

PROFILE ASSESSMENT

Alexandre de Sa Rodrigues

13th March, 2024

PROFILE INFORMATION

NAME	Alexandre de Sa Rodrigues
ORGANISATION	On Morumbi Clinica Medica
DATE OF BIRTH	15 th July, 1993
GENDER	Male
HEIGHT	168cm / 66in
WEIGHT	68kg / 149lb
AGE	30



Standing Posture

Posture and Stability Assessment

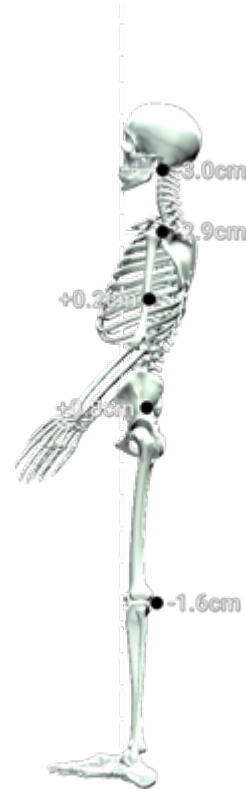
Standing Posture is a baseline postural assessment that can provide insight into an individual's structural balance, alignment, and postural strategy.

RESULTS

BALANCE SNAPSHOT



SIDETRAK POSTURAL DEVIATION (SAGITTAL PLANE/SIDE VIEW)



KEY RESULTS

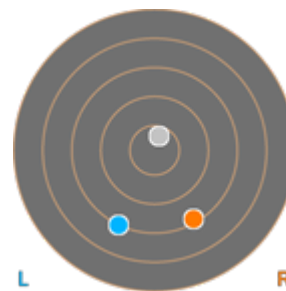
Neck lateral flexion 3.3° **Right** ▼

Trunk lateral flexion 0.7° **Left** ▼

Pelvis Lateral Tilt 1.2° **Left** ▼

Trunk Flexion 3.3° **Posterior**

SWAYTRAK MOVEMENT PATHS (KNEES AND CENTRE OF MASS)



PRACTITIONER COMMENTS



Single Leg Stand

Balance Assessment

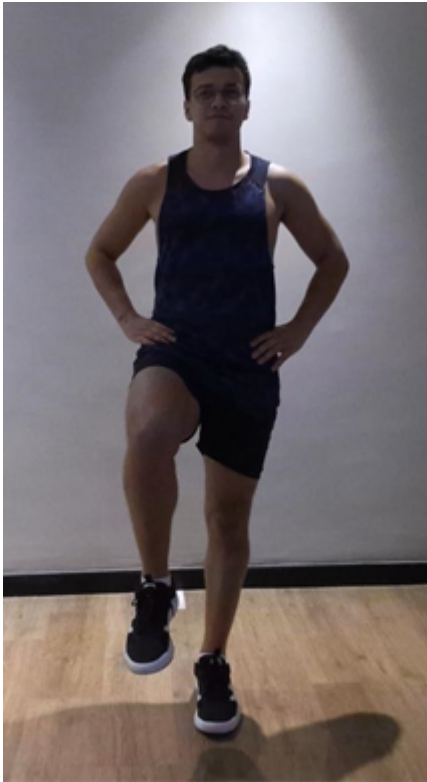
Standing balance over time is assessed while standing on one leg.

Eyes Open
Surface Stable
Time 10.0 s

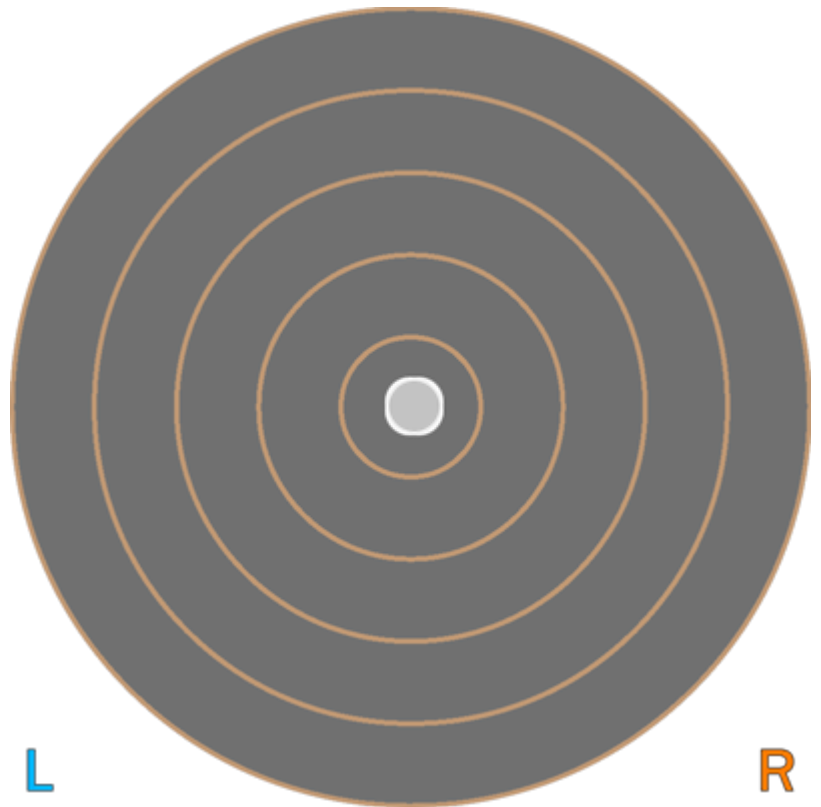
RESULTS

BALANCE RESULTS (LEFT)

SNAPSHOT – START OF TEST



CENTER OF MASS PATH



KEY METRICS

RESULTS

Ellipse Area

0.09 cm²

COM Path Length

9.29 cm

Range – ML

0.78 cm

Range – AP

2.23 cm

Pelvis Lateral Tilt

5.3° Left ▼

Trunk lateral flexion

3.4° 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

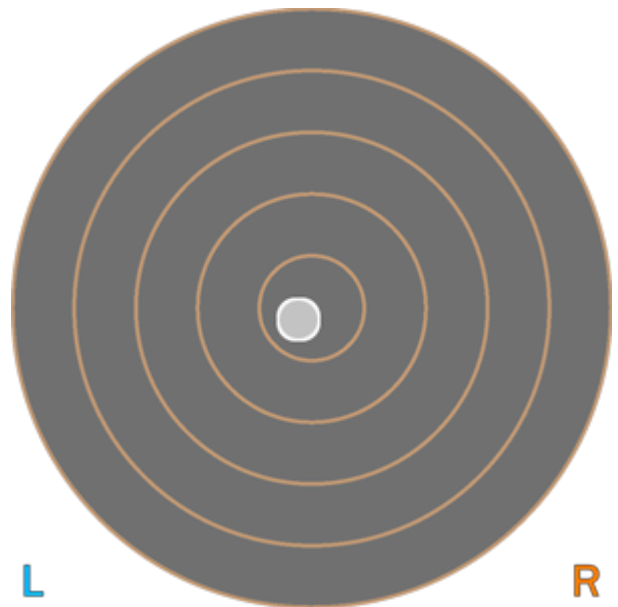
RESULTS

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

0.16 cm²

10.22 cm

1.64 cm

1.73 cm

8.5° Right ▼

2.8° Right ▼

PRACTITIONER COMMENTS




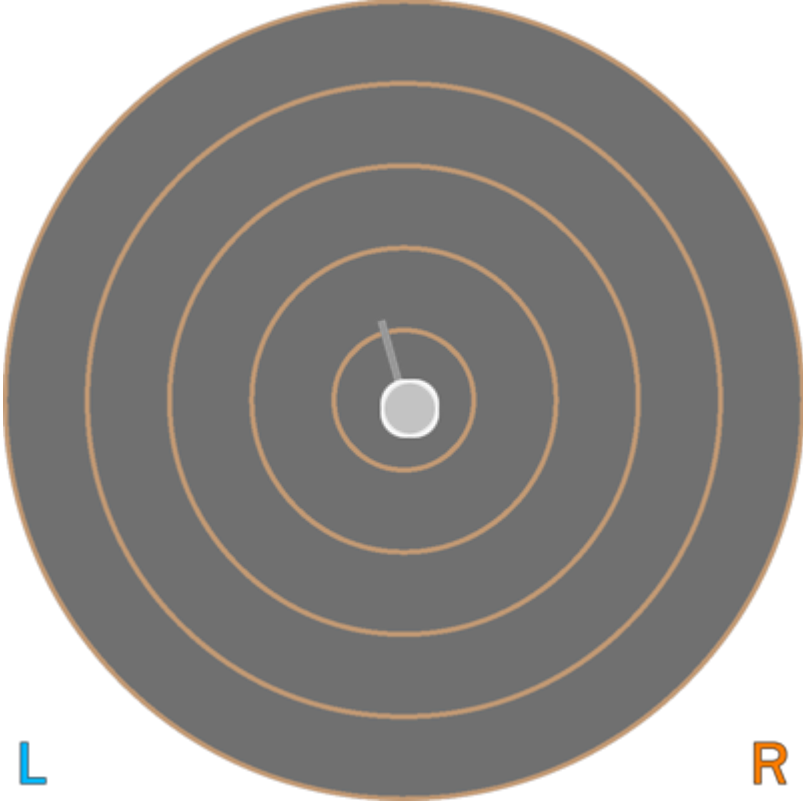
Tandem Stand

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	0.50 cm-2
COM Path Length	10.60 cm
Range – ML	2.17 cm
Range – AP	1.51 cm
Pelvis Lateral Tilt	1.5° Left ▼
Trunk lateral flexion	1.2° Left ▼
PRACTITIONER COMMENTS	




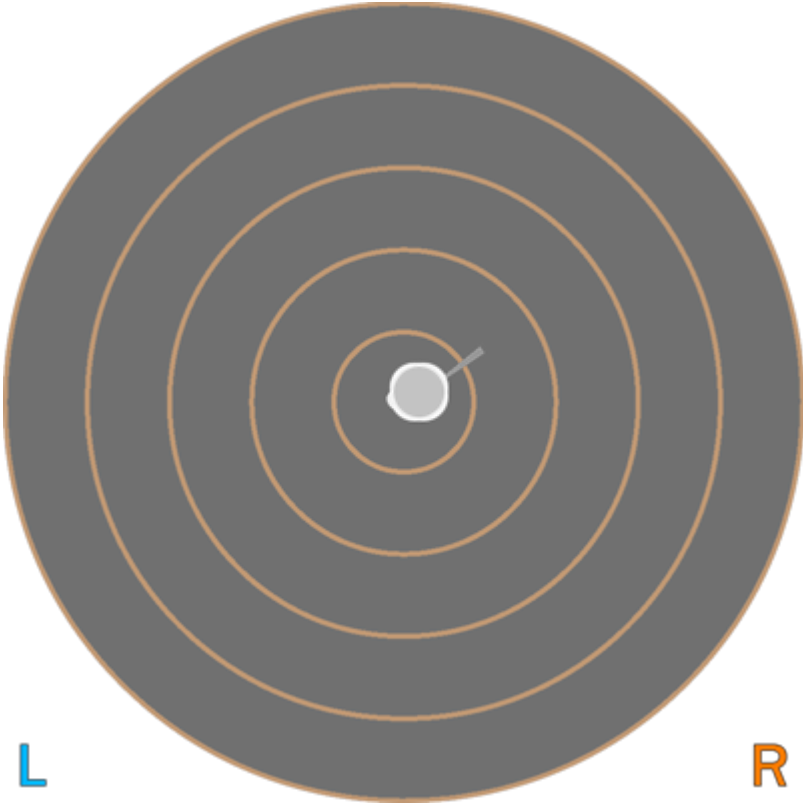
Tandem Stand

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	0.49 cm-2
COM Path Length	12.87 cm
Range – ML	2.87 cm
Range – AP	1.71 cm
Pelvis Lateral Tilt	0.1° Right ▼
Trunk lateral flexion	0.4° 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°	24.7°	8.1°	32.8°
Trunk Flexion	4.1° Posterior	1.5° Posterior	3.7° Posterior	N/A
Trunk lateral flexion	0.8°	1.5° Left ▼	0.6° Left ▼	N/A

PRACTITIONER COMMENTS



Cervical Spine Lateral Flexion

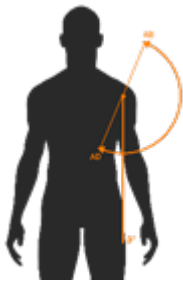
Range of Motion Assessment

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	21.0°	20.7°	+0.3°
Trunk Flexion	3.0° Posterior	3.0° Posterior	N/A
Trunk lateral flexion at Peak Flexion	4.3° Left ▼	0.6° Left ▼	+3.8°

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	1.3°	0.2°	+1.0°
Shoulder Abduction	179.7°	175.9°	+3.9°
Trunk lateral flexion at Peak Abduction	2.2° Right ▼	2.9° Left ▼	+0.7°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)



Shoulder Flexion/Extension

Range of Motion Assessment

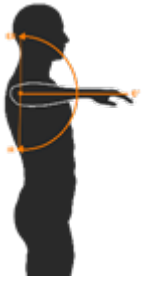
Shoulder Flexion/Extension is calculated by taking the angle created by the humerus (upper arm) relative to the line of the trunk in the sagittal plane (side view).

RESULTS

PEAK FLEXION		PEAK EXTENSION	
LEFT	RIGHT	LEFT	RIGHT
KEY RESULTS	LEFT	RIGHT	IMBALANCE
Shoulder Flexion	177.1°	169.0°	+8.0°
Shoulder Extension	45.6°	46.0°	+0.4°
Trunk lateral flexion at Peak Flexion	0.0° Right ▼	1.5° Left ▼	+1.4°

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	31.5°	29.2°	+2.3°
Shoulder External Rotation	100.3°	99.0°	+1.3°
Total ROM	131.8°	128.2°	+3.6°
Trunk lateral flexion at Peak Internal Rotation	0.0° Right ▼	2.0° Left ▼	+1.9°

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)	95.2°	96.0°	93.1°
Peak Knee Flexion (Right)	94.8°	96.7°	92.7°
Spine Tilt at Peak Knee Flexion	41.8° Anterior	42.6° Anterior	40.1° Anterior
Trunk lateral flexion at Peak Knee Flexion	0.4° Left ▼	1.0° Left ▼	0.2° Left ▼

PRACTITIONER COMMENTS

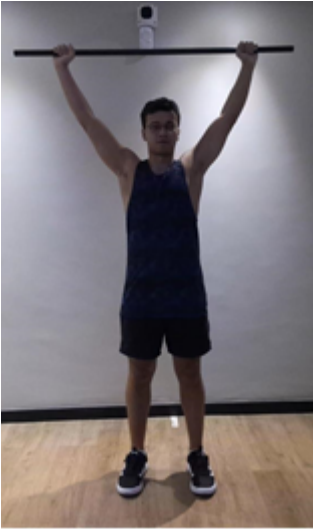
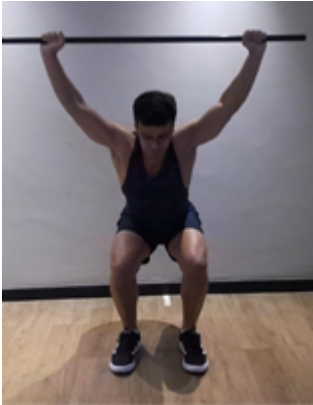




Overhead Squat

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)	104.9°	100.2°	96.9°
Peak Knee Flexion (Right)	104.7°	101.8°	98.8°
Trunk Flexion at Peak Knee Flexion	36.5° Anterior	35.0° Anterior	32.7° Anterior
Trunk lateral flexion at Peak Knee Flexion	3.7° Right ▼	0.3° Right ▼	0.9° Right ▼

PRACTITIONER COMMENTS



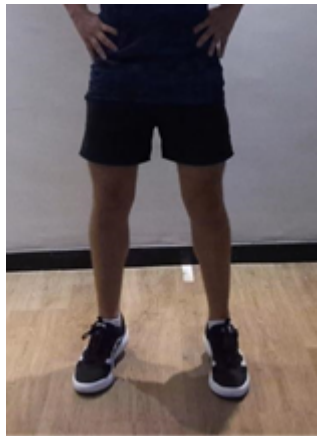
Countermovement Jump

Lower Body Dynamic Assessment

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

RESULTS

PEAK KNEE FLEXION after landing

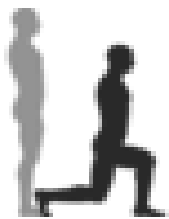


KEY METRICS (TORSO)

Jump Height	35.88 cm	
Peak Spine Tilt after landing	9.3° Anterior	
Peak Lateral Spine Tilt after landing	1.1° Right	
Peak Lateral Pelvic Tilt after landing	2.5° Right	

KEY METRICS (LEGS)	LEFT LEG	RIGHT LEG	ASYMMETRY
Peak Hip Flexion after landing	31.5°	28.6°	9.1%
Peak Knee Flexion after landing	47.4°	48.5°	2.4%
Peak Knee Valgus/Varus after landing	6° Varus	9.8° Varus	39%

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	85.5°	67.7°	20.7%
Peak Knee Flexion	107.6°	87.1°	19%
Peak Spine Lateral Tilt	0.4° Posterior	2.4° Anterior	N/A
Peak Pelvic Lateral Tilt	0.4° Right	2.2° Right	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.

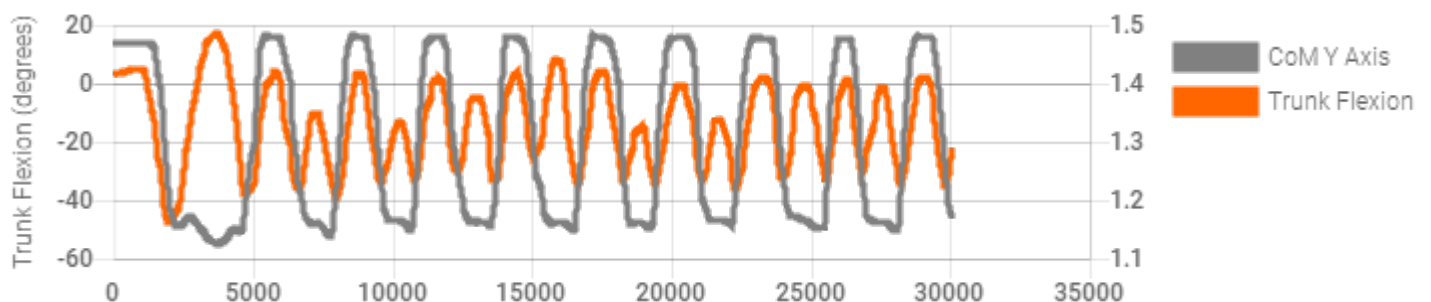
RESULTS

KEY RESULTS	OVERALL
Successful Repetitions	9
Peak Knee Extension	L 4.0° R 3.3°
Knee Displacement	L 6.2 cm R 12.4 cm
Peak Lateral Trunk Flexion	2.6° 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	1.1	1.1	1.1	1.0	1.0
Lateral Trunk Flexion	1.3° Right ▼	0.6° Right ▼	0.3° Right ▼	0.4° Right ▼	1.0° Left ▼
Knee Flexion	L 63.9° R 63.3°	L 66.5° R 65.6°	L 70.3° R 68.5°	L 65.4° R 64.2°	L 64.0° R 63.2°
Hip Flexion	L 85.2° R 84.9°	L 80.5° R 79.6°	L 88.0° R 86.3°	L 84.4° R 83.4°	L 81.0° R 79.8°
Trunk Flexion	1.3° Posterior	0.6° Posterior	0.3° Posterior	0.4° Posterior	1.0° Anterior







Drop Jump

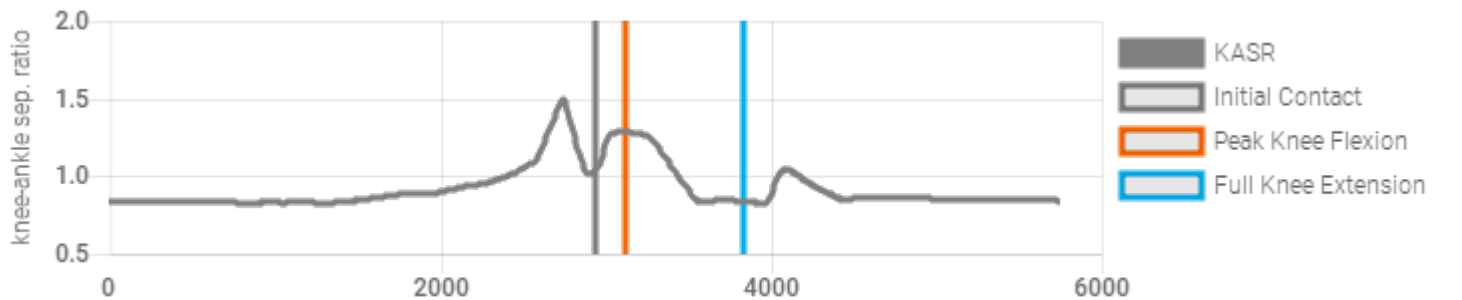
Lower Body Dynamic Assessment

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	1.0	1.3
Hip Flexion (Left)	53.2°	113.4°
Hip Flexion (Right)	51.2°	109.6°
Knee Flexion (Left)	57.5°	101.8°
Knee Flexion (Right)	62.4°	102.9°



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	98.3°	98.1°	93.5°
Knee Displacement (total)	27.3 cm	18.9 cm	14.3 cm
Peak Knee Valgus	3.5° Valgus	2.6° Valgus	2.3° Valgus
Peak Knee Varus	44.9° Varus	21.9° Varus	14° Varus
Trunk lateral flexion at Peak Knee Flexion	23.1° Left ▼	16.7° Left ▼	13.3° 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	100.6°	101.2°	97.4°
Knee Displacement (total)	29.3 cm	20.3 cm	21.9 cm
Peak Knee Valgus	0.7° Valgus	0.0°	0.5° Valgus
Peak Knee Varus	46.1° Varus	36.8° Varus	30.5° Varus
Trunk lateral flexion at Peak Knee Flexion	24.0° Right ▼	20.6° Right ▼	16.1° Right ▼

PRACTITIONER COMMENTS