

PROFILE ASSESSMENT

Joao Tavares Kietzmann

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PROFILE INFORMATION

NAME	Joao Tavares Kietzmann
ORGANISATION	On Morumbi Clinica Medica
DATE OF BIRTH	31 st August, 2012
GENDER	Male
HEIGHT	152cm / 59in
WEIGHT	35kg / 77lb
AGE	11



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)	
<div></div>			
KEY RESULTS		SWAYTRAK MOVEMENT PATHS (KNEES AND CENTRE OF MASS)	
Neck lateral flexion	1.9° Right ▼		
Trunk lateral flexion	0.7° Right ▼		
Pelvis Lateral Tilt	0.6° Right ▼		
Trunk Flexion	1.9° Posterior		

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	2.79 cm-2
COM Path Length	21.12 cm
Range – ML	1.63 cm
Range – AP	4.13 cm
Pelvis Lateral Tilt	4.1° Left ▼
Trunk lateral flexion	2.7° 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	1.24 cm-2
COM Path Length	17.38 cm
Range – ML	1.79 cm
Range – AP	2.70 cm
Pelvis Lateral Tilt	5.7° Right ▼
Trunk lateral flexion	2.7° 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	1.24 cm-2
COM Path Length	18.54 cm
Range – ML	3.21 cm
Range – AP	4.69 cm
Pelvis Lateral Tilt	1.0° Right ▼
Trunk lateral flexion	0.6° 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	0.62 cm-2
COM Path Length	14.57 cm
Range – ML	3.12 cm
Range – AP	2.34 cm
Pelvis Lateral Tilt	1.2° 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°	24.9°	6.7°	31.6°
Trunk Flexion	4.9° Posterior	0.9° Posterior	11.4° Posterior	N/A
Trunk lateral flexion	0.6°	0.8° Left ▼	1.3° 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	17.7°	19.1°	+1.5°
Trunk Flexion	7.6° Posterior	6.2° Posterior	N/A
Trunk lateral flexion at Peak Flexion	2.0° Left ▼	4.5° Right ▼	+2.6°

PRACTITIONER COMMENTS



Drop Jump

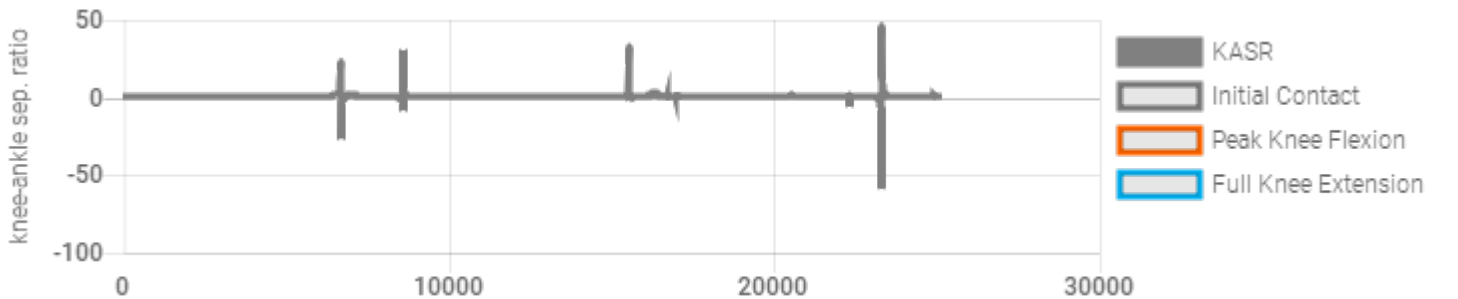
Lower Body Dynamic Assessment

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	1.3
Hip Flexion (Left)	25.2°	38.9°
Hip Flexion (Right)	23.4°	39.4°
Knee Flexion (Left)	36.3°	54.9°
Knee Flexion (Right)	35.7°	55.8°



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		29.63 cm	
Peak Spine Tilt after landing	3.8° Anterior		
Peak Lateral Spine Tilt after landing	1.1° Right		
Peak Lateral Pelvic Tilt after landing	2.9° Right		
KEY METRICS (LEGS)	LEFT LEG	RIGHT LEG	ASYMMETRY
Peak Hip Flexion after landing	32.4°	30.9°	4.8%
Peak Knee Flexion after landing	51.4°	50.1°	2.5%
Peak Knee Valgus/Varus after landing	8.7° Varus	9.1° Varus	3.5%

PRACTITIONER COMMENTS



Overhead Squat

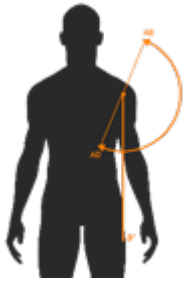
Lower Body Dynamic Assessment

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)	127.1°	124.7°	131.7°
Peak Knee Flexion (Right)	125.2°	126.6°	127.8°
Trunk Flexion at Peak Knee Flexion	22.8° Anterior	23.7° Anterior	23.1° Anterior
Trunk lateral flexion at Peak Knee Flexion	4.6° Left ▼	0.5° Right ▼	0.1° Right ▼

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
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KEY RESULTS	LEFT	RIGHT	IMBALANCE
Shoulder Adduction	89.1°	81.5°	+7.6°
Shoulder Abduction	197.5°	179.2°	+18.3°
Trunk lateral flexion at Peak Abduction	8.2° Right ▼	1.6° Left ▼	+6.5°

PRACTITIONER COMMENTS (LEFT)

PRACTITIONER COMMENTS (RIGHT)



Shoulder Flexion/Extension

Range of Motion Assessment

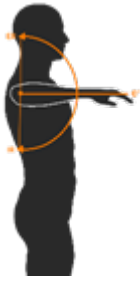
Shoulder Flexion/Extension is calculated by taking the angle created by the humerus (upper arm) relative to the line of the trunk in the sagittal plane (side view).

RESULTS

PEAK FLEXION		PEAK EXTENSION	
LEFT	RIGHT	LEFT	RIGHT
KEY RESULTS	LEFT	RIGHT	IMBALANCE
Shoulder Flexion	206.2°	190.9°	+15.2°
Shoulder Extension	67.2°	78.6°	+11.4°
Trunk lateral flexion at Peak Flexion	4.0° Right ▼	6.5° Left ▼	+2.5°

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

95.8°

63.2°

+32.6°

Shoulder External Rotation

94.3°

87.3°

+7.0°

Total ROM

190.1°

150.5°

+39.6°

Trunk lateral flexion
at Peak Internal Rotation

2.6° Right ▼

2.7° Left ▼

+0.1°

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	71.6°	74.7°	66.0°
Knee Displacement (total)	15.6 cm	23.5 cm	20.2 cm
Peak Knee Valgus	1.6° Valgus	9.7° Valgus	0.1° Valgus
Peak Knee Varus	11.9° Varus	11.1° Varus	17.8° Varus
Trunk lateral flexion at Peak Knee Flexion	8.2° Left ▼	5.7° Left ▼	16.3° 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	73.5°	71.0°	72.7°
Knee Displacement (total)	10.5 cm	15.7 cm	29.6 cm
Peak Knee Valgus	18.8° Valgus	7.8° Valgus	13.9° Valgus
Peak Knee Varus	0.8° Varus	14.2° Varus	7° Varus
Trunk lateral flexion at Peak Knee Flexion	2.9° Left ▼	3.2° Right ▼	5.1° Right ▼

PRACTITIONER COMMENTS



30 Second Sit To Stand

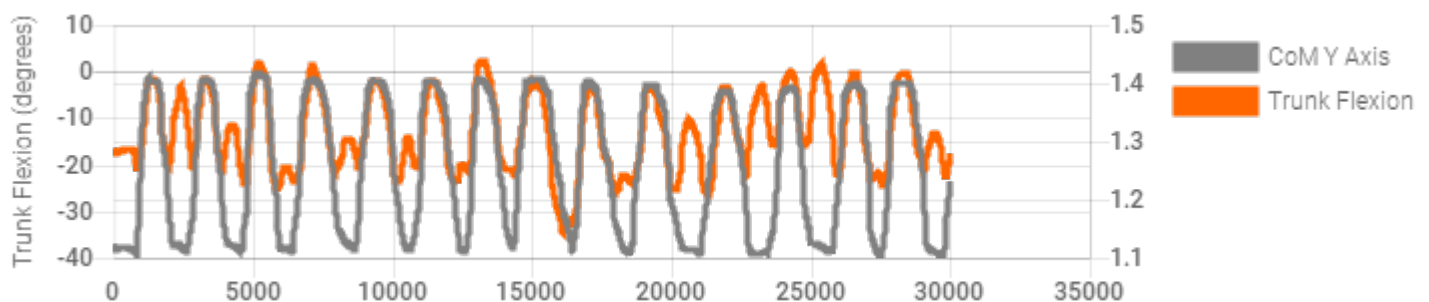
Lower Body Dynamic Assessment

30 Second Sit To Stand is an assessment that provides information on function leg power and strength of participants.

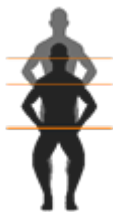
RESULTS

KEY RESULTS	OVERALL
Successful Repetitions	14
Peak Knee Extension	L 11.1° R 4.5°
Knee Displacement	L 11.5 cm R 8.2 cm
Peak Lateral Trunk Flexion	3.2° Left ▼

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	1.4	1.4	1.2	1.2	1.3
Lateral Trunk Flexion	0.1° Right ▼	0.6° Left ▼	0.8° Left ▼	1.0° Right ▼	1.9° Left ▼
Knee Flexion	L 68.9° R 64.6°	L 71.3° R 65.3°	L 71.2° R 68.5°	L 72.5° R 66.6°	L 76.9° R 72.8°
Hip Flexion	L 72.6° R 69.5°	L 71.7° R 69.2°	L 73.1° R 77.0°	L 64.8° R 66.5°	L 68.6° R 73.9°
Trunk Flexion	0.1° Posterior	0.6° Anterior	0.8° Anterior	1.0° Posterior	1.9° Anterior



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)	123.0°	117.7°	146.4°
Peak Knee Flexion (Right)	122.7°	117.6°	137.1°
Spine Tilt at Peak Knee Flexion	39.6° Anterior	22.3° Anterior	37.1° Anterior
Trunk lateral flexion at Peak Knee Flexion	0.7° Right ▼	1.0° Right ▼	3.0° Right ▼

PRACTITIONER COMMENTS