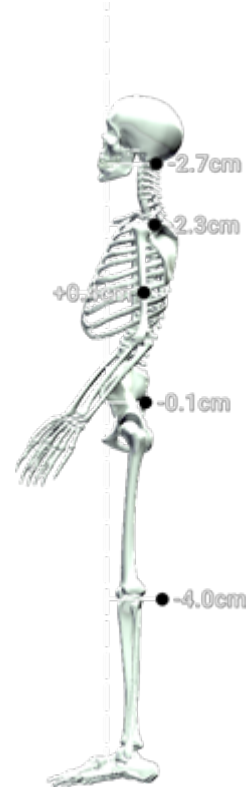
Standing Posture is a baseline postural assessment that can provide insight into an individual's structural balance, alignment, and postural strategy.

## RESULTS

### BALANCE SNAPSHOT



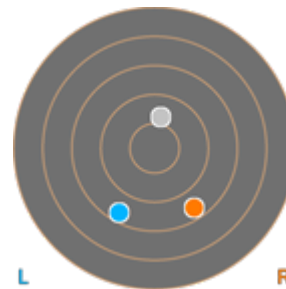
### SIDETRAK POSTURAL DEVIATION (SAGITTAL PLANE/SIDE VIEW)



### KEY RESULTS

Neck lateral flexion	2.2° Right ▼
Trunk lateral flexion	0.9° Right ▼
Pelvis Lateral Tilt	0.9° Right ▼
Trunk Flexion	2.2° 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

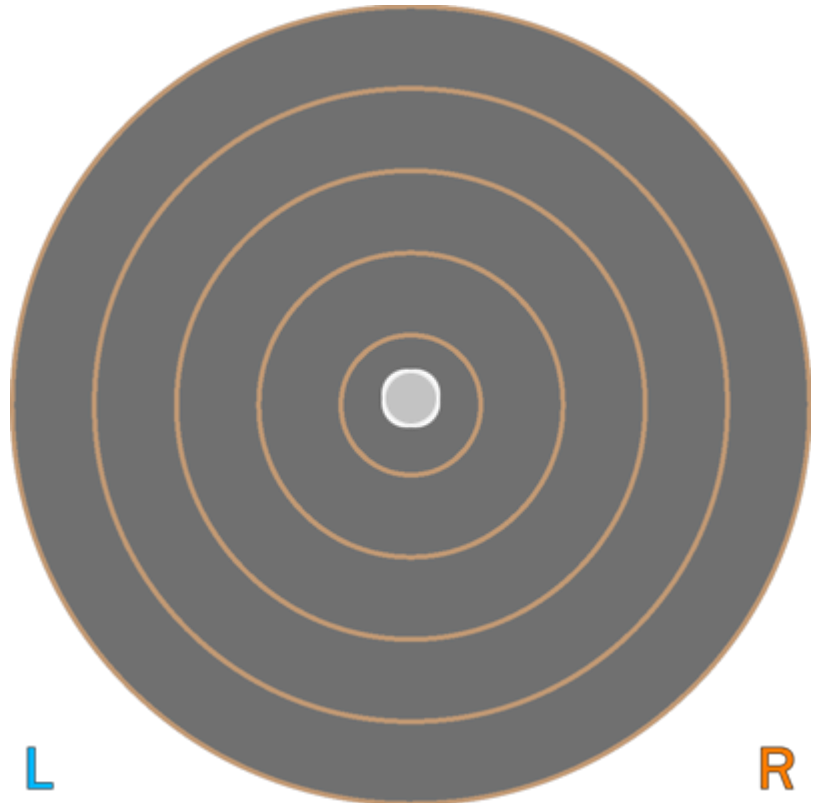
## RESULTS

### BALANCE RESULTS (LEFT)

#### SNAPSHOT – START OF TEST



#### CENTER OF MASS PATH



#### KEY METRICS

#### RESULTS

Ellipse Area

0.33 cm<sup>2</sup>

COM Path Length

15.37 cm

Range – ML

1.83 cm

Range – AP

2.10 cm

Pelvis Lateral Tilt

3.6° Left ▼

Trunk lateral flexion

2.5° 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

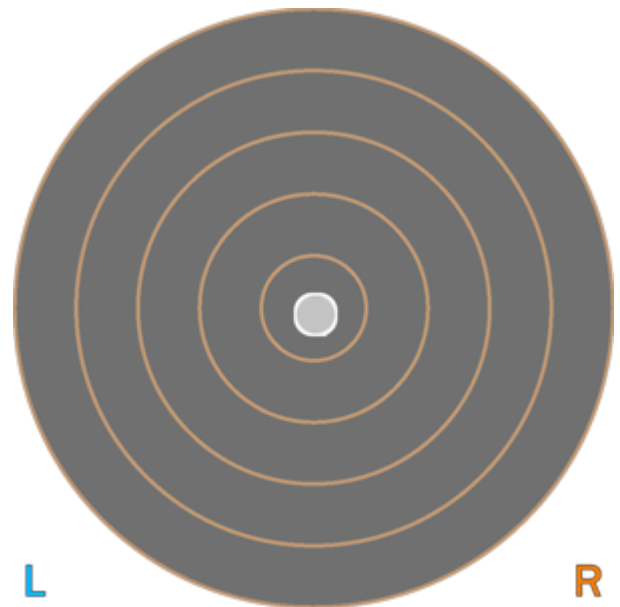
## RESULTS

### 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

0.19 cm<sup>2</sup>

15.12 cm

1.78 cm

3.58 cm

5.7° Right ▼

4.5° Right ▼

#### PRACTITIONER COMMENTS




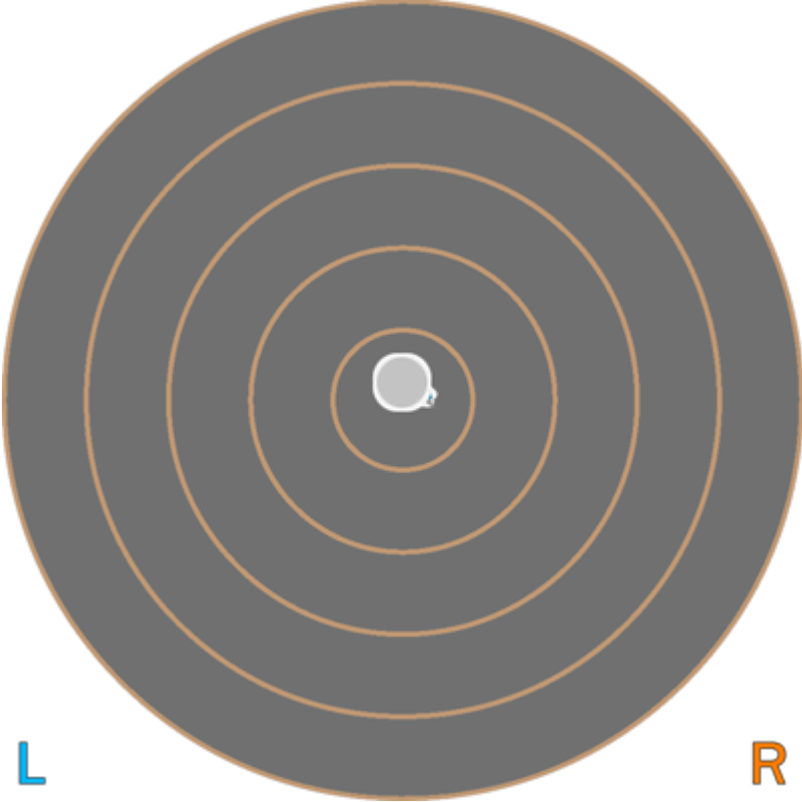
# Tandem Stand

## Balance Assessment

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

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	0.34 cm-2
COM Path Length	9.85 cm
Range – ML	2.82 cm
Range – AP	1.68 cm
Pelvis Lateral Tilt	0.5° Right ▼
Trunk lateral flexion	1.3° Right ▼
PRACTITIONER COMMENTS	




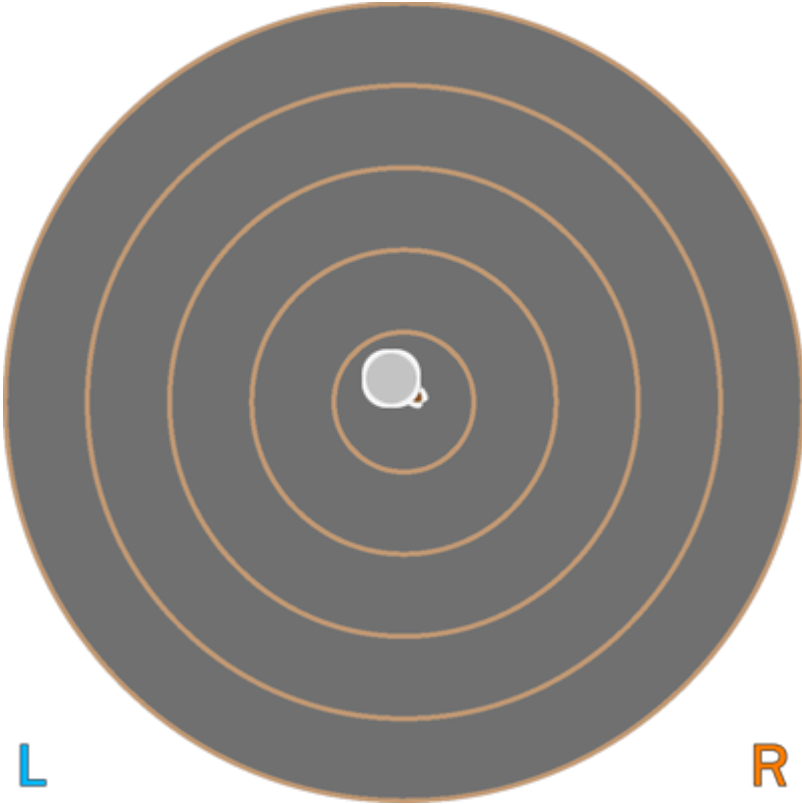
# Tandem Stand

## Balance Assessment

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

Eyes Open  
Surface Stable  
Time 10.0 s

### RESULTS

BALANCE RESULTS (RIGHT)	
SNAPSHOT – START OF TEST	CENTER OF MASS PATH
	
KEY METRICS	RESULTS
Ellipse Area	0.43 cm-2
COM Path Length	16.10 cm
Range – ML	3.45 cm
Range – AP	2.68 cm
Pelvis Lateral Tilt	0.9° Right ▼
Trunk lateral flexion	0.6° Right ▼
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°	29.1°	8.5°	37.6°
Trunk Flexion	3.1° Posterior	2.2° Anterior	7.5° Posterior	N/A
Trunk lateral flexion	0.7°	0.9° Right ▼	2.0° Right ▼	N/A

### PRACTITIONER COMMENTS



# Cervical Spine Lateral Flexion

## Range of Motion Assessment

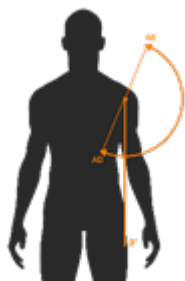
Cervical Spine Lateral Flexion (left and right) is calculated by taking the inclination of the head relative to the line of the trunk in the frontal plane (front view).

### RESULTS

PEAK LEFT LATERAL FLEXION		PEAK RIGHT LATERAL FLEXION	
			
KEY RESULTS	PEAK FLEXION (LEFT)	PEAK FLEXION (RIGHT)	IMBALANCE
Lateral Flexion	17.3°	17.4°	+0.0°
Trunk Flexion	1.4° Posterior	1.5° Posterior	N/A
Trunk lateral flexion at Peak Flexion	1.4° Left ▼	3.5° Right ▼	+2.1°

### 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	0.7°	2.8°	+2.1°
Shoulder Abduction	180.4°	173.7°	+6.7°
Trunk lateral flexion at Peak Abduction	3.7° Right ▼	2.1° Left ▼	+1.5°

PRACTITIONER COMMENTS ( LEFT )

PRACTITIONER COMMENTS ( RIGHT )

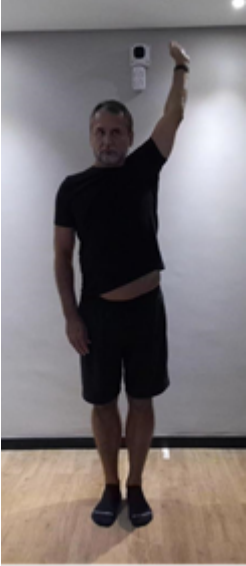





## Shoulder Flexion/Extension

### Range of Motion Assessment

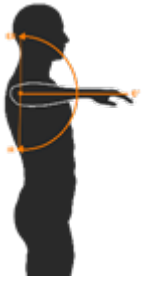
Shoulder Flexion/Extension is calculated by taking the angle created by the humerus (upper arm) relative to the line of the trunk in the sagittal plane (side view).

## RESULTS

PEAK FLEXION		PEAK EXTENSION	
LEFT	RIGHT	LEFT	RIGHT
			
KEY RESULTS	LEFT	RIGHT	IMBALANCE
Shoulder Flexion	214.6°	201.4°	+13.2°
Shoulder Extension	69.2°	67.4°	+1.7°
Trunk lateral flexion at Peak Flexion	3.6° Right ▼	0.9° Left ▼	+2.7°

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).

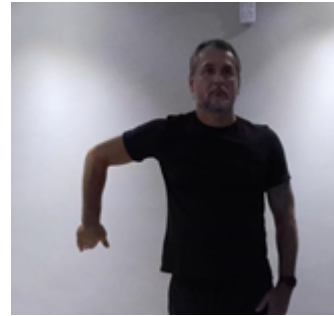
## RESULTS

### PEAK INTERNAL ROTATION

#### LEFT



#### RIGHT



### PEAK EXTERNAL ROTATION

#### LEFT



#### RIGHT



#### KEY RESULTS

#### LEFT

#### RIGHT

#### IMBALANCE

Shoulder Internal Rotation

85.3°

78.1°

+7.2°

Shoulder External Rotation

85.2°

87.6°

+2.4°

Total ROM

170.6°

165.8°

+4.8°

Trunk lateral flexion  
at Peak Internal Rotation

1.1° Right ▼

1.0° Right ▼

+0.2°

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 ( <b>Left</b> )	138.0°	142.7°	142.9°
Peak Knee Flexion ( <b>Right</b> )	138.4°	142.7°	141.7°
Spine Tilt at Peak Knee Flexion	42.6° Anterior	34.8° Anterior	38.0° Anterior
Trunk lateral flexion at Peak Knee Flexion	1.1° <b>Right</b> ▼	1.9° <b>Right</b> ▼	2.9° <b>Right</b> ▼

## 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 ( <b>Left</b> )	148.3°	147.3°	148.9°
Peak Knee Flexion ( <b>Right</b> )	144.6°	142.9°	145.6°
Trunk Flexion at Peak Knee Flexion	28.1° Anterior	29.4° Anterior	23.4° Anterior
Trunk lateral flexion at Peak Knee Flexion	2.3° <b>Right</b> ▼	2.6° <b>Right</b> ▼	1.4° <b>Right</b> ▼

## 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 32.54 cm

Peak Spine Tilt after landing 13.3° Anterior

Peak Lateral Spine Tilt after landing 1.4° Right

Peak Lateral Pelvic Tilt after landing 3° Right

#### KEY METRICS (LEGS)

##### LEFT LEG

##### RIGHT LEG

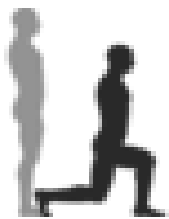
##### ASYMMETRY

Peak Hip Flexion after landing 40.4° 34.7° 14.1%

Peak Knee Flexion after landing 55.5° 50.4° 9.1%

Peak Knee Valgus/Varus after landing 9.4° Varus 15.9° Varus 41%

#### 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	48.4°	51.1°	5.2%
Peak Knee Flexion	73.0°	80.9°	9.7%
Peak Spine Lateral Tilt	2.3° Posterior	2.4° Posterior	N/A
Peak Pelvic Lateral Tilt	2.5° Right	2° Left	N/A

PRACTITIONER COMMENTS ( LEFT )

PRACTITIONER COMMENTS ( RIGHT )



## 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.

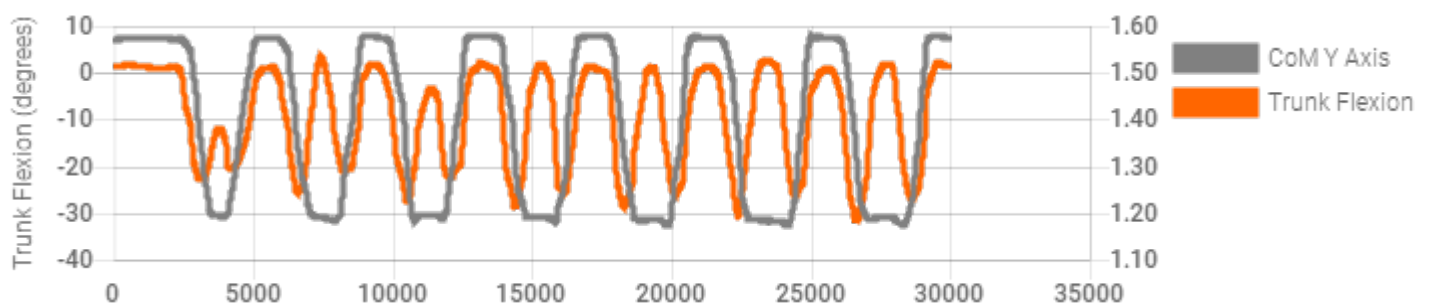
## RESULTS

KEY RESULTS	OVERALL
Successful Repetitions	7
Peak Knee Extension	L 3.9° R 3.4°
Knee Displacement	L 12.7 cm R 12.9 cm
Peak Lateral Trunk Flexion	3.2° 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	1.6	1.6	1.7	1.6	1.6
Lateral Trunk Flexion	1.6° Right ▼	1.9° Right ▼	1.3° Right ▼	0.9° Right ▼	0.9° Right ▼
Knee Flexion	L 74.0° R 74.6°	L 75.6° R 75.2°	L 73.4° R 73.1°	L 72.8° R 71.8°	L 72.4° R 71.2°
Hip Flexion	L 67.0° R 68.2°	L 71.1° R 72.3°	L 72.0° R 72.4°	L 72.0° R 72.4°	L 71.7° R 72.0°
Trunk Flexion	1.6° Posterior	1.9° Posterior	1.3° Posterior	0.9° Posterior	0.9° Posterior











# Drop Jump

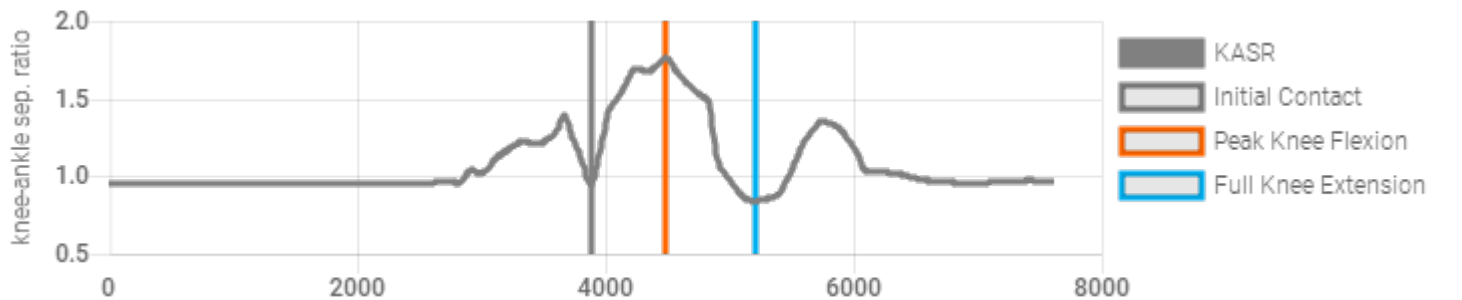
## Lower Body Dynamic Assessment

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	1.8
Hip Flexion ( Left )	28.4°	104.1°
Hip Flexion ( Right )	29.2°	99.4°
Knee Flexion ( Left )	16.9°	103.4°
Knee Flexion ( Right )	18.9°	101.1°



### 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	91.6°	87.4°	92.5°
Knee Displacement (total)	14.0 cm	10.8 cm	23.7 cm
Peak Knee Valgus	0.0°	0.0°	0.0°
Peak Knee Varus	24.1° Varus	21.5° Varus	32.8° Varus
Trunk lateral flexion at Peak Knee Flexion	5.9° Left ▼	4.5° Left ▼	5.5° 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	91.2°	95.3°	92.4°
Knee Displacement (total)	23.8 cm	9.7 cm	33.7 cm
Peak Knee Valgus	3.8° Valgus	3.1° Valgus	1° Valgus
Peak Knee Varus	14.5° Varus	7.4° Varus	35.6° Varus
Trunk lateral flexion at Peak Knee Flexion	7.3° Right ▼	3.2° Right ▼	6.5° Right ▼

PRACTITIONER COMMENTS