

PROFILE ASSESSMENT

Victor Kietzmann

31st January, 2024

PROFILE INFORMATION

NAME	Victor Kietzmann
ORGANISATION	On Morumbi Clinica Medica
DATE OF BIRTH	4 th January, 1978
GENDER	Male
HEIGHT	184cm / 72in
WEIGHT	106kg / 233lb
AGE	46



Standing Posture

Posture and Stability Assessment

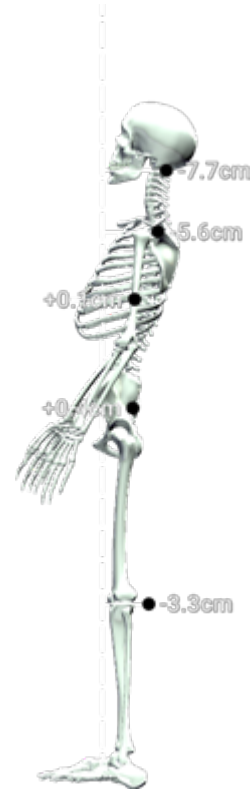
Standing Posture is a baseline postural assessment that can provide insight into an individual's structural balance, alignment, and postural strategy.

RESULTS

BALANCE SNAPSHOT



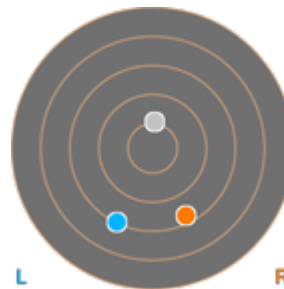
SIDETRAK POSTURAL DEVIATION (SAGITTAL PLANE/SIDE VIEW)



KEY RESULTS

Neck lateral flexion	2.8° Right ▼
Trunk lateral flexion	0.4° Left ▼
Pelvis Lateral Tilt	0.9° Left ▼
Trunk Flexion	2.8° Posterior

SWAYTRAK MOVEMENT PATHS (KNEES AND CENTRE OF MASS)



PRACTITIONER COMMENTS


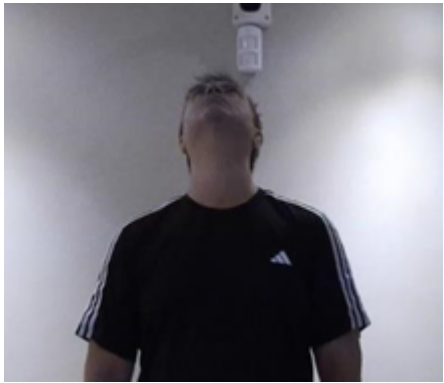


Cervical Spine Flexion/Extension

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°	0.8°	36.7°
Trunk Flexion	5.9° Posterior	1.3° Posterior	4.4° Posterior	N/A
Trunk lateral flexion	0.1°	0.2° Left ▼	0.6° Right ▼	N/A

PRACTITIONER COMMENTS



Cervical Spine Lateral Flexion

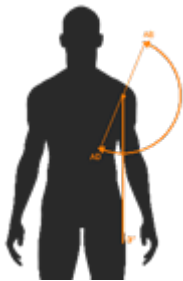
Range of Motion Assessment

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	15.4°	22.7°	+7.4°
Trunk Flexion	4.0° Posterior	4.6° Posterior	N/A
Trunk lateral flexion at Peak Flexion	4.8° Left ▼	1.9° Right ▼	+2.8°

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	6.3°	14.2°	+7.9°
Shoulder Abduction	195.0°	179.6°	+15.4°
Trunk lateral flexion at Peak Abduction	0.3° Right ▼	1.9° Left ▼	+1.6°

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	199.3°	203.2°	+3.9°
Shoulder Extension	49.0°	37.1°	+11.9°
Trunk lateral flexion at Peak Flexion	1.4° Right ▼	2.3° Left ▼	+0.9°

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

68.3°

50.8°

+17.5°

Shoulder External Rotation

105.3°

105.3°

+0.1°

Total ROM

173.5°

156.1°

+17.4°

Trunk lateral flexion
at Peak Internal Rotation

1.4° Right ▼

3.9° Left ▼

+2.5°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)



Hip Internal/External Rotation

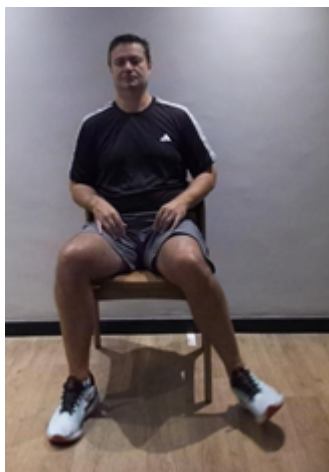
Range of Motion Assessment

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.

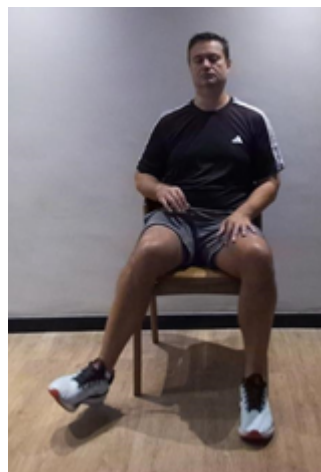
RESULTS

PEAK INTERNAL ROTATION

LEFT

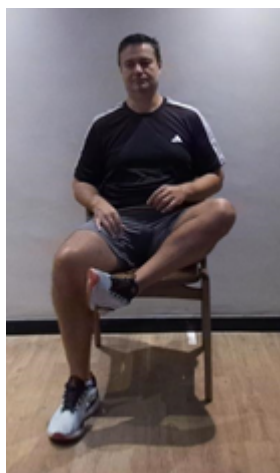


RIGHT



PEAK EXTERNAL ROTATION

LEFT



RIGHT



KEY RESULTS

LEFT

RIGHT

IMBALANCE

Peak Internal Rotation

27.3°

20.4°

+6.9°

Peak External Rotation

57.0°

54.5°

+2.5°

Total ROM

84.3°

74.8°

+9.4°

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

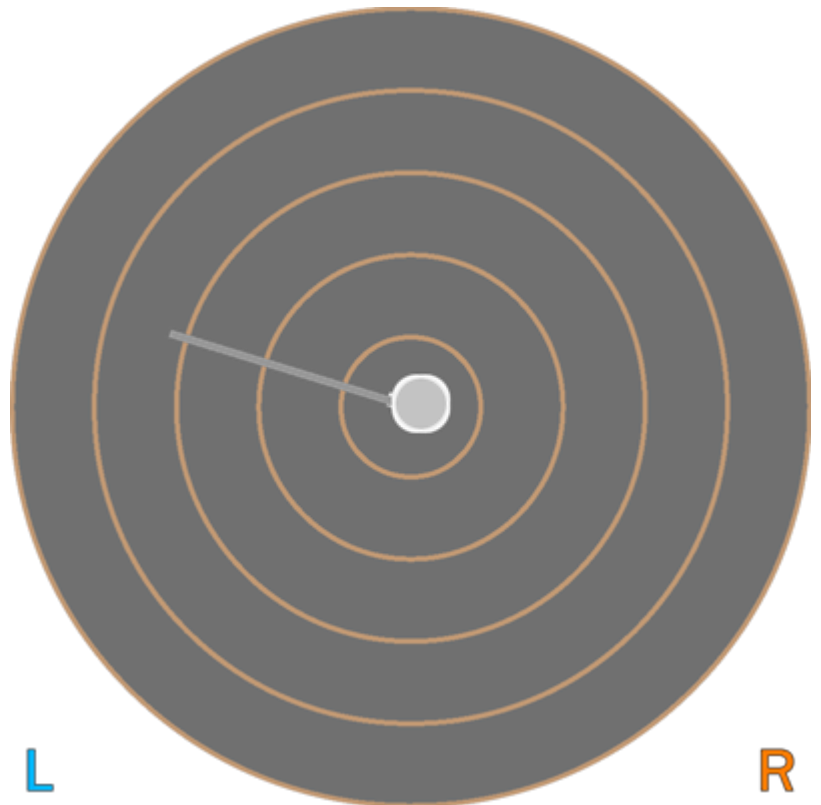
RESULTS

BALANCE RESULTS (LEFT)

SNAPSHOT – START OF TEST



CENTER OF MASS PATH



KEY METRICS

RESULTS

Ellipse Area

0.60 cm²

COM Path Length

25.25 cm

Range – ML

1.56 cm

Range – AP

1.49 cm

Pelvis Lateral Tilt

8.4° Left ▼

Trunk lateral flexion

6.2° Left ▼

PRACTITIONER COMMENTS




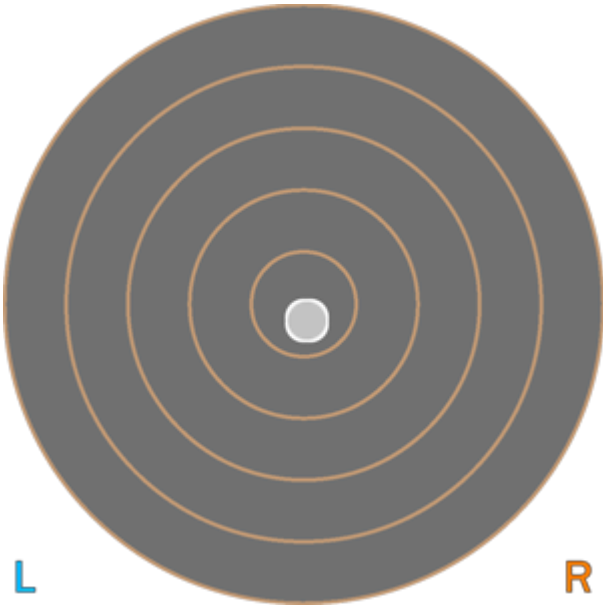
Single Leg Stand

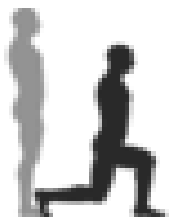
Balance Assessment

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	0.86 cm-2
COM Path Length	21.12 cm
Range – ML	2.03 cm
Range – AP	2.90 cm
Pelvis Lateral Tilt	4.8° Right ▼
Trunk lateral flexion	3.6° 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	108.1°	108.6°	0.5%
Peak Knee Flexion	118.0°	112.3°	4.8%
Peak Spine Lateral Tilt	0.7° Anterior	0.2° Anterior	N/A
Peak Pelvic Lateral Tilt	1.6° Left	0.1° Left	N/A

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)


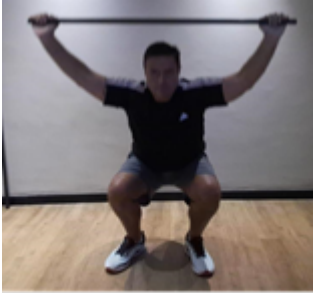




Overhead Squat

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)	134.3°	139.6°	137.3°
Peak Knee Flexion (Right)	130.7°	134.9°	135.3°
Trunk Flexion at Peak Knee Flexion	34.7° Anterior	33.3° Anterior	32.4° Anterior
Trunk lateral flexion at Peak Knee Flexion	2.7° Right ▼	2.5° Right ▼	2.8° Right ▼
PRACTITIONER COMMENTS			



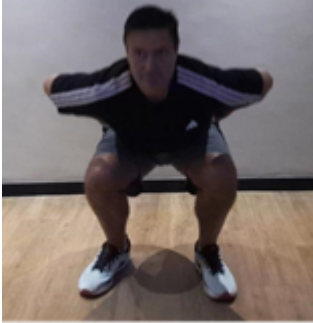
Squat

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)	125.9°	134.6°	132.4°
Peak Knee Flexion (Right)	127.7°	132.3°	135.2°
Spine Tilt at Peak Knee Flexion	52.3° Anterior	49.0° Anterior	48.8° Anterior
Trunk lateral flexion at Peak Knee Flexion	6.9° Right ▼	6.2° Right ▼	5.7° 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 27.91 cm

Peak Spine Tilt after landing 7.5° Anterior

Peak Lateral Spine Tilt after landing 0.7° Right

Peak Lateral Pelvic Tilt after landing 1.9° Right

KEY METRICS (LEGS)

LEFT LEG

RIGHT LEG

ASYMMETRY

Peak Hip Flexion after landing 39.2° 38.3° 2.2%

Peak Knee Flexion after landing 58.9° 61.1° 3.5%

Peak Knee Valgus/Varus after landing 8.1° Varus 13.6° Varus 40.6%

PRACTITIONER COMMENTS





Drop Jump

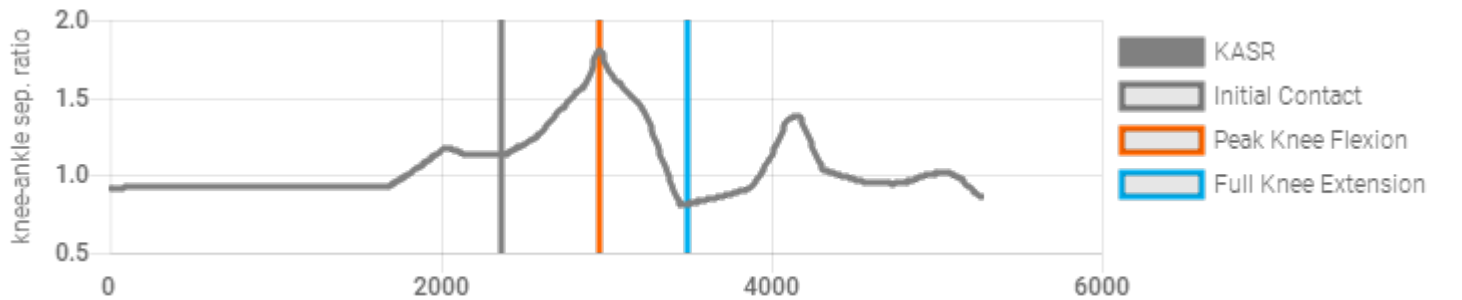
Lower Body Dynamic Assessment

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	1.8
Hip Flexion (Left)	43.2°	109.0°
Hip Flexion (Right)	28.7°	113.7°
Knee Flexion (Left)	60.0°	138.6°
Knee Flexion (Right)	17.2°	134.4°



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	66.0°	69.3°	69.1°
Knee Displacement (total)	30.5 cm	12.8 cm	15.1 cm
Peak Knee Valgus	2.8° Valgus	7.2° Valgus	6.4° Valgus
Peak Knee Varus	7.2° Varus	1.9° Varus	3.1° Varus
Trunk lateral flexion at Peak Knee Flexion	4.2° Left ▼	0.2° Left ▼	1.1° 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	63.1°	66.2°	73.0°
Knee Displacement (total)	14.4 cm	9.6 cm	19.9 cm
Peak Knee Valgus	2.1° Valgus	6.7° Valgus	5.1° Valgus
Peak Knee Varus	5.4° Varus	1.8° Varus	5.5° Varus
Trunk lateral flexion at Peak Knee Flexion	4.0° Right ▼	0.9° Left ▼	7.4° Right ▼

PRACTITIONER COMMENTS