



Update clinic name

Dr. Clinical Research ,
Ph : 9398772387



Session Date: Jun 26 2023, Mon, 9:22 AM Session no: 3 Session Duration: 4m:30s Start Session: 03/05/2023 Last Session: May 24 2023



Ms. PSudha Madhavi, 46/F

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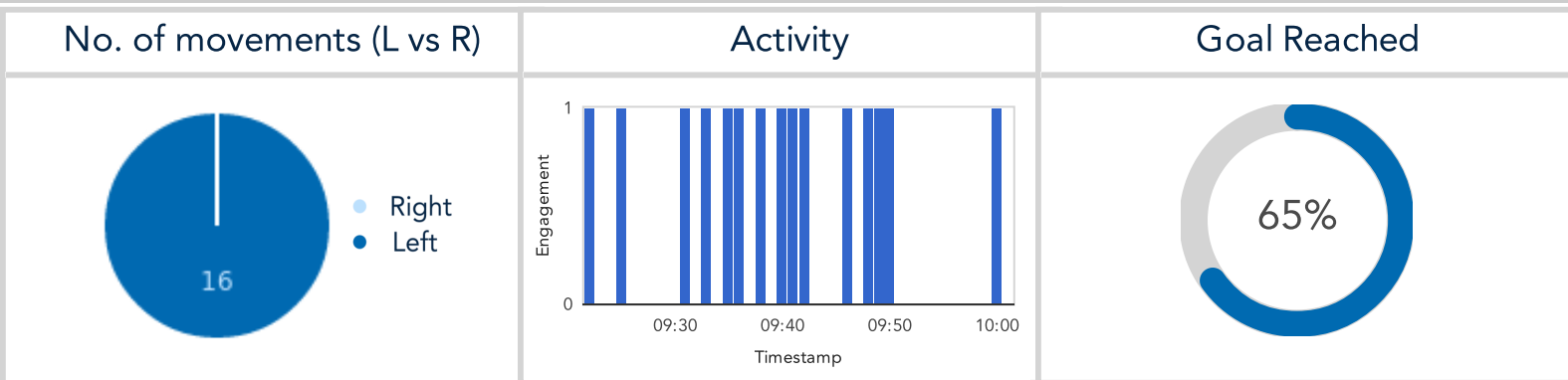
Condition:
TKR

Speciality:
Ortho

Affected side:
Bi-Lateral

Medical History:
Others

Patient ID: 1 20230503034954



Report Details

No.	Joint	Movement	Muscle	Side	EMG (uV)	ROM (°)
1	Ankle	Dorsiflexion	Tibialis Anterior	Right	89uV ↓ 115uV	77° ↑ 25°
2	Ankle	Dorsiflexion	Tibialis Anterior	Left	122uV ↓ 669uV	87° ↑ 52°
3	Knee	Extension	Vastus Medialis	Right	62uV	92°
4	Knee	Extension	Biceps Femoris	Right	125uV	101°
5	Knee	Flexion	Rectus Femoris	Left	68uV ↓ 15uV	70° ↑ 33°
6	Knee	Flexion	Popliteus	Left	124uV ↑ 83uV	68° ↑ 21°
7	Knee	Flexion	Rectus Femoris	Left	158uV ↑ 75uV	63° ↑ 26°
8	Knee	Flexion	Popliteus	Left	37uV ↓ 4uV	67° ↑ 20°
9	Knee	Extension	Vastus Medialis	Left	121uV	91°
10	Knee	Extension	Vastus Medialis	Left	121uV	91°
11	Knee	Extension	Biceps Femoris	Left	62uV ↑ 33uV	97° ↑ 12°
12	Hip	Flexion	Gluteus Maximus	Left	58uV	49°
13	Hip	Abduction	Gluteus Medius	Left	81uV ↓ 103uV	24° ↓ 10°

No.	Joint	Movement	Muscle	Side	EMG (uV)	ROM (°)
14	Hip	Flexion	Gluteus Maximus	Right	25uV ↓ 179uV	49° ↓ 3°
15	Hip	Abduction	Gluteus Medius	Left	77uV ↓ 714uV	39° ↑ 4°
16	Ankle	Dorsiflexion	Tibialis Anterior	Left	48uV	45°

Report Summary

For Ankle joint Dorsiflexion movement, The joint mobility of Right side is healthy. The EMG of Right side increased from 29uV to 89uV in 54 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 Left side is healthy. The EMG of Left side decreased from 791uV to 48uV in 54 days.



Right Ankle Dorsiflexion

Tibialis Anterior



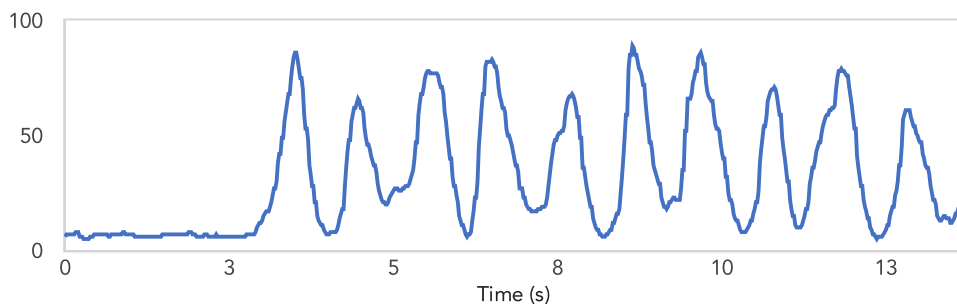
Sit

Session Recording: 3

Total Time

00m: 14s

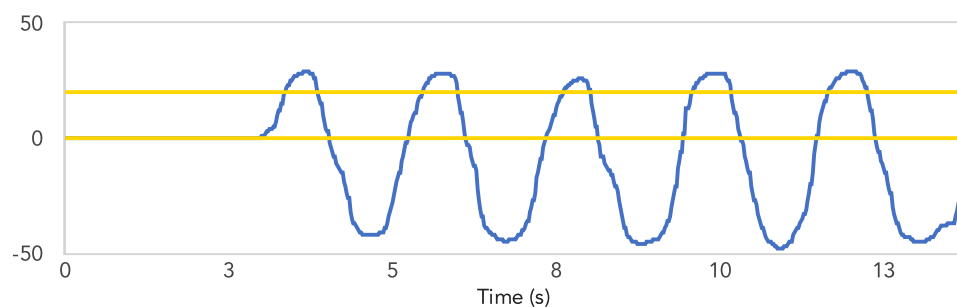
EMG (uV)



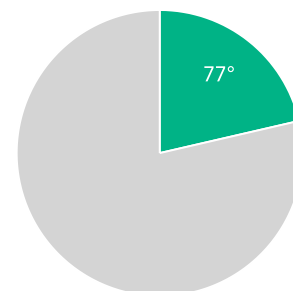
EMG Details

Time Recorded	14s
Avg Max EMG	79uV
Max EMG	89uV

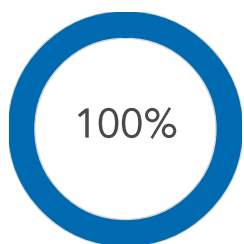
Range of Motion (°)



ROM Details



Goal Reached



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

Time Recorded	14s
Range Gained	77°
Initial ROM	-48°
Final ROM	29°
Target ROM	0° to 20°
Normal ROM	0° to 20°
Repetitions	6
Rep Speed	0.43reps/s
Hold Time	1s
Hold Angle	25°
Active Time	00m: 14s

Physio Remarks

MMT 3 Type Active



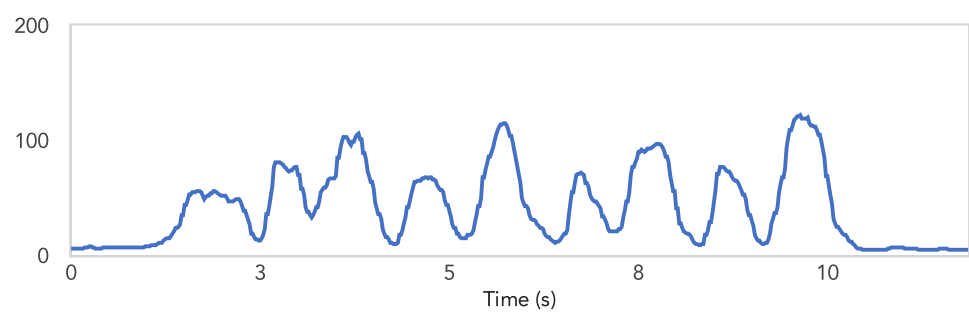
Left Ankle Dorsiflexion
Tibialis Anterior

Sit

Session Recording: 4

Total Time 00m: 12s

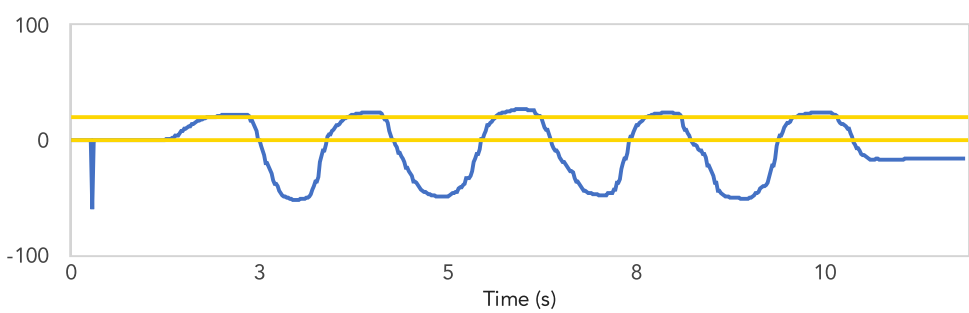
EMG (uV)



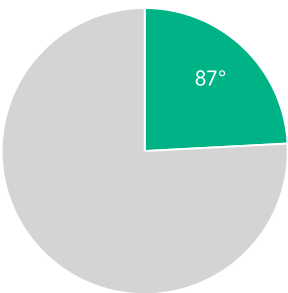
EMG Details

Time Recorded	12s
Avg Max EMG	114uV
Max EMG	122uV

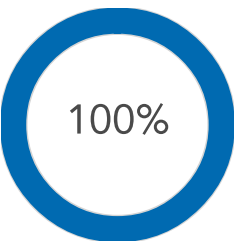
Range of Motion (°)



ROM Details



Goal Reached

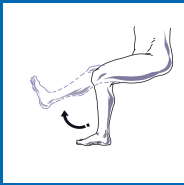


Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	12s
Range Gained	87°
Initial ROM	-60°
Final ROM	27°
Target ROM	0° to 20°
Normal ROM	0° to 20°
Repetitions	5
Rep Speed	0.5reps/s
Hold Time	1s
Hold Angle	13°
Active Time	00m: 10s

Physio Remarks

MMT	3	Type	Active



Right Knee Extension

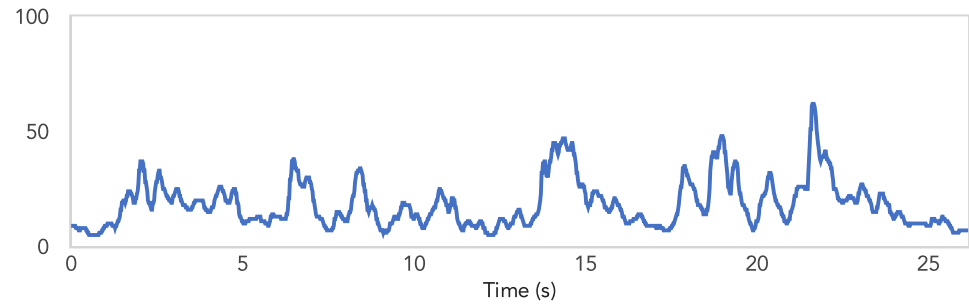
Vastus Medialis

Stand

Session Recording: 3

Total Time 00m: 26s

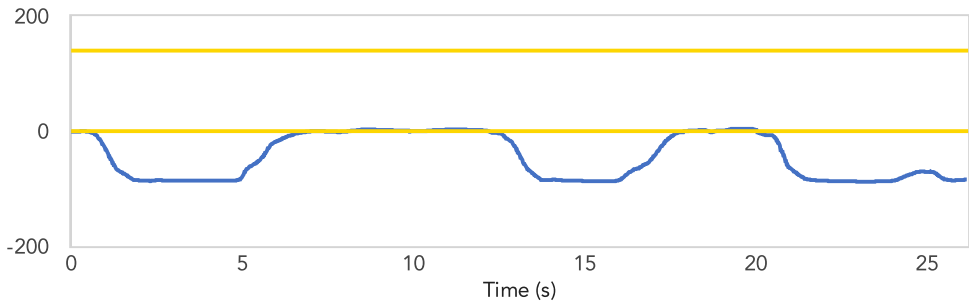
EMG (uV)



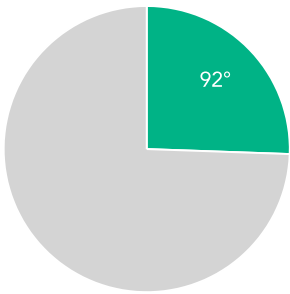
EMG Details

Time Recorded	26s
Avg Max EMG	46uV
Max EMG	62uV

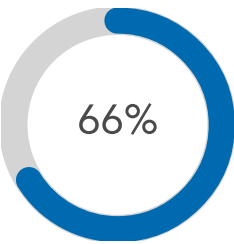
Range of Motion (°)



ROM Details



Goal Reached

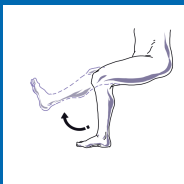


Consistency	★☆☆☆☆
Control	★★★★☆
Smoothness	★★★★☆
Co-Ordination	★★★★☆

Time Recorded	26s
Range Gained	92°
Initial ROM	-88°
Final ROM	4°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	3
Rep Speed	0.1reps/s
Hold Time	5s
Hold Angle	10°
Active Time	00m: 31s

Physio Remarks

MMT	3+	Type	Active



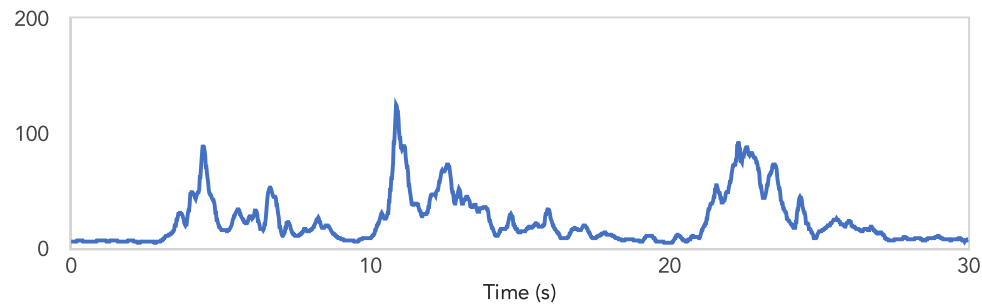
Right Knee Extension
Biceps Femoris

Stand

Session Recording: 1

Total Time 00m: 32s

EMG (uV)

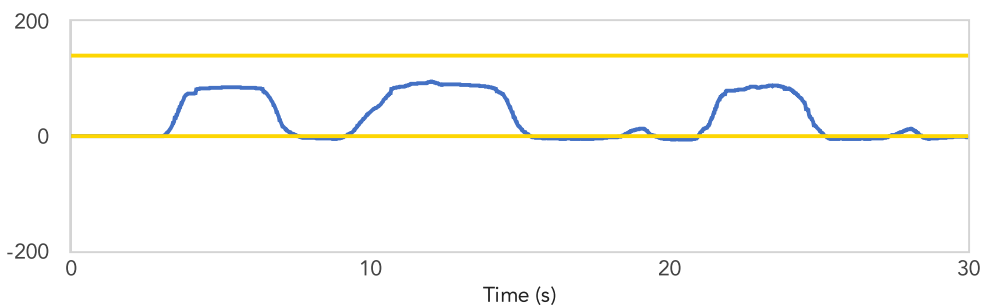


*Displayed graph is recorded for first 30 seconds only.

EMG Details

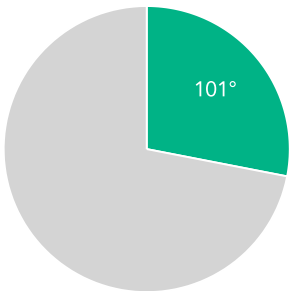
Time Recorded	32s
Avg Max EMG	53uV
Max EMG	125uV

Range of Motion (°)



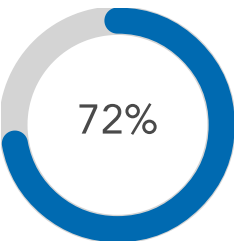
*Displayed graph is recorded for first 30 seconds only.

ROM Details



Time Recorded	32s
Range Gained	101°
Initial ROM	-6°
Final ROM	95°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	3
Rep Speed	0.11reps/s
Hold Time	4s
Hold Angle	111°
Active Time	00m: 27s

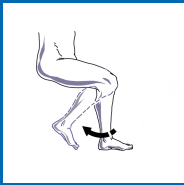
Goal Reached



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

Physio Remarks

MMT	4	Type	Active



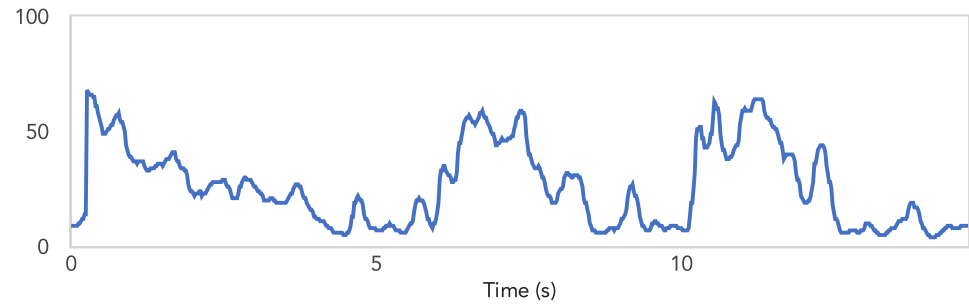
Left Knee Flexion
Rectus Femoris

Sit

Session Recording: 3

Total Time 00m: 15s

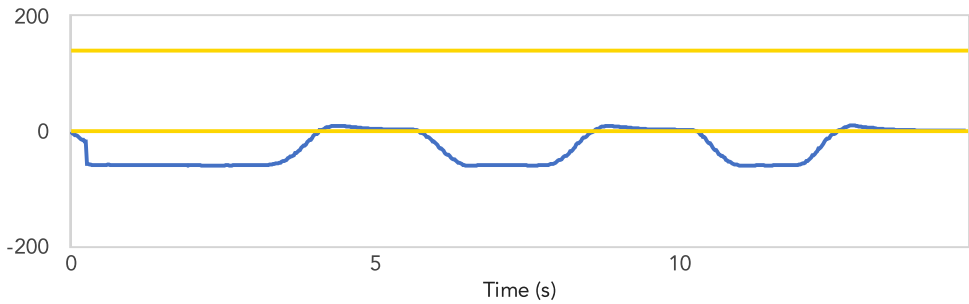
EMG (uV)



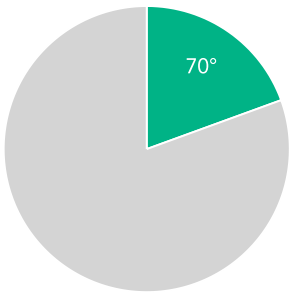
EMG Details

Time Recorded	15s
Avg Max EMG	64uV
Max EMG	68uV

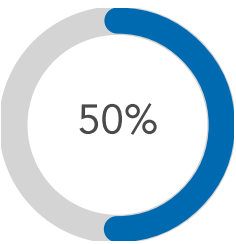
Range of Motion (°)



ROM Details



Goal Reached

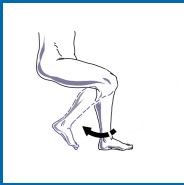


Consistency	★★★★☆
Control	★★★★☆
Smoothness	★★★★☆
Co-Ordination	★★★★★

Time Recorded	15s
Range Gained	70°
Initial ROM	-60°
Final ROM	10°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	1
Rep Speed	0.05reps/s
Hold Time	3s
Hold Angle	82°
Active Time	00m: 22s

Physio Remarks

MMT	3+	Type	Active



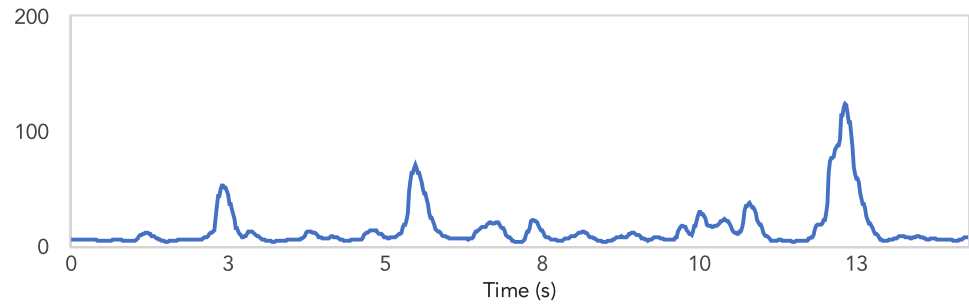
Left Knee Flexion
Popliteus

Sit

Session Recording: 4

Total Time 00m: 14s

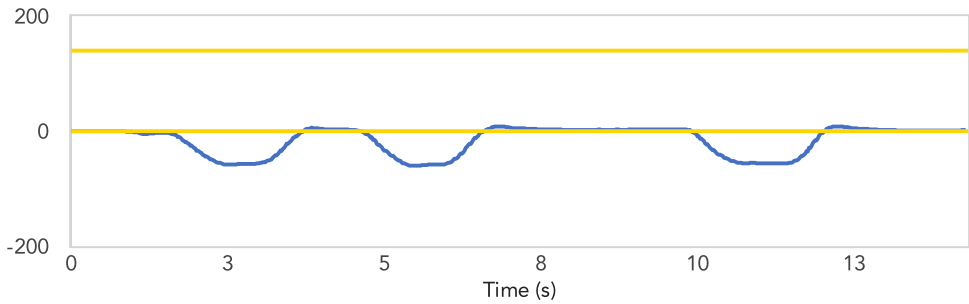
EMG (uV)



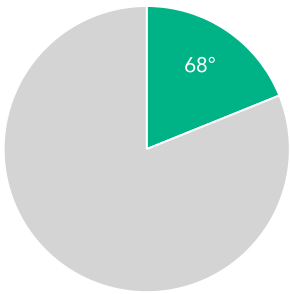
EMG Details

Time Recorded	14s
Avg Max EMG	69uV
Max EMG	124uV

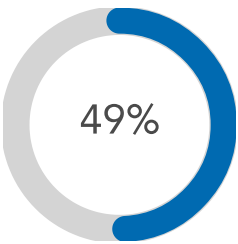
Range of Motion (°)



ROM Details



Goal Reached

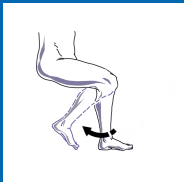


Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	14s
Range Gained	68°
Initial ROM	-60°
Final ROM	8°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	4
Rep Speed	0.22reps/s
Hold Time	2s
Hold Angle	15°
Active Time	00m: 18s

Physio Remarks

MMT	3+	Type	Active



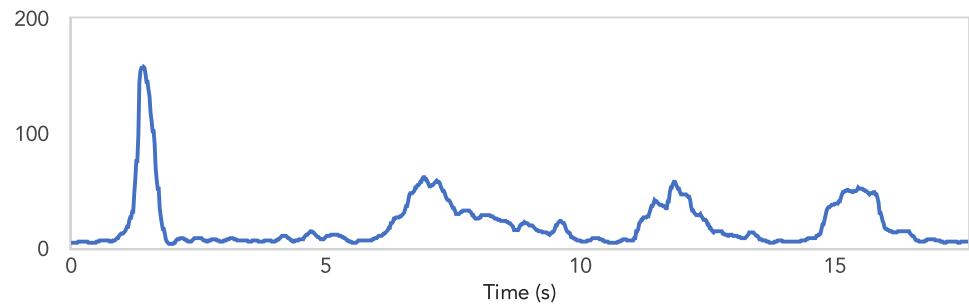
Left Knee Flexion
Rectus Femoris

Sit

Session Recording: 4

Total Time 00m: 18s

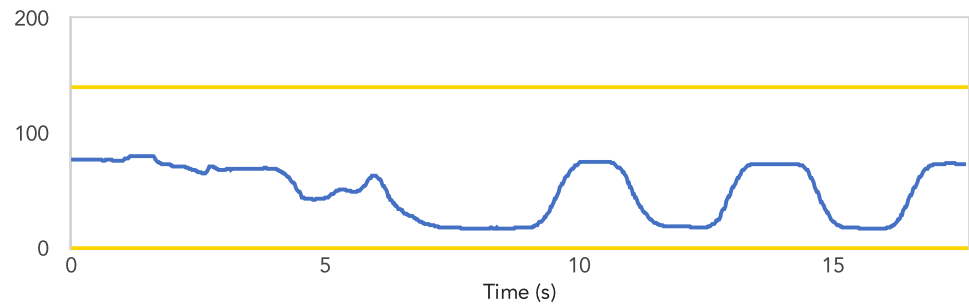
EMG (uV)



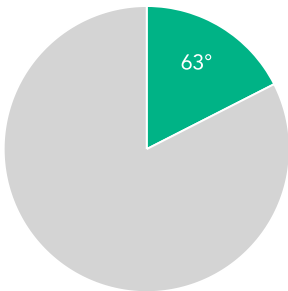
EMG Details

Time Recorded	18s
Avg Max EMG	73uV
Max EMG	158uV

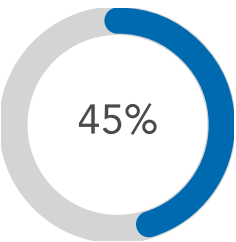
Range of Motion (°)



ROM Details



Goal Reached

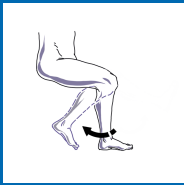


Consistency	★★★★★
Control	★☆☆☆☆
Smoothness	★★★★☆
Co-Ordination	★★★★★

Time Recorded	18s
Range Gained	63°
Initial ROM	17°
Final ROM	80°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	2
Rep Speed	0.12reps/s
Hold Time	3s
Hold Angle	17°
Active Time	00m: 17s

Physio Remarks

MMT	3+	Type	Active



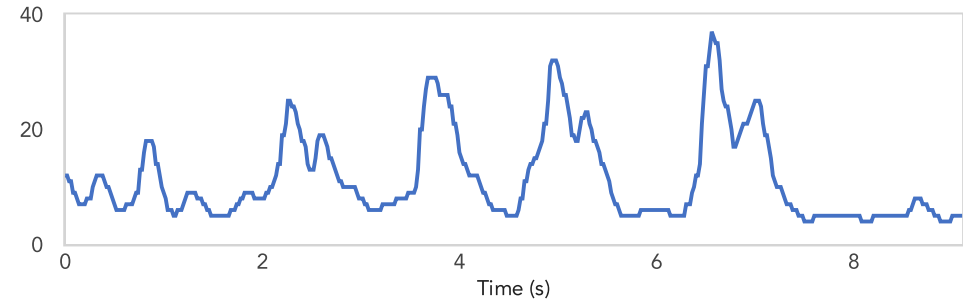
Left Knee Flexion
Popliteus

Sit

Session Recording: 5

Total Time 00m: 10s

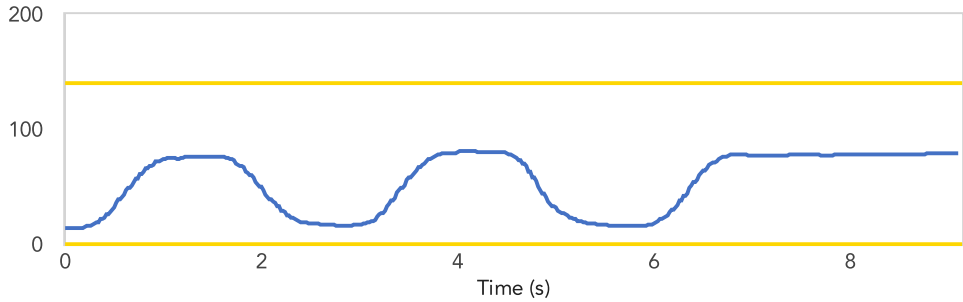
EMG (uV)



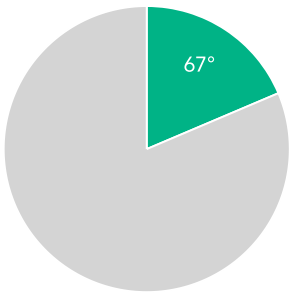
EMG Details

Time Recorded	10s
Avg Max EMG	31uV
Max EMG	37uV

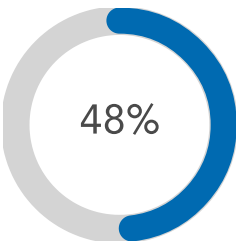
Range of Motion (°)



ROM Details



Goal Reached

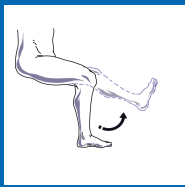


Consistency	★★★★☆
Control	☆☆☆☆☆
Smoothness	★★★★☆
Co-Ordination	☆☆☆☆☆

Time Recorded	10s
Range Gained	67°
Initial ROM	14°
Final ROM	81°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	3
Rep Speed	0.33reps/s
Hold Time	2s
Hold Angle	16°
Active Time	00m: 09s

Physio Remarks

MMT	3+	Type	Active



Left Knee Extension

Vastus Medialis

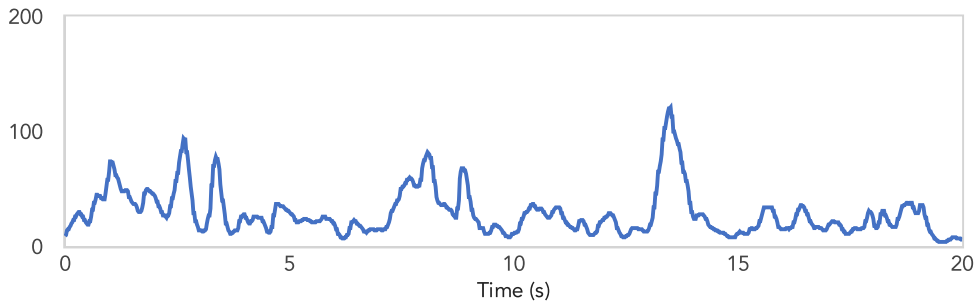
Stand

Session Recording: 4

Total Time

00m: 20s

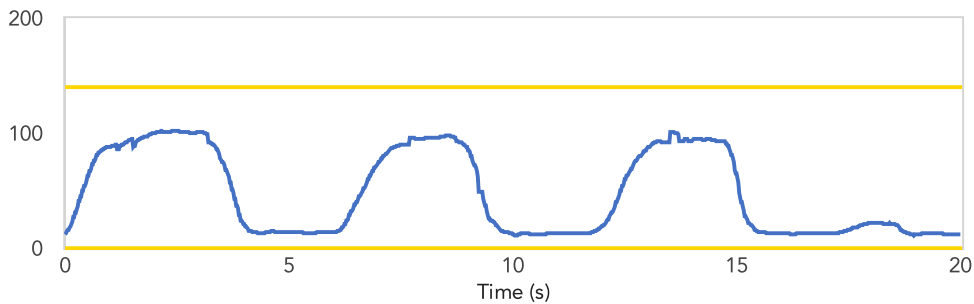
EMG (uV)



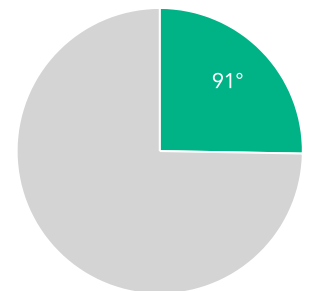
EMG Details

Time Recorded	20s
Avg Max EMG	84uV
Max EMG	121uV

Range of Motion (°)

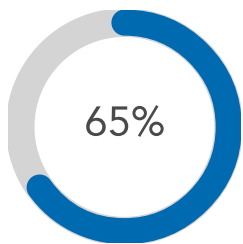


ROM Details



Time Recorded	20s
Range Gained	91°
Initial ROM	11°
Final ROM	102°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	3
Rep Speed	0.15reps/s
Hold Time	5s
Hold Angle	11°
Active Time	00m: 20s

Goal Reached



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

Physio Remarks

MMT 3+ Type Active



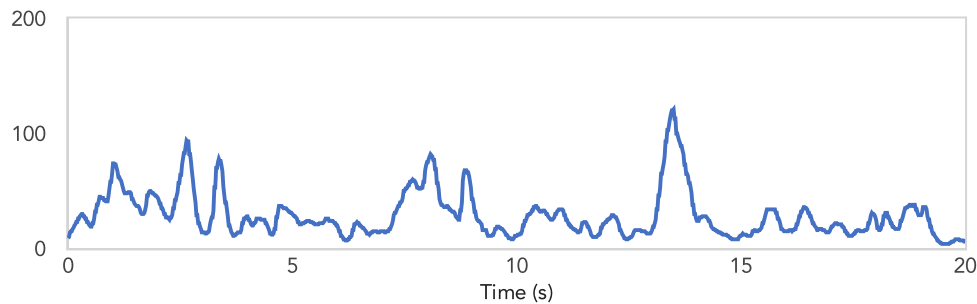
Left Knee Extension
Vastus Medialis

Stand

Session Recording: 4

Total Time 00m: 20s

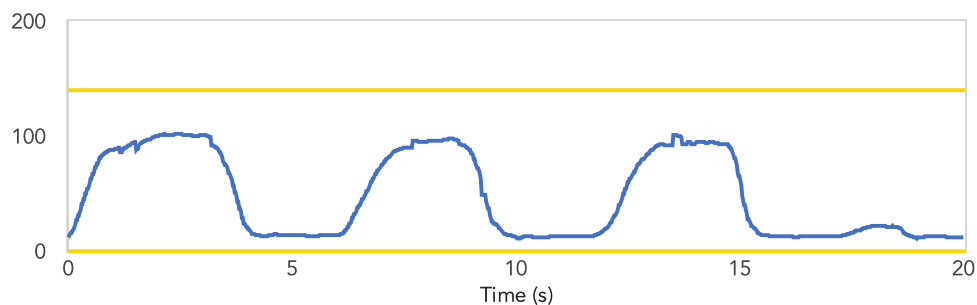
EMG (uV)



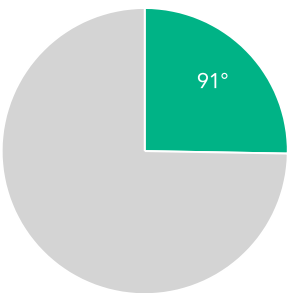
EMG Details

Time Recorded	20s
Avg Max EMG	84uV
Max EMG	121uV

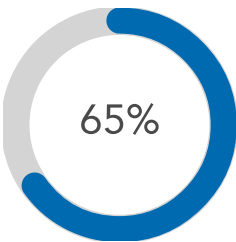
Range of Motion (°)



ROM Details



Goal Reached

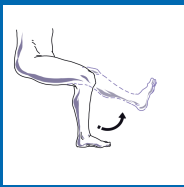


Consistency	★★★★☆
Control	★★★★☆
Smoothness	★★★★☆
Co-Ordination	★★★★☆

Time Recorded	20s
Range Gained	91°
Initial ROM	11°
Final ROM	102°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	3
Rep Speed	0.15reps/s
Hold Time	5s
Hold Angle	11°
Active Time	00m: 20s

Physio Remarks

MMT	3+	Type	Active



Left Knee Extension

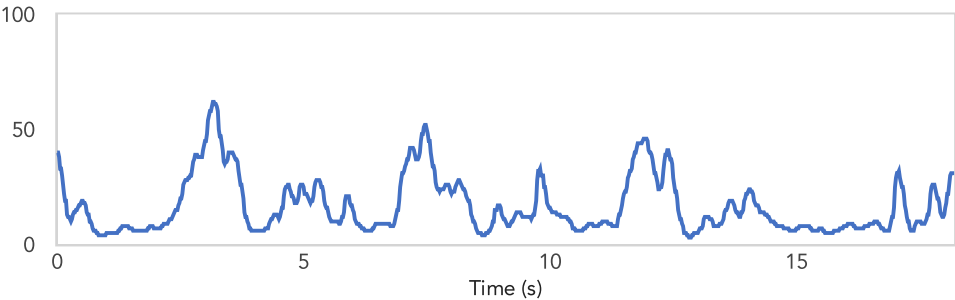
Biceps Femoris

Stand

Session Recording: 2

Total Time 00m: 19s

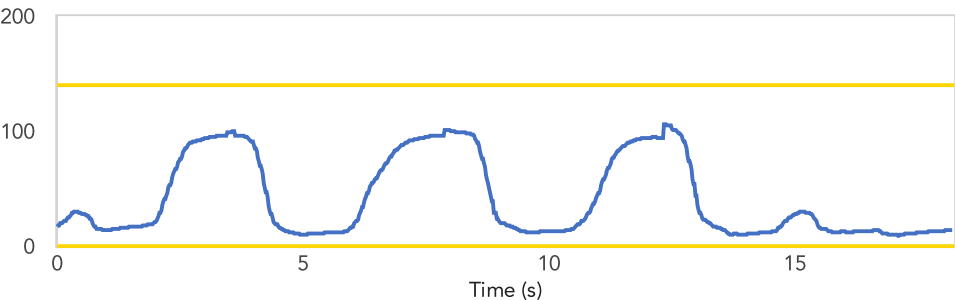
EMG (uV)



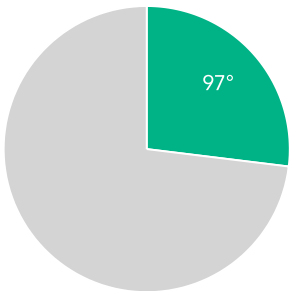
EMG Details

Time Recorded	19s
Avg Max EMG	48uV
Max EMG	62uV

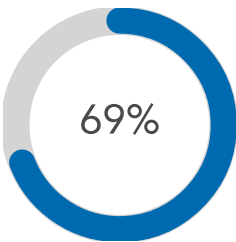
Range of Motion (°)



ROM Details



Goal Reached

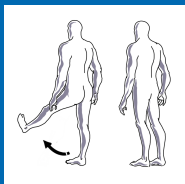


Consistency	★★★★★
Control	★★★★★
Smoothness	★★★★★
Co-Ordination	★★★★★

Time Recorded	19s
Range Gained	97°
Initial ROM	9°
Final ROM	106°
Target ROM	0° to 140°
Normal ROM	0° to 140°
Repetitions	4
Rep Speed	0.21reps/s
Hold Time	5s
Hold Angle	9°
Active Time	00m: 19s

Physio Remarks

MMT	3+	Type	Active



Left Hip Flexion

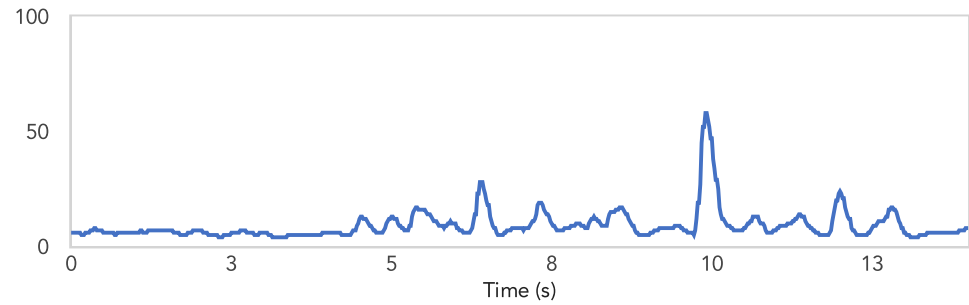
Gluteus Maximus

Stand

Session Recording: 1

Total Time 00m: 14s

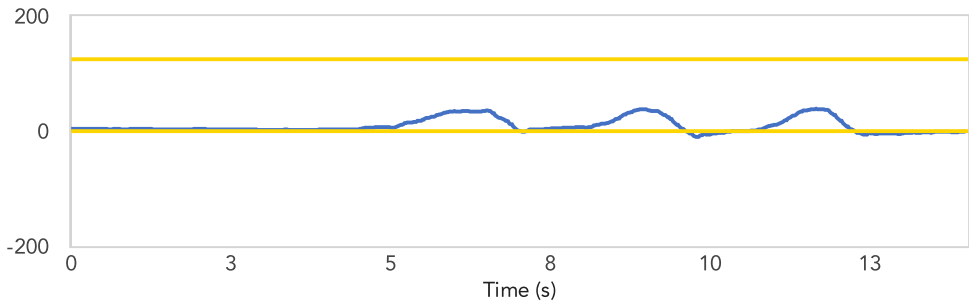
EMG (uV)



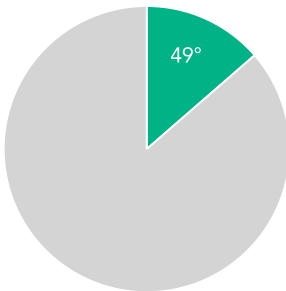
EMG Details

Time Recorded	14s
Avg Max EMG	28uV
Max EMG	58uV

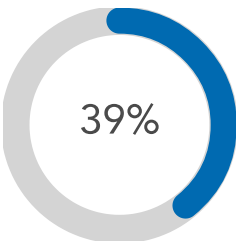
Range of Motion (°)



ROM Details



Goal Reached

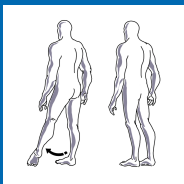


Consistency	★★★★★
Control	★★★★☆
Smoothness	★★★★☆
Co-Ordination	★★★★★

Time Recorded	14s
Range Gained	49°
Initial ROM	-10°
Final ROM	39°
Target ROM	0° to 125°
Normal ROM	0° to 125°
Repetitions	4
Rep Speed	0.33reps/s
Hold Time	2s
Hold Angle	36°
Active Time	00m: 12s

Physio Remarks

MMT	3+	Type	Active



Left Hip Abduction

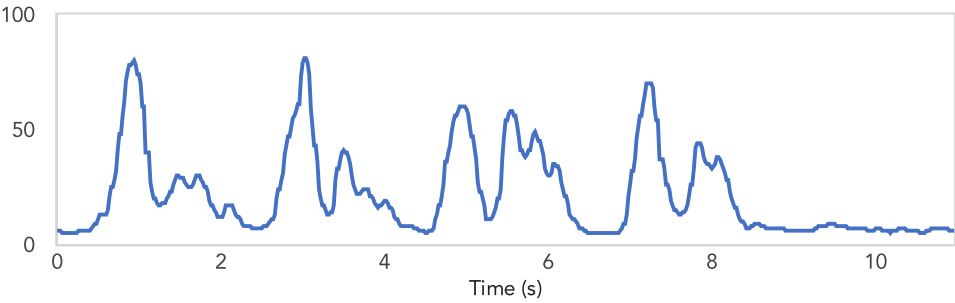
Gluteus Medius

Stand

Session Recording: 3

Total Time 00m: 11s

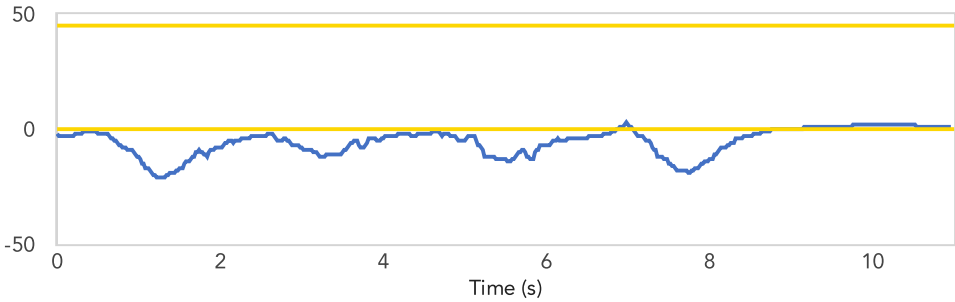
EMG (uV)



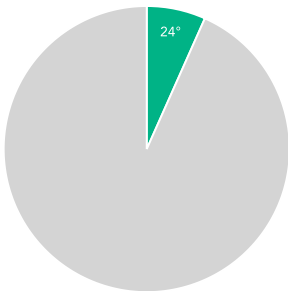
EMG Details

Time Recorded	11s
Avg Max EMG	76uV
Max EMG	81uV

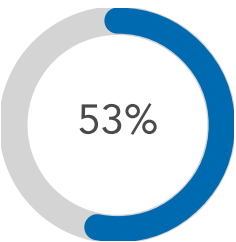
Range of Motion (°)



ROM Details



Goal Reached

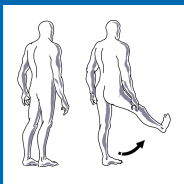


Consistency	★☆☆☆☆
Control	☆☆☆☆☆
Smoothness	★★★☆☆
Co-Ordination	★★☆☆☆

Time Recorded	11s
Range Gained	24°
Initial ROM	-21°
Final ROM	3°
Target ROM	0° to 45°
Normal ROM	0° to 45°
Repetitions	4
Rep Speed	0.4reps/s
Hold Time	1s
Hold Angle	-
Active Time	00m: 10s

Physio Remarks

MMT	3+	Type	Active



Right Hip Flexion

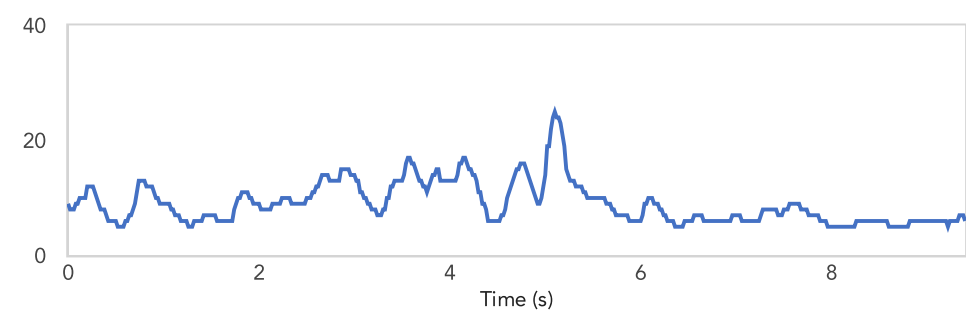
Gluteus Maximus

Stand

Session Recording: 2

Total Time 00m: 10s

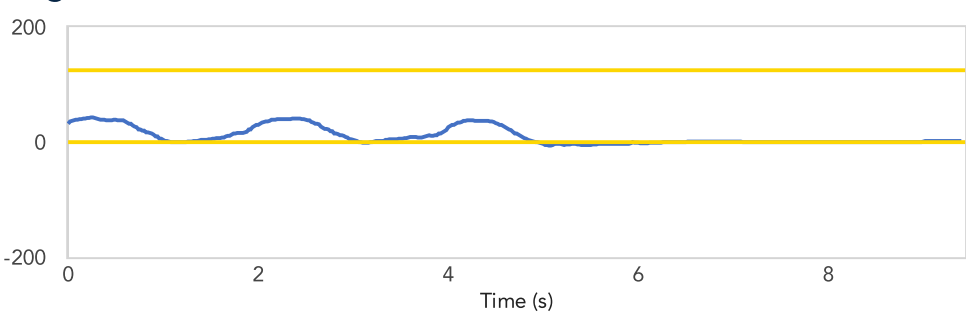
EMG (uV)



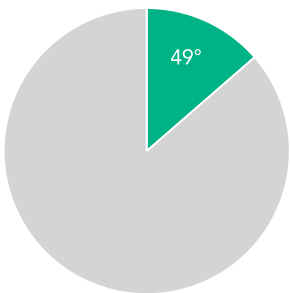
EMG Details

Time Recorded	10s
Avg Max EMG	15uV
Max EMG	25uV

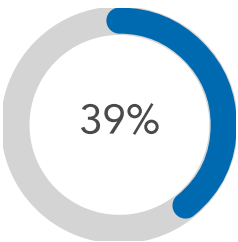
Range of Motion (°)



ROM Details



Goal Reached

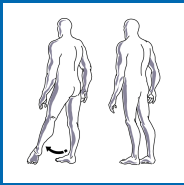


Consistency	★★★★☆
Control	★★★★★
Smoothness	★★★★☆
Co-Ordination	★★★★☆

Time Recorded	10s
Range Gained	49°
Initial ROM	-6°
Final ROM	43°
Target ROM	0° to 125°
Normal ROM	0° to 125°
Repetitions	3
Rep Speed	0.38reps/s
Hold Time	1s
Hold Angle	41°
Active Time	00m: 08s

Physio Remarks

MMT	3+	Type	Active



Left Hip Abduction

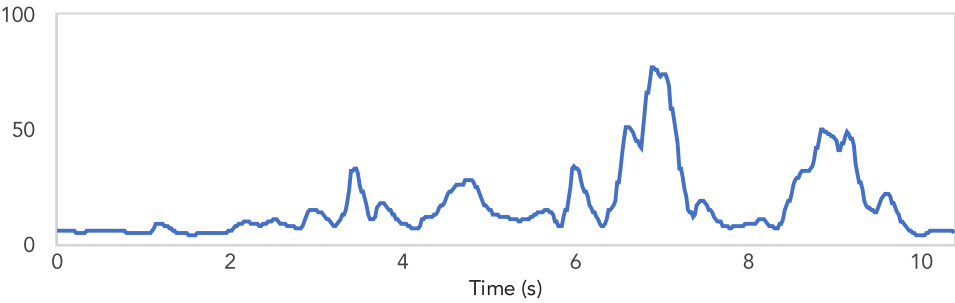
Gluteus Medius

Stand

Session Recording: 4

Total Time 00m: 11s

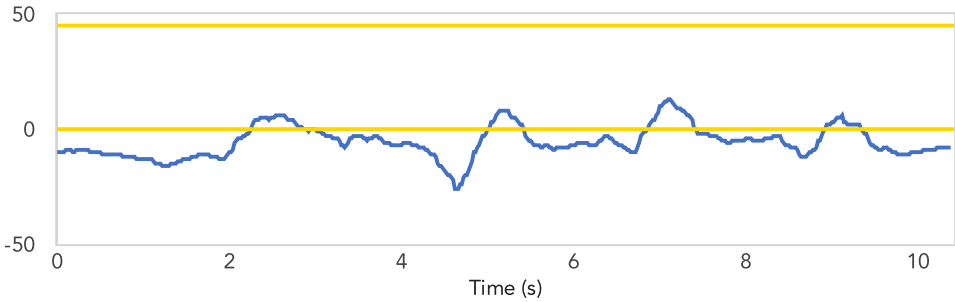
EMG (uV)



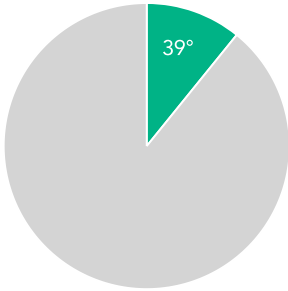
EMG Details

Time Recorded	11s
Avg Max EMG	44uV
Max EMG	77uV

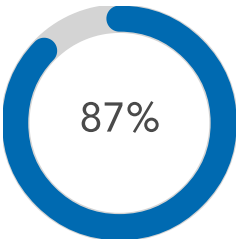
Range of Motion (°)



ROM Details



Goal Reached



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

Time Recorded	11s
Range Gained	39°
Initial ROM	-26°
Final ROM	13°
Target ROM	0° to 45°
Normal ROM	0° to 45°
Repetitions	4
Rep Speed	0.44reps/s
Hold Time	2s
Hold Angle	6°
Active Time	00m: 09s

Physio Remarks

MMT 3+ Type Active



Left Ankle Dorsiflexion

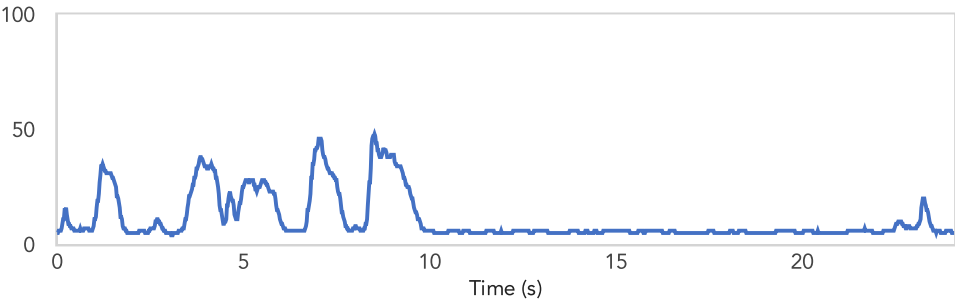
Tibialis Anterior



Session Recording: 5

Total Time 00m: 24s

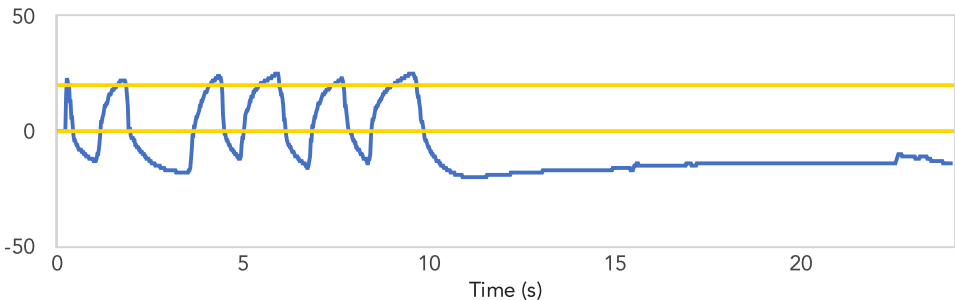
EMG (uV)



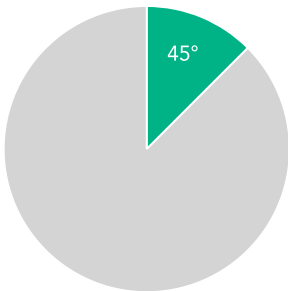
EMG Details

Time Recorded	24s
Avg Max EMG	24uV
Max EMG	48uV

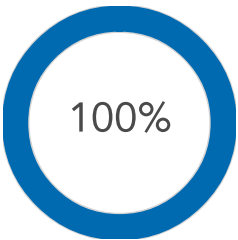
Range of Motion (°)



ROM Details



Goal Reached



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

Time Recorded	24s
Range Gained	45°
Initial ROM	-20°
Final ROM	25°
Target ROM	0° to 20°
Normal ROM	0° to 20°
Repetitions	6
Rep Speed	0.46reps/s
Hold Time	1s
Hold Angle	20°
Active Time	00m: 13s

Physio Remarks

MMT	1	Type	Active

Additional Comment

Next Session:_____

Time:_____

Report handed over by:_____

Dept:_____

Seal & Signature

Contact No.

Terms & Conditions

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- 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.
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Suggestions

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