

PROFILE ASSESSMENT

Giovanni Galera

19th January, 2024

PROFILE INFORMATION

NAME	Giovanni Galera
ORGANISATION	On Morumbi Clinica Medica
DATE OF BIRTH	26 th January, 2001
GENDER	Male
HEIGHT	179cm / 70in
WEIGHT	66kg / 145lb
AGE	22



Standing Posture

Posture and Stability Assessment

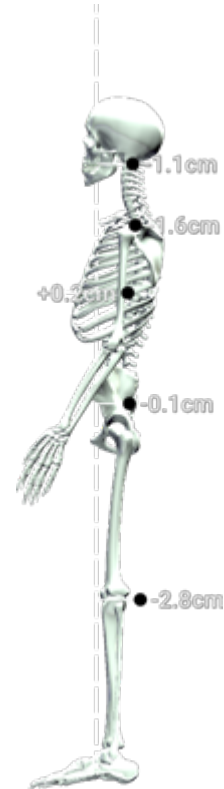
Standing Posture is a baseline postural assessment that can provide insight into an individual's structural balance, alignment, and postural strategy.

RESULTS

BALANCE SNAPSHOT



SIDETRAK POSTURAL DEVIATION (SAGITTAL PLANE/SIDE VIEW)



KEY RESULTS

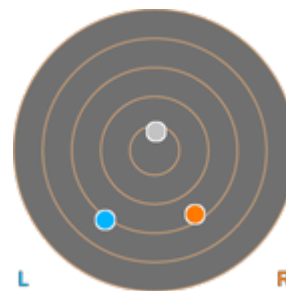
Neck lateral flexion 0.0° Left ▼

Trunk lateral flexion 0.8° Left ▼

Pelvis Lateral Tilt 0.1° Right ▼

Trunk Flexion 0.0° Anterior

SWAYTRAK MOVEMENT PATHS (KNEES AND CENTRE OF MASS)



PRACTITIONER COMMENTS

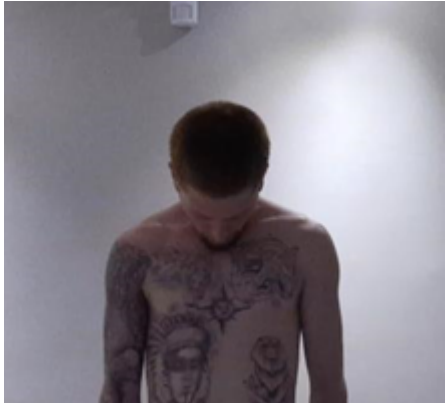



Cervical Spine Flexion/Extension

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°	35.9°	14.9°	50.8°
Trunk Flexion	3.4° Posterior	2.3° Anterior	12.2° Posterior	N/A
Trunk lateral flexion	0.6°	0.6° Left ▼	0.2° Left ▼	N/A

PRACTITIONER COMMENTS





Cervical Spine Lateral Flexion

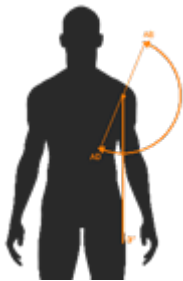
Range of Motion Assessment

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	27.2°	29.0°	+1.8°
Trunk Flexion	4.6° Posterior	2.3° Posterior	N/A
Trunk lateral flexion at Peak Flexion	5.5° Left ▼	5.3° Right ▼	+0.2°

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	89.1°	74.0°	+15.1°
Shoulder Abduction	187.9°	178.9°	+9.0°
Trunk lateral flexion at Peak Abduction	1.1° Right ▼	2.2° Left ▼	+1.1°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)


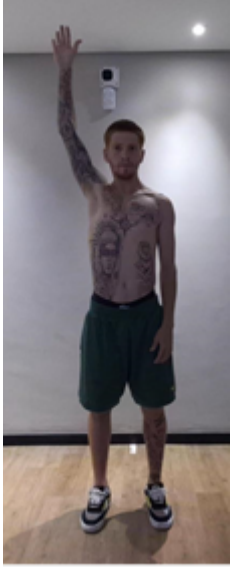

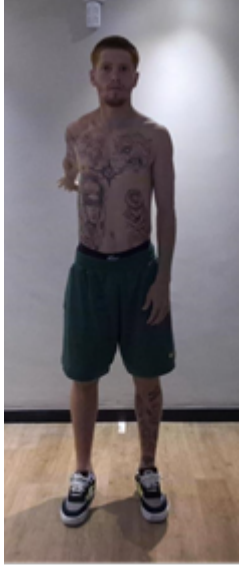


Shoulder Flexion/Extension

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	171.0°	179.7°	+8.7°
Shoulder Extension	65.4°	67.0°	+1.6°
Trunk lateral flexion at Peak Flexion	1.0° Right ▼	0.4° Left ▼	+0.6°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)



Shoulder Internal/External Rotation

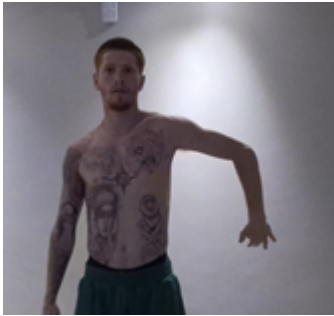
Range of Motion Assessment

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

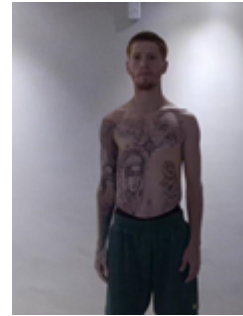
RESULTS

PEAK INTERNAL ROTATION

LEFT

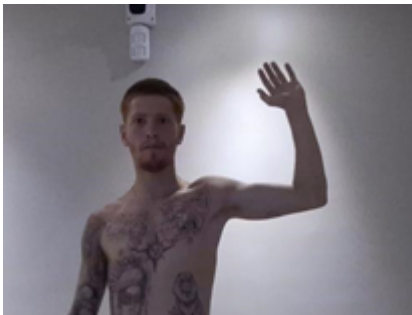


RIGHT

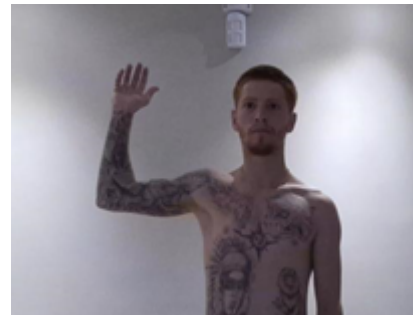


PEAK EXTERNAL ROTATION

LEFT



RIGHT



KEY RESULTS

LEFT

RIGHT

IMBALANCE

Shoulder Internal Rotation

97.5°

75.1°

+22.3°

Shoulder External Rotation

87.8°

86.9°

+0.8°

Total ROM

185.2°

162.1°

+23.2°

Trunk lateral flexion
at Peak Internal Rotation

1.8° Right ▼

0.4° Left ▼

+1.3°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)



Hip Internal/External Rotation

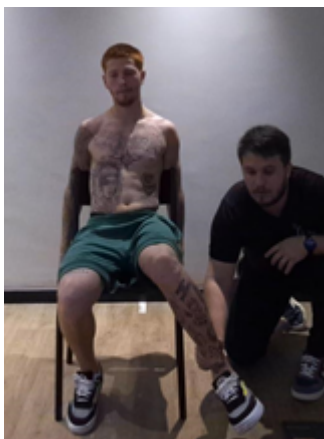
Range of Motion Assessment

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.

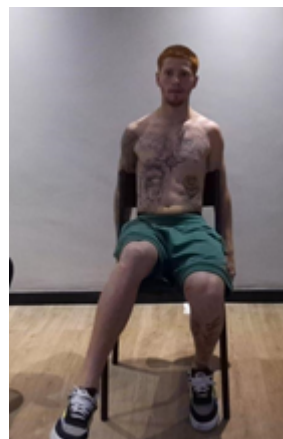
RESULTS

PEAK INTERNAL ROTATION

LEFT



RIGHT

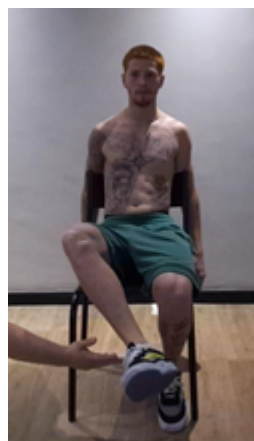


PEAK EXTERNAL ROTATION

LEFT



RIGHT



KEY RESULTS

LEFT

RIGHT

IMBALANCE

Peak Internal Rotation

26.2°

23.3°

+2.9°

Peak External Rotation

37.6°

46.9°

+9.3°

Total ROM

63.8°

70.1°

+6.3°

PRACTITIONER COMMENTS (**LEFT**)

PRACTITIONER COMMENTS (**RIGHT**)



Single Leg Stand

Balance Assessment

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

Eyes Open
Surface Stable
Time 10.0 s

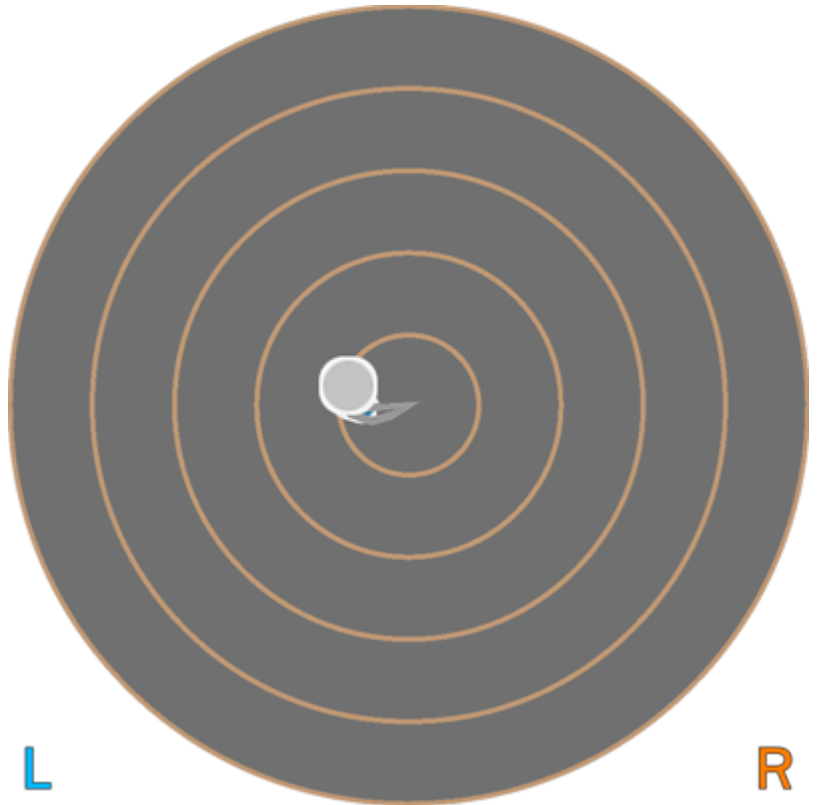
RESULTS

BALANCE RESULTS (LEFT)

SNAPSHOT – START OF TEST



CENTER OF MASS PATH



KEY METRICS

RESULTS

Ellipse Area

0.58 cm²

COM Path Length

16.98 cm

Range – ML

3.92 cm

Range – AP

3.74 cm

Pelvis Lateral Tilt

10.7° Left ▼

Trunk lateral flexion

6.8° Left ▼

PRACTITIONER COMMENTS




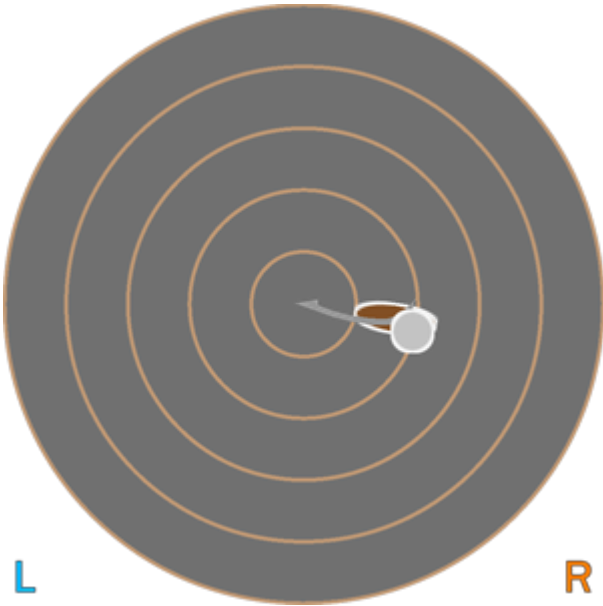
Single Leg Stand

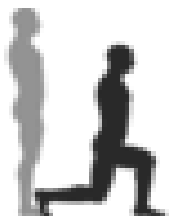
Balance Assessment

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	RESULTS
Ellipse Area	3.91 cm-2
COM Path Length	30.28 cm
Range – ML	10.95 cm
Range – AP	3.67 cm
Pelvis Lateral Tilt	9.5° Right ▼
Trunk lateral flexion	6.0° Right ▼
PRACTITIONER COMMENTS	



Lunge

Lower Body Dynamic Assessment

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

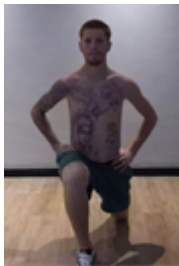
RESULTS

PEAK KNEE FLEXION

LEFT



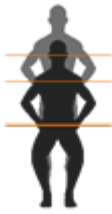
RIGHT



KEY METRICS	LEFT LEG	RIGHT LEG	ASYMMETRY
Peak Hip Flexion	52.1°	72.5°	28.2%
Peak Knee Flexion	76.1°	89.6°	15%
Peak Spine Lateral Tilt	1.2° Posterior	0.6° Posterior	N/A
Peak Pelvic Lateral Tilt	1.9° Right	0.2° Right	N/A

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)	129.1°	132.4°	128.8°
Peak Knee Flexion (Right)	124.6°	126.9°	124.9°
Spine Tilt at Peak Knee Flexion	34.4° Anterior	37.8° Anterior	33.4° Anterior
Trunk lateral flexion at Peak Knee Flexion	2.8° Right ▼	2.9° Right ▼	1.2° Right ▼

PRACTITIONER COMMENTS



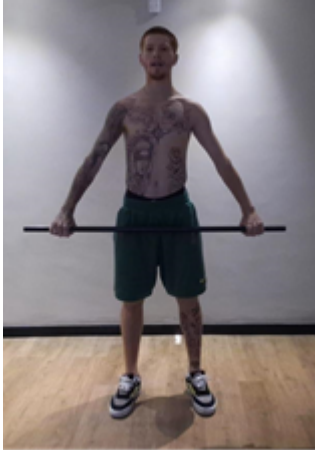
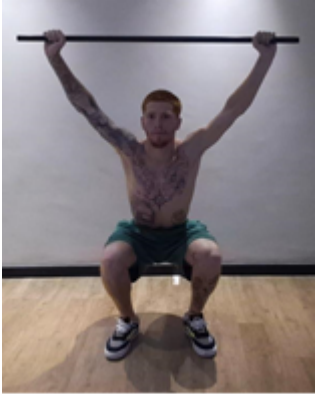


Overhead Squat

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

Peak Knee Flexion (**Left**)

132.6°

128.3°

139.1°

Peak Knee Flexion (**Right**)

130.1°

123.8°

134.1°

Trunk Flexion
at Peak Knee Flexion

22.7° Anterior

23.2° Anterior

21.7° Anterior

Trunk lateral flexion
at Peak Knee Flexion

1.6° **Left** ▼

1.8° **Left** ▼

0.5° **Left** ▼

PRACTITIONER COMMENTS



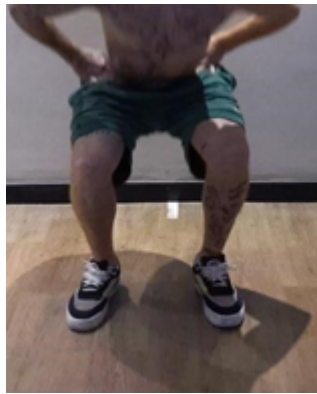
Countermovement Jump

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 53.81 cm

Peak Spine Tilt after landing 40.7° Anterior

Peak Lateral Spine Tilt after landing 9.5° Left

Peak Lateral Pelvic Tilt after landing 3.4° Right

KEY METRICS (LEGS)

LEFT LEG

RIGHT LEG

ASYMMETRY

Peak Hip Flexion after landing 101.8° 100.6° 1.2%

Peak Knee Flexion after landing 106.3° 103.1° 3%

Peak Knee Valgus/Varus after landing 62.1° Varus 26.4° Varus 57.5%

PRACTITIONER COMMENTS





Drop Jump

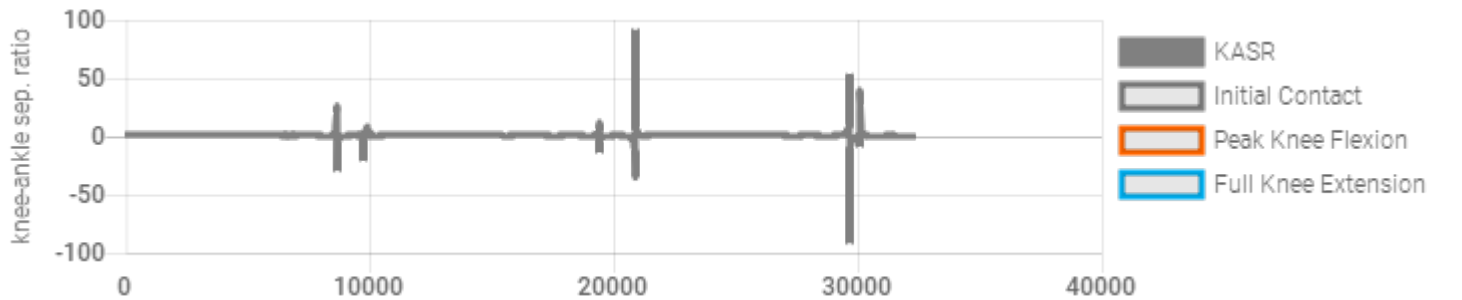
Lower Body Dynamic Assessment

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	1.0	1.2
Hip Flexion (Left)	44.5°	97.4°
Hip Flexion (Right)	46.6°	98.3°
Knee Flexion (Left)	51.8°	109.3°
Knee Flexion (Right)	50.3°	110.1°



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	111.3°	114.4°	120.6°
Knee Displacement (total)	21.3 cm	18.8 cm	20.9 cm
Peak Knee Valgus	0.0°	0.0°	162.2° Valgus
Peak Knee Varus	26.8° Varus	34.6° Varus	23° Varus
Trunk lateral flexion at Peak Knee Flexion	12.6° Left ▼	11.9° Left ▼	9.4° 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	109.4°	123.0°	121.5°
Knee Displacement (total)	17.8 cm	18.2 cm	21.1 cm
Peak Knee Valgus	13.4° Valgus	75.5° Valgus	54.9° Valgus
Peak Knee Varus	4.4° Varus	8.3° Varus	8.1° Varus
Trunk lateral flexion at Peak Knee Flexion	5.9° Right ▼	5.3° Right ▼	5.6° Right ▼

PRACTITIONER COMMENTS