



\*Update clinic name\*

Dr. Clinical Research ,  
Ph : 9398772387



Session Date: May 24 2023, Wed, 8:53 AM    Session no: 2    Session Duration: 5m:15s    Start Session: 03/05/2023    Last Session: May 03 2023



Ms. P.Sudha Madhavi, 46/F

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9980111933

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a@gmail.com

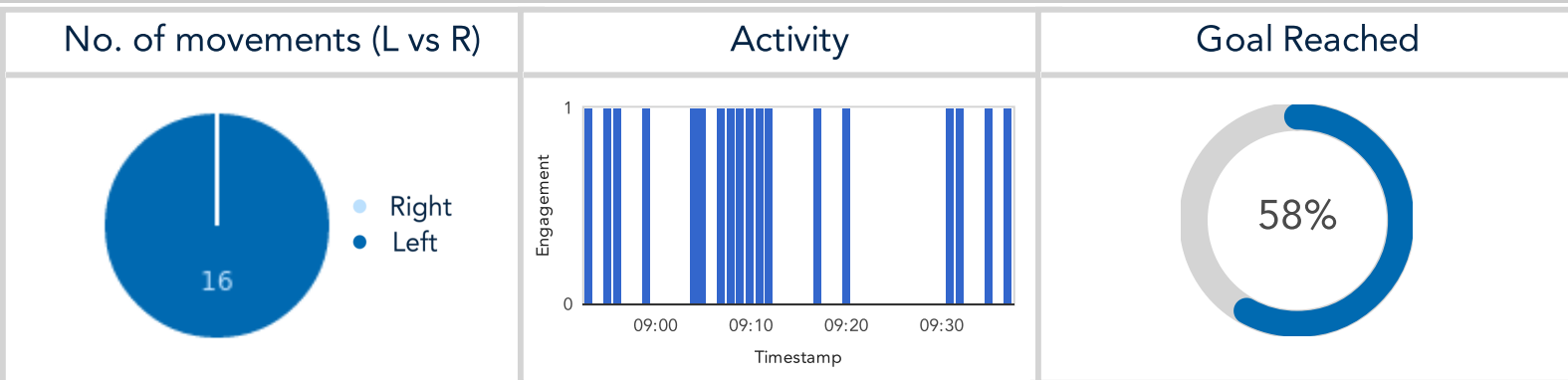
Condition:  
TKR

Speciality:  
Ortho

Affected side:  
Bi-Lateral

Medical History:  
Others

Patient ID: 1 20230503034954



## Report Details

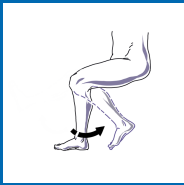
No.	Joint	Movement	Muscle	Side	EMG (uV)	ROM (°)
1	Knee	Flexion	Rectus Femoris	Right	17uV	14°
2	Knee	Extension	Vastus Medialis	Right	30uV ↑ 12uV	44° ↓ 27°
3	Knee	Flexion	Popliteus	Right	43uV	27°
4	Ankle	Dorsiflexion	Tibialis Anterior	Right	204uV ↑ 175uV	52° ↑ 13°
5	Knee	Flexion	Rectus Femoris	Left	83uV ↑ 37uV	37° ↓ 70°
6	Knee	Extension	Vastus Medialis	Left	67uV ↑ 13uV	38° ↓ 54°
7	Knee	Flexion	Popliteus	Left	41uV ↑ 29uV	47° ↓ 36°
8	Ankle	Dorsiflexion	Tibialis Anterior	Left	634uV ↑ 468uV	61° ↑ 16°
9	Ankle	Dorsiflexion	Tibialis Anterior	Left	791uV ↑ 625uV	35° ↓ 10°
10	Hip	Extension	Biceps Femoris	Right	31uV ↑ 11uV	81° ↑ 44°
11	Hip	Flexion	Biceps Femoris	Left	10uV	79°
12	Hip	Flexion	Gluteus Maximus	Right	209uV	51°
13	Hip	Abduction	Gluteus Medius	Right	806uV ↑ 781uV	32° ↓ 1°

No.	Joint	Movement	Muscle	Side	EMG (uV)	ROM (°)
14	Hip	Abduction	Gluteus Medius	Right	369uV	13°
15	Hip	Extension	Gluteus Maximus	Left	230uV <span style="color: green;">↑</span> 212uV	66° <span style="color: red;">↓</span> 5°
16	Hip	Abduction	Gluteus Medius	Left	184uV	34°

## Report Summary

For Knee joint Extension movement, The joint mobility of Right side decreased from 50% to 31% of healthy ROM in 21 days. The EMG of Right side increased from 18uV to 30uV in 21 days. The EMG of Right side is weaker than its reference side. The current ROM of Left side is weaker than its reference side.

For Ankle joint Dorsiflexion movement, The joint mobility of Right side decreased from healthy to 70% of healthy ROM in 21 days. The EMG of Right side increased from 29uV to 204uV in 21 days. The EMG of Right side is weaker than its reference side. The current ROM of Left side is weaker than its reference side.



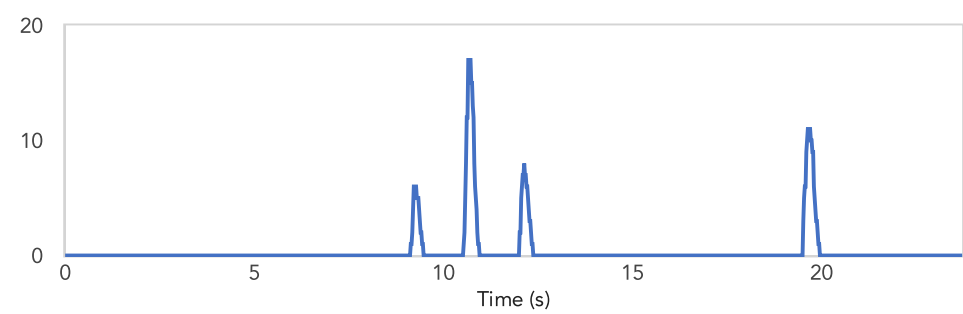
Right Knee Flexion  
Rectus Femoris

Sit

Session Recording: 1

Total Time 00m: 24s

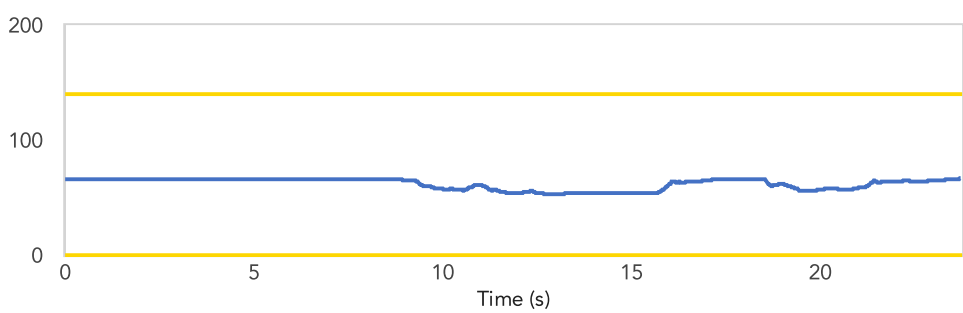
EMG (uV)



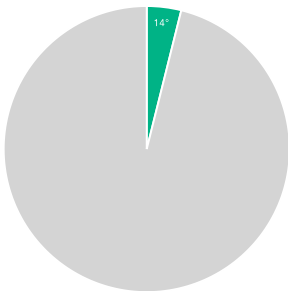
EMG Details

Time Recorded	24s
Avg Max EMG	14uV
Max EMG	17uV

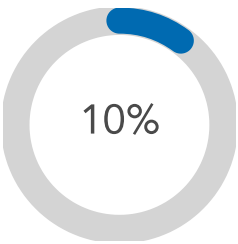
Range of Motion (°)



ROM Details



Goal Reached

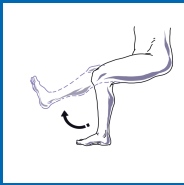


Consistency	★★★★★
Control	★★★★☆
Smoothness	★★★★☆
Co-Ordination	★★★★★

Time Recorded	24s
Range Gained	14°
Initial ROM	53°
Final ROM	67°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	1
Rep Speed	0.08reps/s
Hold Time	5s
Hold Angle	53°
Active Time	00m: 12s

Physio Remarks

MMT	2	Type	Active



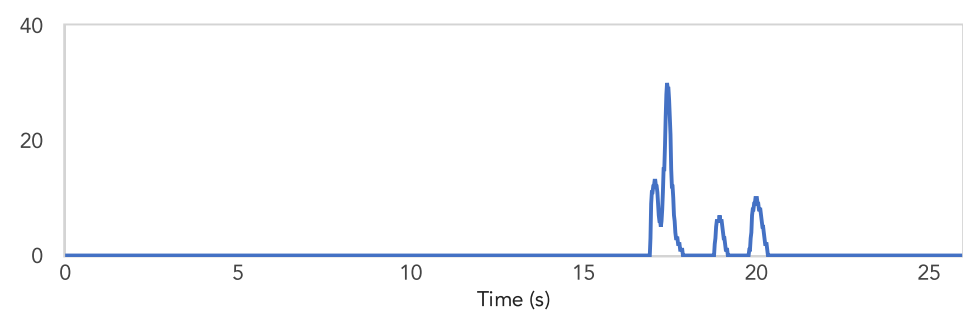
Right Knee Extension  
Vastus Medialis



Session Recording: 2

Total Time 00m: 26s

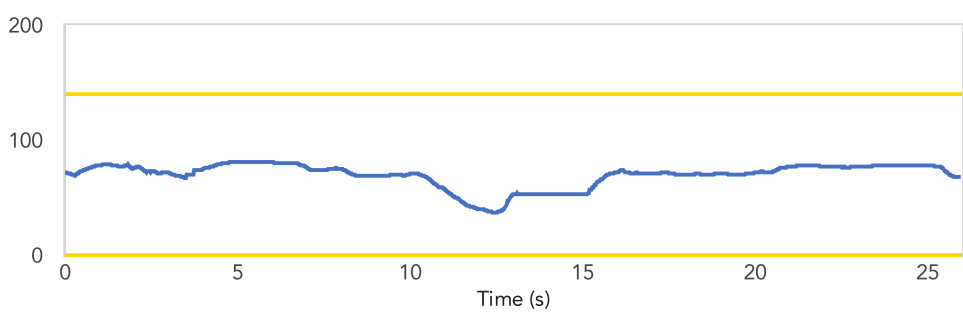
EMG (uV)



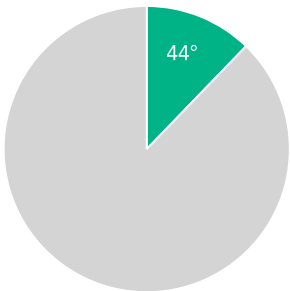
EMG Details

Time Recorded	26s
Avg Max EMG	0uV
Max EMG	30uV

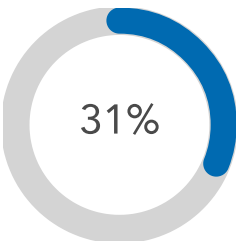
Range of Motion (°)



ROM Details



Goal Reached

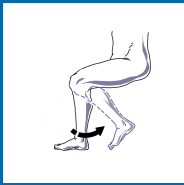


Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	26s
Range Gained	44°
Initial ROM	37°
Final ROM	81°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	1
Rep Speed	0.05reps/s
Hold Time	2s
Hold Angle	37°
Active Time	00m: 19s

Physio Remarks

MMT	2	Type	Active



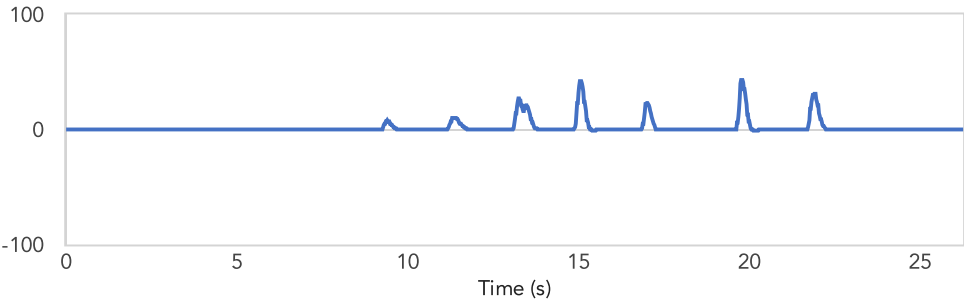
Right Knee Flexion  
Popliteus

Sit

Session Recording: 1

Total Time 00m: 27s

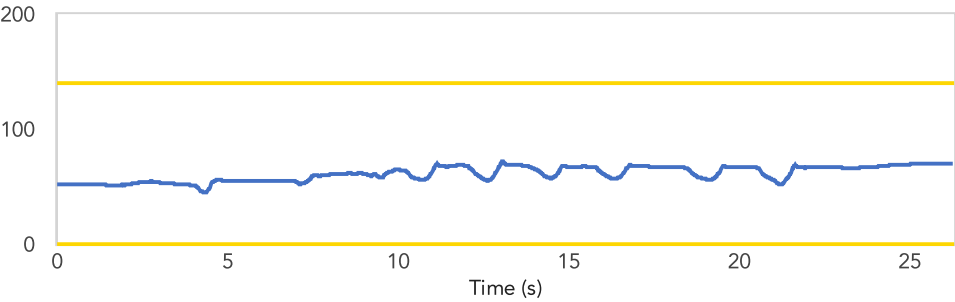
EMG (uV)



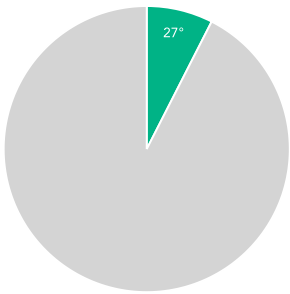
EMG Details

Time Recorded	27s
Avg Max EMG	31uV
Max EMG	43uV

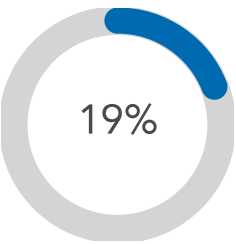
Range of Motion (°)



ROM Details



Goal Reached



Consistency	★☆☆☆☆
Control	★☆☆☆☆
Smoothness	★★★★☆
Co-Ordination	★★☆☆☆

Time Recorded	27s
Range Gained	27°
Initial ROM	45°
Final ROM	72°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	2
Rep Speed	0.09reps/s
Hold Time	1s
Hold Angle	52°
Active Time	00m: 23s

Physio Remarks

MMT	3	Type	Active



# Right Ankle Dorsiflexion

## Tibialis Anterior



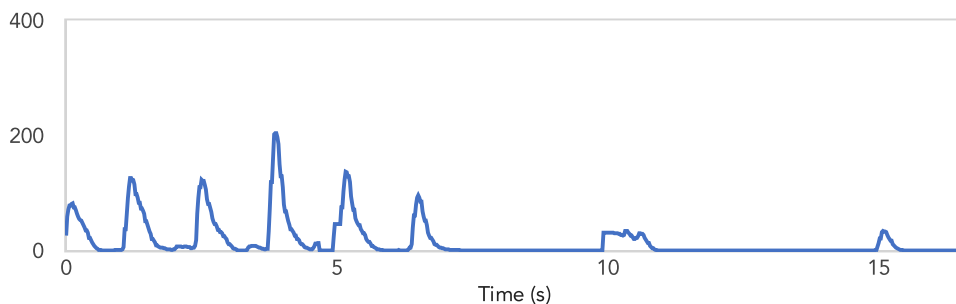
Sit

Session Recording: 2

Total Time

00m: 17s

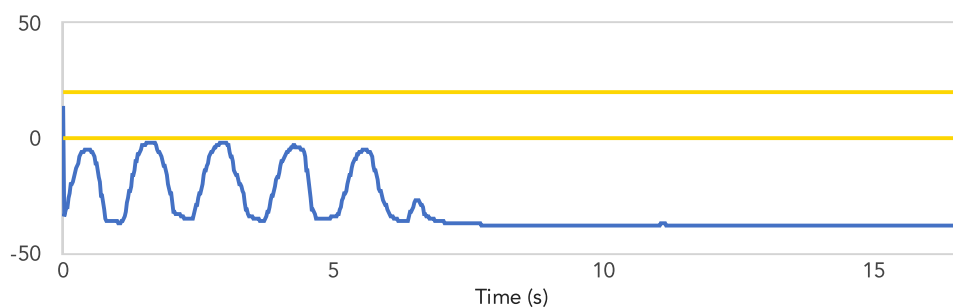
### EMG (uV)



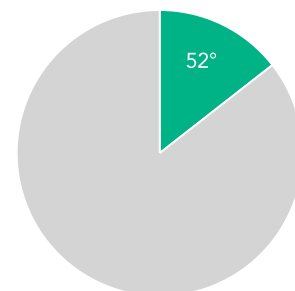
### EMG Details

Time Recorded	17s
Avg Max EMG	91uV
Max EMG	204uV

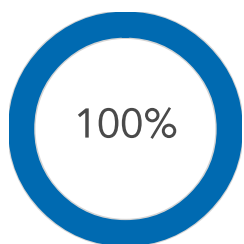
### Range of Motion (°)



### ROM Details



### Goal Reached

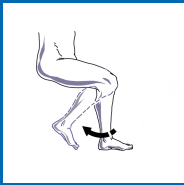


Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	17s
Range Gained	52°
Initial ROM	-38°
Final ROM	14°
Target ROM	0° to 20°
Normal ROM	0° to 20°
Repetitions	5
Rep Speed	0.56reps/s
Hold Time	11s
Hold Angle	-
Active Time	00m: 09s

### Physio Remarks

MMT 3 Type Active



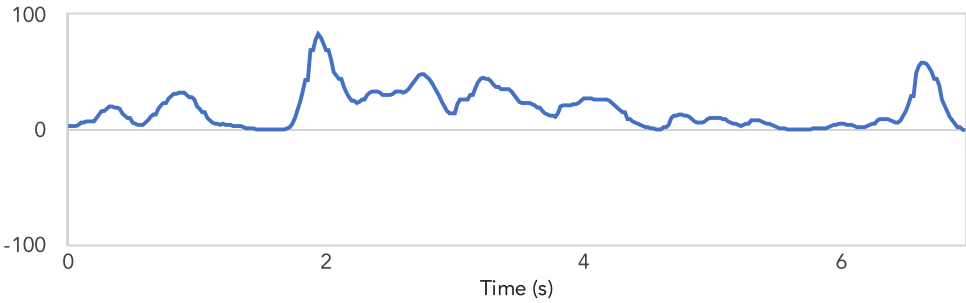
Left Knee Flexion  
Rectus Femoris

Sit

Session Recording: 2

Total Time 00m: 07s

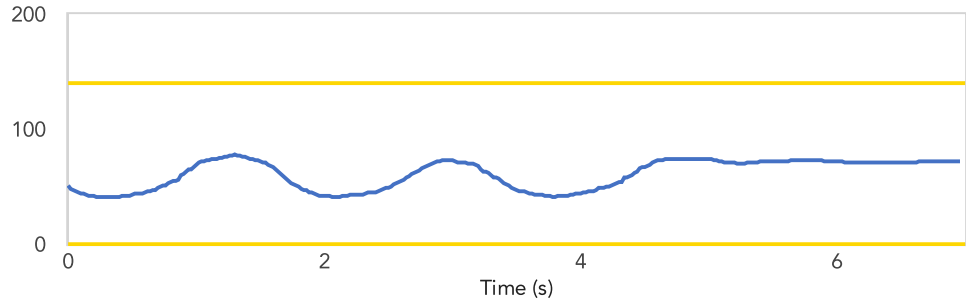
EMG (uV)



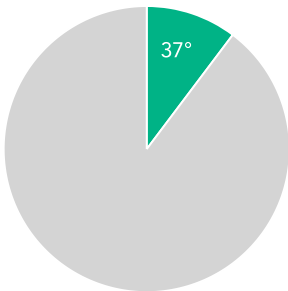
EMG Details

Time Recorded	7s
Avg Max EMG	70uV
Max EMG	83uV

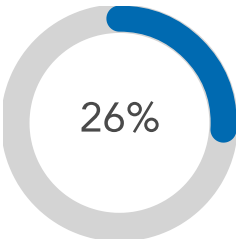
Range of Motion (°)



ROM Details



Goal Reached

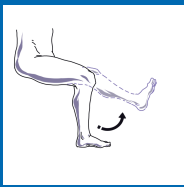


Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	7s
Range Gained	37°
Initial ROM	41°
Final ROM	78°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	3
Rep Speed	0.5reps/s
Hold Time	1s
Hold Angle	41°
Active Time	00m: 06s

Physio Remarks

MMT	1	Type	Active



# Left Knee Extension

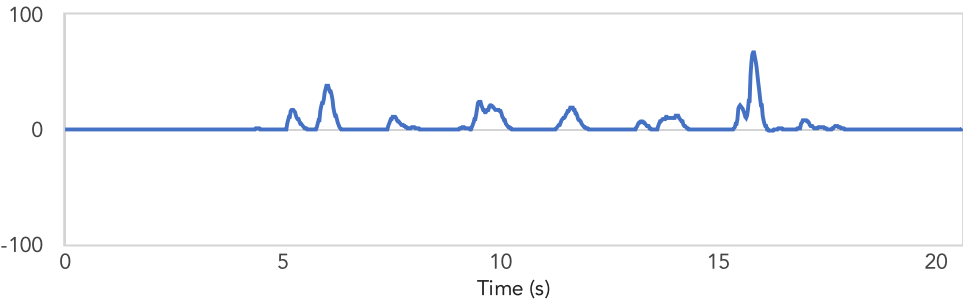
## Vastus Medialis



Session Recording: 2

Total Time 00m: 21s

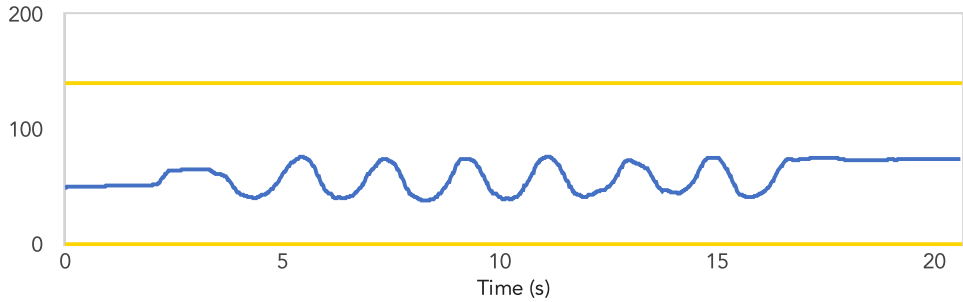
EMG (uV)



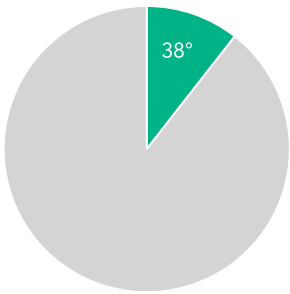
EMG Details

Time Recorded	21s
Avg Max EMG	41uV
Max EMG	67uV

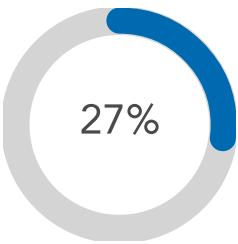
Range of Motion (°)



ROM Details



Goal Reached



Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	21s
Range Gained	38°
Initial ROM	38°
Final ROM	76°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	6
Rep Speed	0.38reps/s
Hold Time	1s
Hold Angle	41°
Active Time	00m: 16s

Physio Remarks

MMT	1	Type	Active





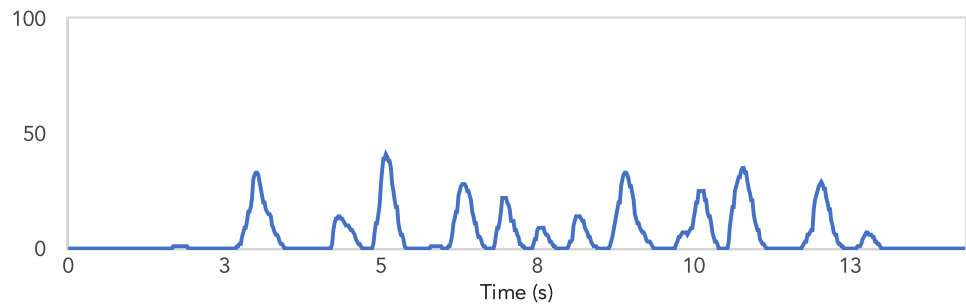
Left Knee Flexion  
Popliteus



Session Recording: 3

Total Time 00m: 15s

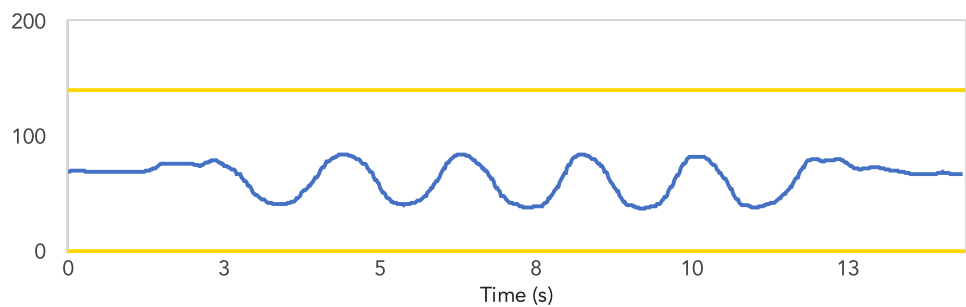
EMG (uV)



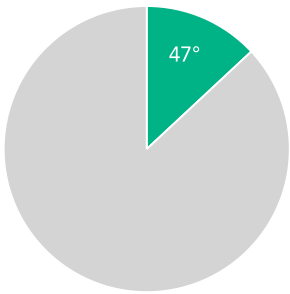
EMG Details

Time Recorded	15s
Avg Max EMG	38uV
Max EMG	41uV

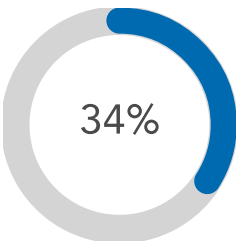
Range of Motion (°)



ROM Details



Goal Reached



Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	15s
Range Gained	47°
Initial ROM	37°
Final ROM	84°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	5
Rep Speed	0.33reps/s
Hold Time	1s
Hold Angle	38°
Active Time	00m: 15s

Physio Remarks

MMT	1	Type	Active



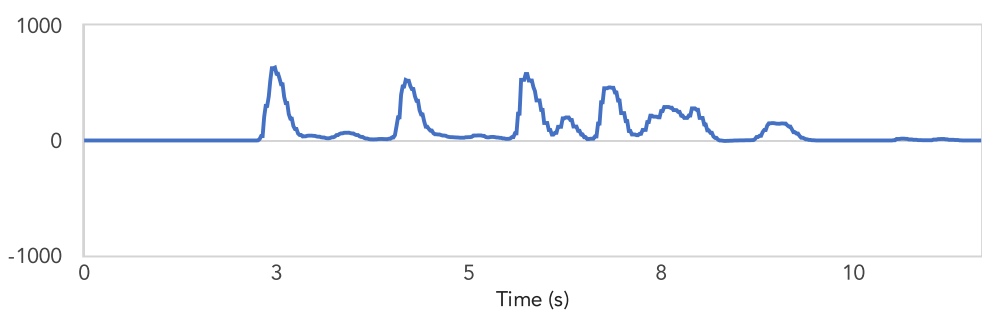
Left Ankle Dorsiflexion  
Tibialis Anterior

Sit

Session Recording: 2

Total Time 00m: 12s

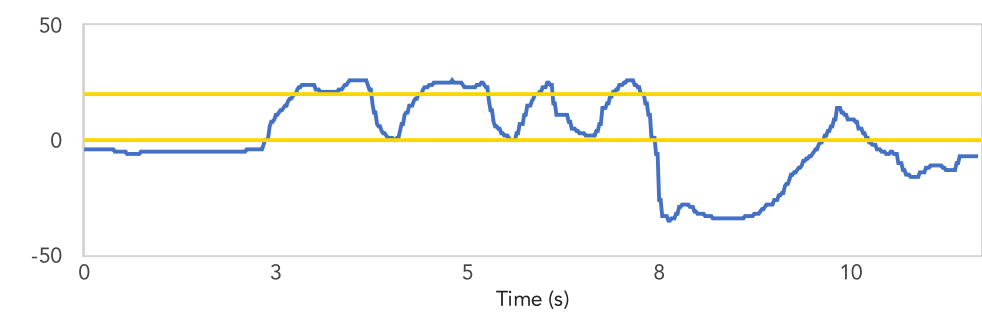
EMG (uV)



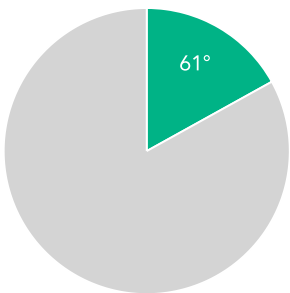
EMG Details

Time Recorded	12s
Avg Max EMG	369uV
Max EMG	634uV

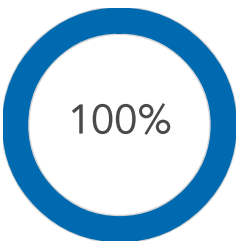
Range of Motion (°)



ROM Details



Goal Reached



Consistency	★☆☆☆☆
Control	★★★☆☆
Smoothness	★★★★☆
Co-Ordination	★★★☆☆

Time Recorded	12s
Range Gained	61°
Initial ROM	-35°
Final ROM	26°
Target ROM	0° to 20°
Normal ROM	0° to 20°
Repetitions	4
Rep Speed	0.5reps/s
Hold Time	1s
Hold Angle	26°
Active Time	00m: 08s

Physio Remarks

MMT	2	Type	Active



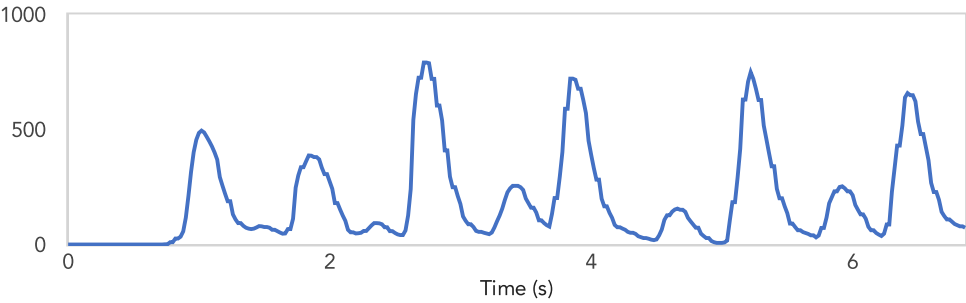
Left Ankle Dorsiflexion  
Tibialis Anterior



Session Recording: 3

Total Time 00m: 07s

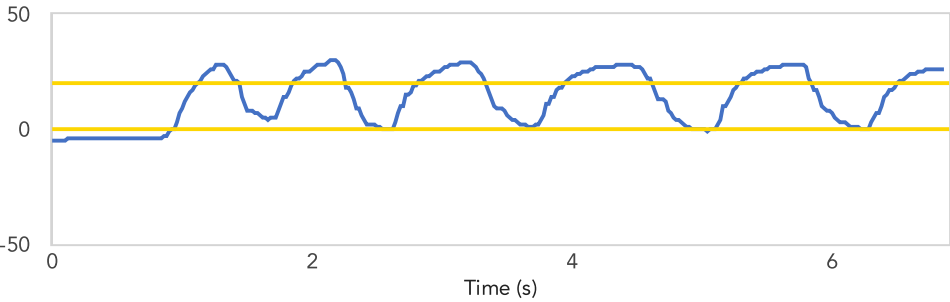
EMG (uV)



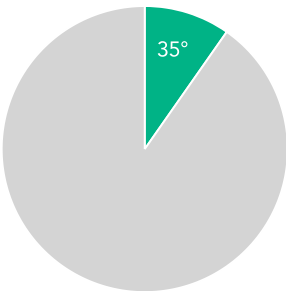
EMG Details

Time Recorded	7s
Avg Max EMG	0uV
Max EMG	791uV

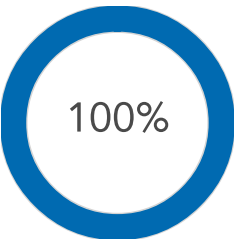
Range of Motion (°)



ROM Details



Goal Reached

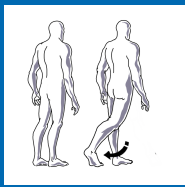


Consistency	★★★★☆
Control	☆☆☆☆☆
Smoothness	★★★★☆
Co-Ordination	★★★★★

Time Recorded	7s
Range Gained	35°
Initial ROM	-5°
Final ROM	30°
Target ROM	0° to 20°
Normal ROM	0° to 20°
Repetitions	5
Rep Speed	0.83reps/s
Hold Time	1s
Hold Angle	26°
Active Time	00m: 06s

Physio Remarks

MMT	4	Type	Active



# Right Hip Extension

## Biceps Femoris

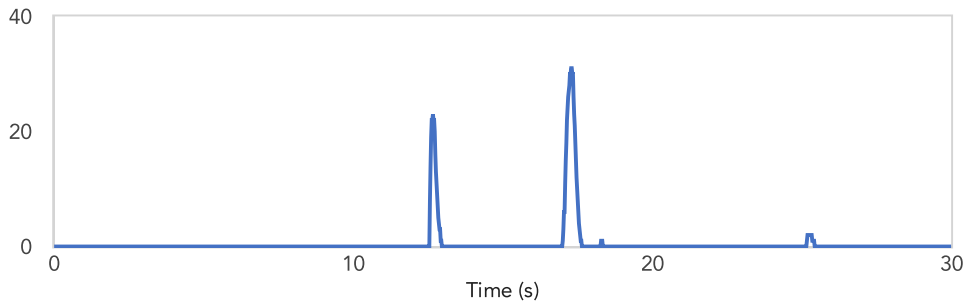
Stand

Session Recording: 2

Total Time

00m: 37s

### EMG (uV)

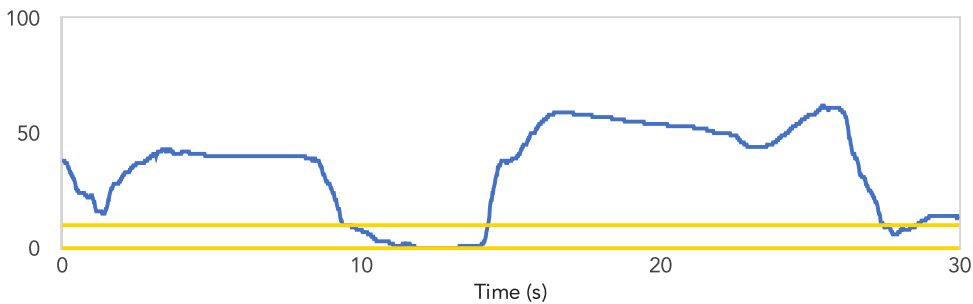


\*Displayed graph is recorded for first 30 seconds only.

### EMG Details

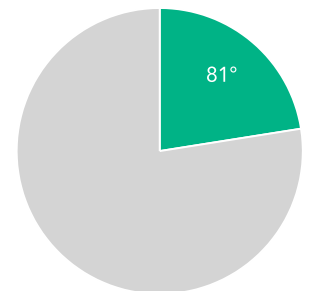
Time Recorded	37s
Avg Max EMG	16uV
Max EMG	31uV

### Range of Motion (°)



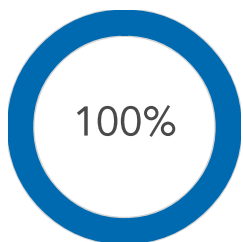
\*Displayed graph is recorded for first 30 seconds only.

### ROM Details



Time Recorded	37s
Range Gained	81°
Initial ROM	0°
Final ROM	81°
Target ROM	0° to 10°
Normal ROM	0° to 10°
Repetitions	4
Rep Speed	0.17reps/s
Hold Time	11s
Hold Angle	62°
Active Time	00m: 23s

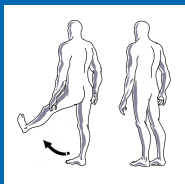
### Goal Reached



Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

### Physio Remarks

MMT	1	Type	Assistive



# Left Hip Flexion

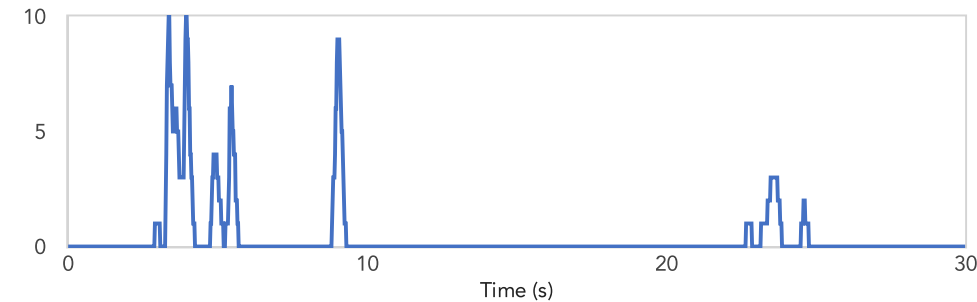
## Biceps Femoris

Stand

Session Recording: 1

Total Time 00m: 40s

### EMG (uV)

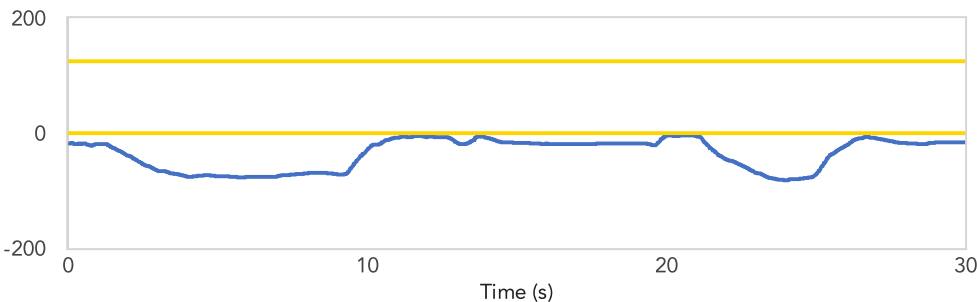


\*Displayed graph is recorded for first 30 seconds only.

### EMG Details

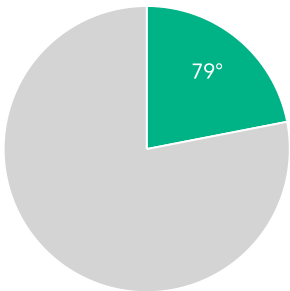
Time Recorded	40s
Avg Max EMG	7uV
Max EMG	10uV

### Range of Motion (°)



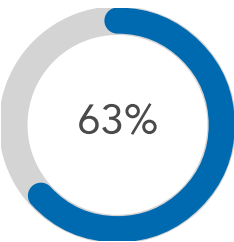
\*Displayed graph is recorded for first 30 seconds only.

### ROM Details



Time Recorded	40s
Range Gained	79°
Initial ROM	-82°
Final ROM	-3°
Target ROM	0° to 125°
Normal ROM	0° to 125°
Repetitions	2
Rep Speed	0.09reps/s
Hold Time	5s
Hold Angle	-
Active Time	00m: 23s

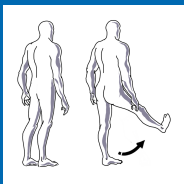
### Goal Reached



Consistency	★★★★★
Control	★☆☆☆☆
Smoothness	★★★★★
Co-Ordination	★★★★★

### Physio Remarks

MMT	1	Type	Assistive



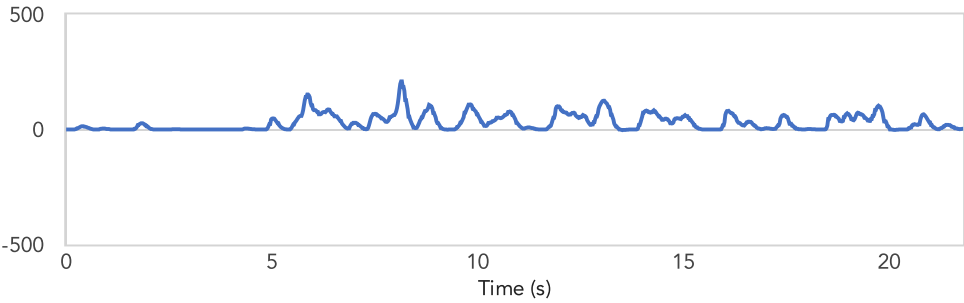
Right Hip Flexion  
Gluteus Maximus

Stand

Session Recording: 1

Total Time 00m: 22s

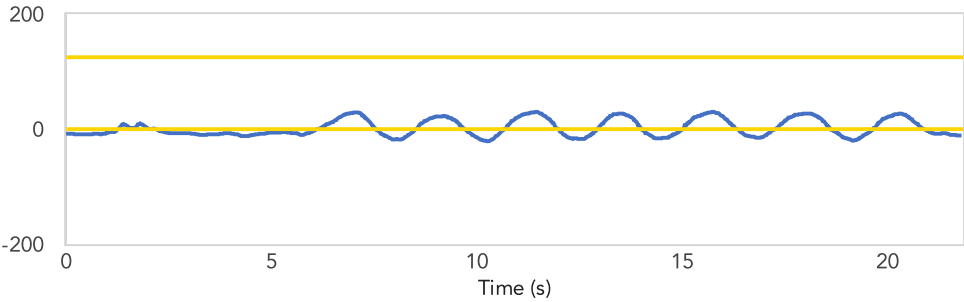
EMG (uV)



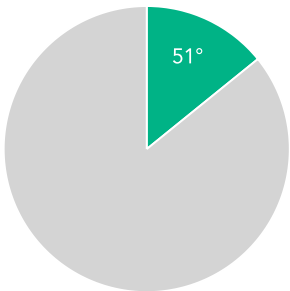
EMG Details

Time Recorded	22s
Avg Max EMG	116uV
Max EMG	209uV

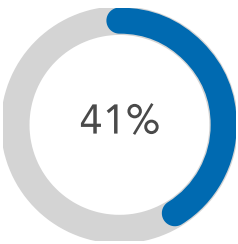
Range of Motion (°)



ROM Details



Goal Reached

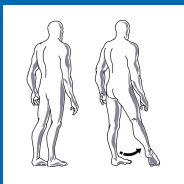


Consistency	★★★★☆
Control	★★★★★
Smoothness	★★★★☆
Co-Ordination	★★★★☆

Time Recorded	22s
Range Gained	51°
Initial ROM	-21°
Final ROM	30°
Target ROM	0° to 125°
Normal ROM	0° to 125°
Repetitions	7
Rep Speed	0.32reps/s
Hold Time	2s
Hold Angle	29°
Active Time	00m: 22s

Physio Remarks

MMT	1	Type	Assistive



# Right Hip Abduction

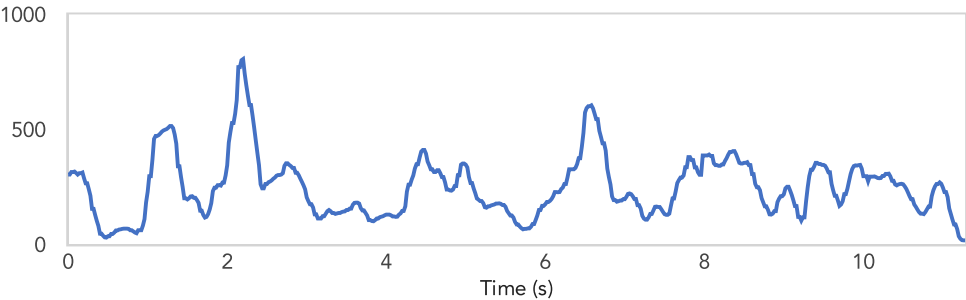
## Gluteus Medius

Stand

Session Recording: 2

Total Time 00m: 12s

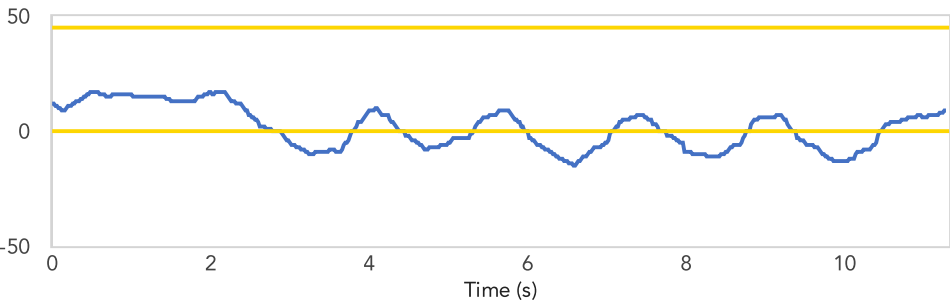
### EMG (uV)



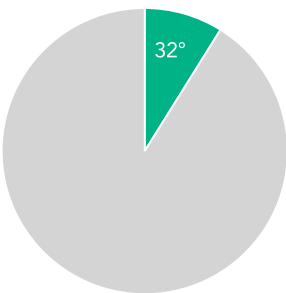
### EMG Details

Time Recorded	12s
Avg Max EMG	560uV
Max EMG	806uV

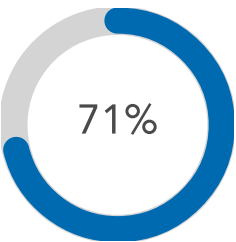
### Range of Motion (°)



### ROM Details



### Goal Reached

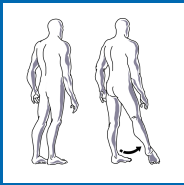


Consistency	★★★★★
Control	★★★★★
Smoothness	★★★☆☆
Co-Ordination	★★★☆☆

Time Recorded	12s
Range Gained	32°
Initial ROM	-15°
Final ROM	17°
Target ROM	0° to 45°
Normal ROM	0° to 45°
Repetitions	6
Rep Speed	0.5reps/s
Hold Time	2s
Hold Angle	-
Active Time	00m: 12s

### Physio Remarks

MMT	1	Type	Assistive



# Right Hip Abduction

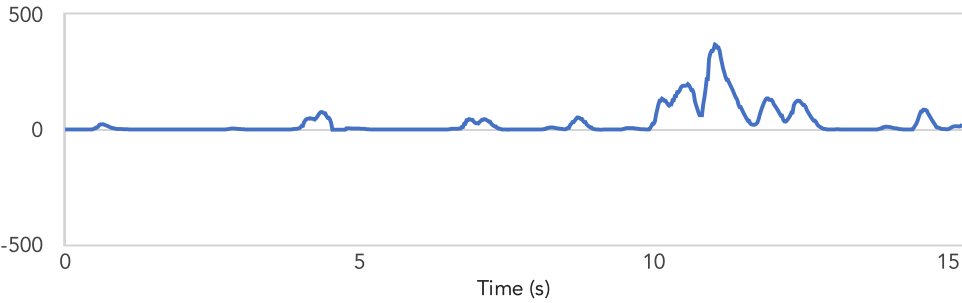
## Gluteus Medius

Stand

Session Recording: 3

Total Time 00m: 16s

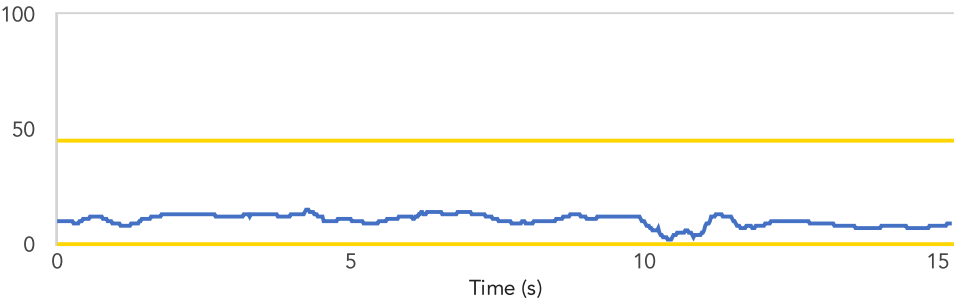
### EMG (uV)



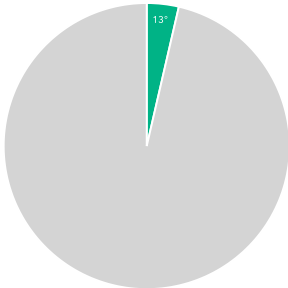
### EMG Details

Time Recorded	16s
Avg Max EMG	153uV
Max EMG	369uV

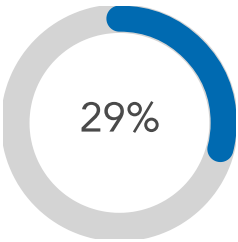
### Range of Motion (°)



### ROM Details



### Goal Reached



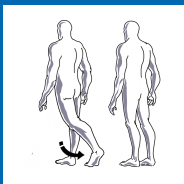
Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	16s
Range Gained	13°
Initial ROM	2°
Final ROM	15°
Target ROM	0° to 45°
Normal ROM	0° to 45°
Repetitions	2
Rep Speed	0.17reps/s
Hold Time	1s
Hold Angle	7°
Active Time	00m: 12s

### Physio Remarks

MMT 1 Type Active





# Left Hip Extension

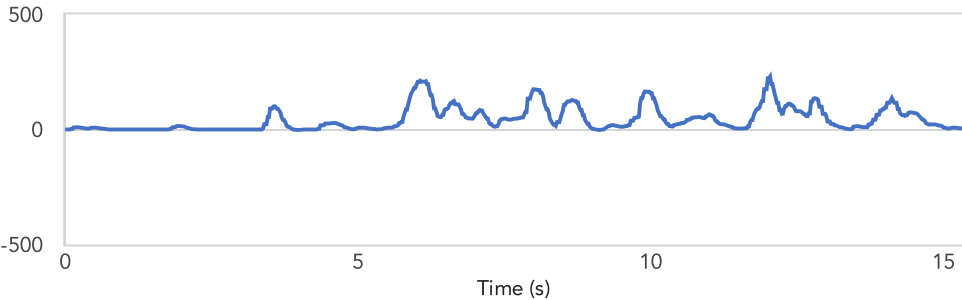
## Gluteus Maximus

Stand

Session Recording: 2

Total Time 00m: 16s

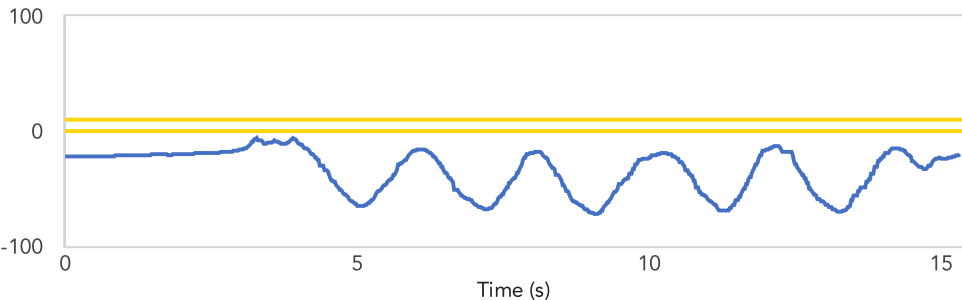
EMG (uV)



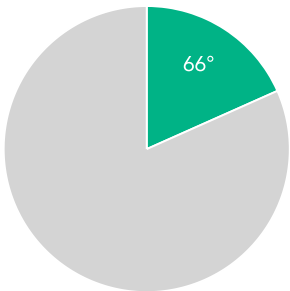
EMG Details

Time Recorded	16s
Avg Max EMG	152uV
Max EMG	230uV

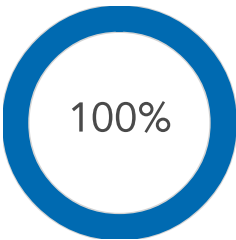
Range of Motion (°)



ROM Details



Goal Reached

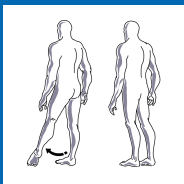


Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	16s
Range Gained	66°
Initial ROM	-72°
Final ROM	-6°
Target ROM	0° to 10°
Normal ROM	0° to 10°
Repetitions	6
Rep Speed	0.46reps/s
Hold Time	1s
Hold Angle	-
Active Time	00m: 13s

Physio Remarks

MMT	1	Type	Assistive



# Left Hip Abduction

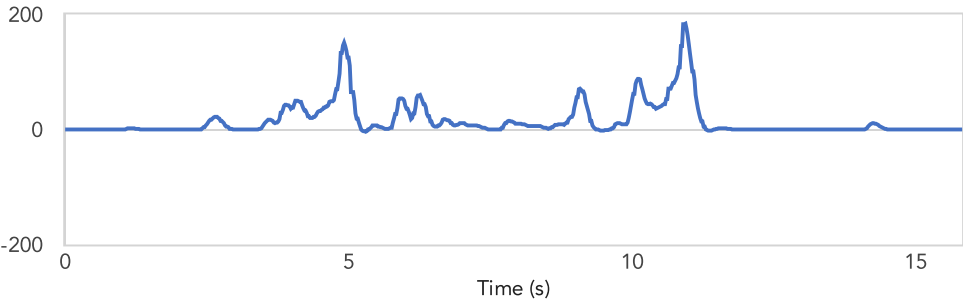
## Gluteus Medius

Stand

Session Recording: 2

Total Time 00m: 16s

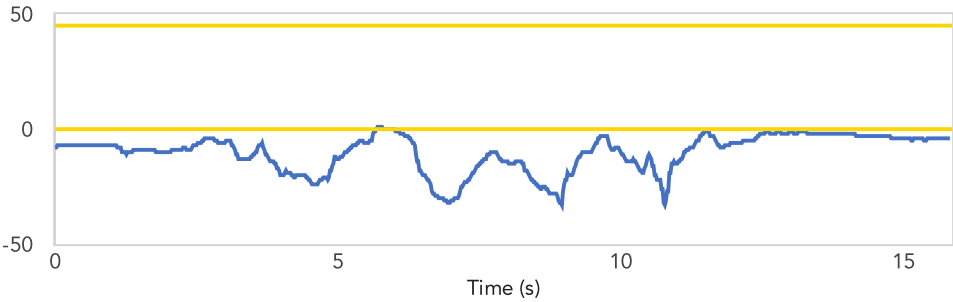
### EMG (uV)



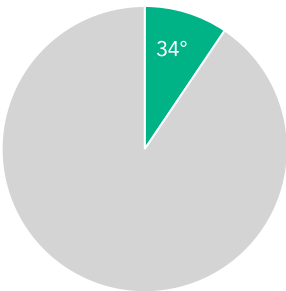
### EMG Details

Time Recorded	16s
Avg Max EMG	168uV
Max EMG	184uV

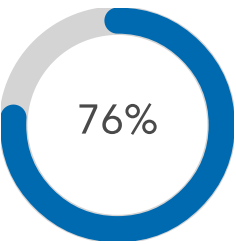
### Range of Motion (°)



### ROM Details



### Goal Reached



Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	16s
Range Gained	34°
Initial ROM	-33°
Final ROM	1°
Target ROM	0° to 45°
Normal ROM	0° to 45°
Repetitions	4
Rep Speed	0.31reps/s
Hold Time	1s
Hold Angle	-
Active Time	00m: 13s

### Physio Remarks

MMT	1	Type	Assistive

## Additional Comment

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Next Session:\_\_\_\_\_

Time:\_\_\_\_\_

Report handed over by:\_\_\_\_\_

Dept:\_\_\_\_\_

Seal & Signature

Contact No.

## Terms & Conditions

- The reported results are for information and interpretation of the referring doctor/ physiotherapist or such medical professional who understands reporting units, reference ranges and limitations of technologies.
- It is presumed that the assessment tests are performed on the patient named or identified and the verification of the particulars have been cleared out by the patient or his/her representative at the point of generation of this report. The reported results are restricted to the given patient only.
- Should the results indicate an unexpected abnormality, the same should be reconfirmed.
- Results may vary from one center to another and from time to time for the same parameter for the same patient. Assessments are performed in accordance with standard set procedures. Neither the physiotherapy center (including its employees, representatives) using Pheeze nor the manufacturer of Pheeze (Startoon Labs and its employees, representatives) assume any liability, responsibility for any loss or damage that may be incurred by any person as a result of presuming the meaning or contents of this report.
- This report is not valid for medico-legal purposes.

### Suggestions

- Values out of reference range requires reconfirmation before starting any medical treatment.
- Retesting/reassessment is needed if you suspect any quality shortcomings.