



Update clinic name

Dr. Clinical Research ,
Ph : 9398772387



Session Date: Jun 26 2023, Mon, 3:52 am Session no: 3 Session Duration: 4m:30s Start Session: 03/05/2023 Last Session: May 24 2023



Ms. P.Sudha Madhavi, 46/F

Phone no:
9980111933

Mail ID:
a@gmail.com

Condition:
TKR

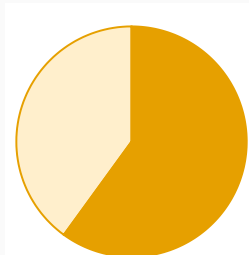
Speciality:
Ortho

Affected side:
Bi-Lateral

Medical History:
Others

Patient ID: 1 20230503034954

Adherence



60%

Adherence

● ROM
● EMG
● Poor Endurance

● Excellent
● Good
● Fair
● Need Attention

Muscles (Right Side) Ankle

(Assited)

● Tibialis Anterior
(89 uv)

Knee

● Vastus Medialis
(62 uv)

● Biceps Femoris
(125 uv)

● 0°-43° Flexion
1 of 3 Needs Attention

● 0°-95° Extension

● 1 of 3 Needs Attention

● 0°-13° Abduction
● 0°-3° Abduction
● 0°-39° Flexion

Hip ● 1 of 3 Needs Attention

Muscles (Left Side) Ankle

(Assited)

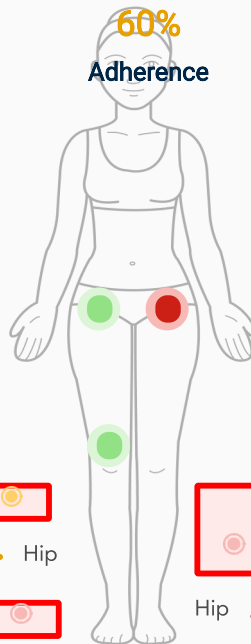
● Tibialis Anterior
(122 uv)

Knee

● Rectus Femoris
(68 uv)

● Popliteus
(124 uv)

● Rectus Femoris
(158 uv)



Muscles (Right Side)

Hip

(Assited)



Gluteus Maximus
(25 uv)

Muscles (Left Side)

Knee

(Assited)



Popliteus
(37 uv)



Vastus Medialis
(121 uv)



Vastus Medialis
(121 uv)



Biceps Femoris
(62 uv)

Hip



Gluteus Maximus
(58 uv)



Gluteus Medius
(81 uv)

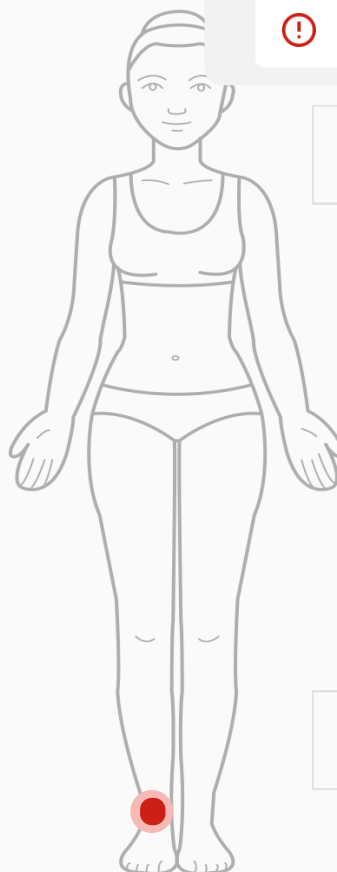


Gluteus Medius
(77 uv)

Ankle



Tibialis Anterior
(0 uv)





Ankle | Tibialis Anterior | Dorsiflexion

Right (Sit)

Session recording no: 3

0°-106°
Extension
0°-81° Flexion

Dr. Clinical Research
Knee 1 of 3
Needs Attention
00m: 14s

0°-29°
Dorsiflexion

1 of 3
Needs Attention

Ankle

EMG

89uV

Baseline

Week 7

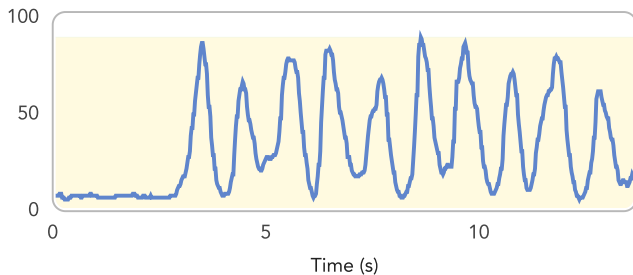
ROM

29°

Baseline

Week 7

EMG (uV)



Peak: 89uV

Avg Peak: 79uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 29°

Start Angle: -48°

Range Gained: 77°

Target ROM: 20°

Repetitions

Repetition Speed

Hold Time

Hold Angle

6

0.43reps/s

1s

25°

MMT

3
Movement against Gravity

Pain scale

0/10

No Pain

Session type

Active

Patient status

Lethargic

Consistency

of peak muscle contractions

Average

Control

of muscle activation timing

Great

Smoothness

of movement with no tremors

Great

Coordination

of movement and muscle

Great

For Ankle joint Dorsiflexion movement, The joint mobility of Right side decreased from 195% to 145% of healthy ROM in 54 days. 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.



Ankle | Tibialis Anterior | Dorsiflexion

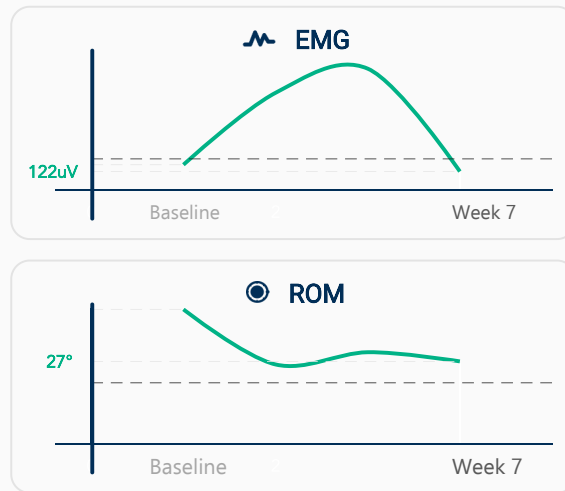
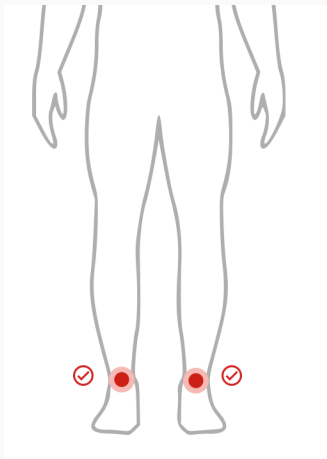
Left (Sit)

Session recording no: 4

Dr. Clinical Research



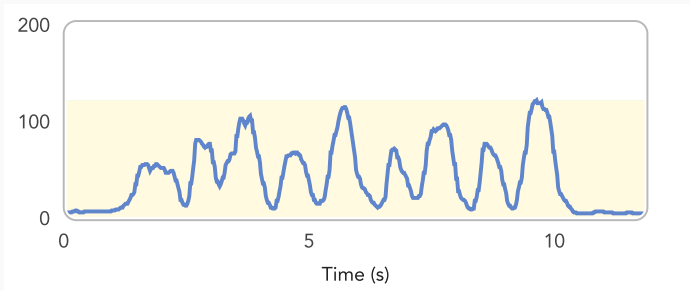
00m: 12s



Summary

For Ankle joint Dorsiflexion movement, The joint mobility of Left side decreased from 150% to 125% of healthy ROM in 54 days. The EMG of Left side decreased from 791uV to 48uV in 54 days.

EMG (uV)



Peak: 122uV
Avg Peak: 114uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 27°

Start Angle: -60°

Range Gained: 87°
Target ROM: 20°

Repetitions	Repetition Speed	Hold Time	Hold Angle
5	0.5reps/s	1s	13°

MMT	3 Movement against Gravity
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

Consistency of peak muscle contractions	★★★★★
Control of muscle activation timing	★★★★★
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★☆☆ Average



Knee | Vastus Medialis | Extension

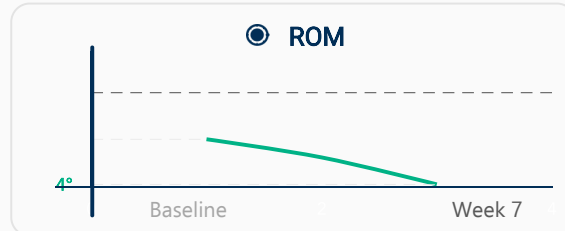
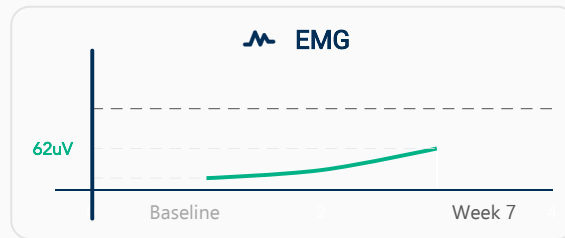
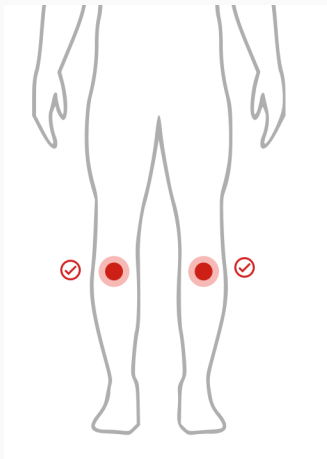
Right (Stand)

Session recording no: 3

Dr. Clinical Research



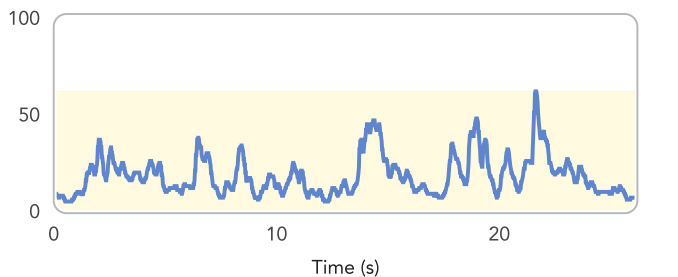
00m: 26s



Summary

For Knee joint Extension movement, The joint mobility of Right side decreased from 31% to 2% of healthy ROM in 54 days. The EMG of Right side increased from 30uV to 62uV in 54 days. The EMG of Right side is weaker than its reference side. The current ROM of Left side is stronger than its reference side.

EMG (uV)

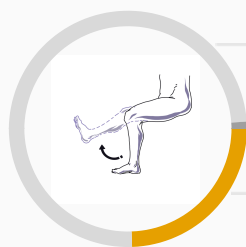


Peak: 62uV

Avg Peak: 46uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 4°

Start Angle: -88°

Range Gained: 92°

Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
3	0.1reps/s	5s	10°

MMT	3+ Movement against Gravity
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

Consistency of peak muscle contractions	★★★★★ Poor
Control of muscle activation timing	★★★★★ Average
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★ Average



Knee | Biceps Femoris | Extension

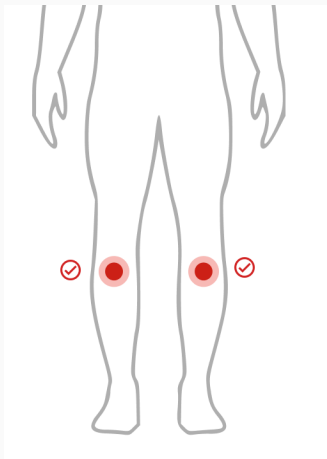
Right (Stand)

Session recording no: 1

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00m: 32s

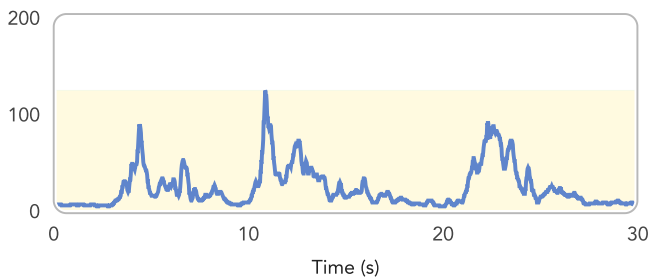


	EMG	Left side	Muscle activity
Baseline	125 uV	62 uV	Excellent

	ROM	Left side	%
Baseline	101°	-°	72

Summary

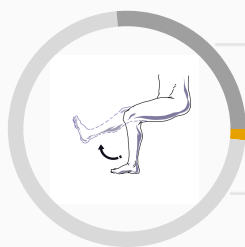
EMG (uV)



Peak: 125uV

Avg Peak: 53uV

ROM (°)



End Angle: 95°

Start Angle: -6°

Range Gained: 101°

Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
3	0.11reps/s	4s	111°

MMT	4 Movement with Resistance
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

Consistency of peak muscle contractions	★★★★★
Control of muscle activation timing	★★★★★
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★ Great



Knee | Rectus Femoris | Flexion

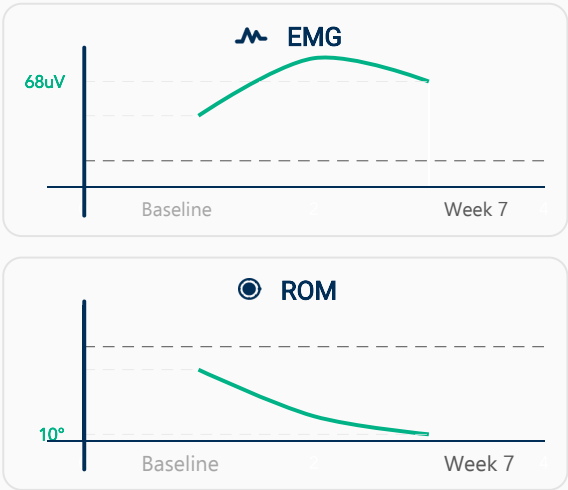
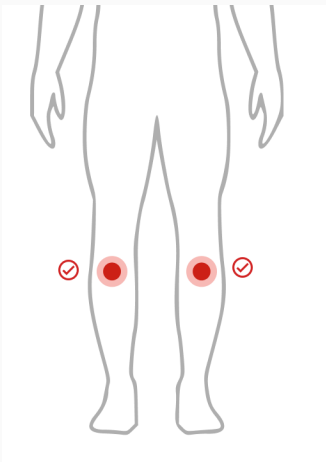
Left (Sit)

Session recording no: 3

Dr. Clinical Research



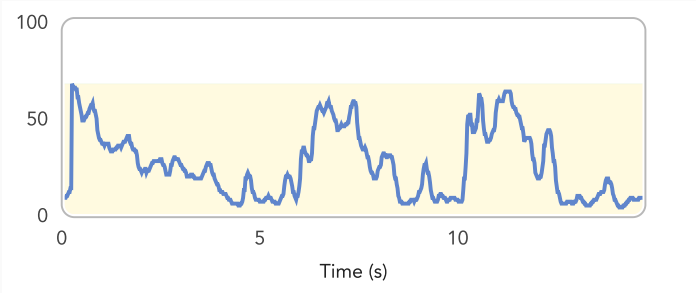
00m: 15s



Summary

For Knee joint Flexion movement, The joint mobility of Left side decreased from 26% to 7% of healthy ROM in 54 days. The EMG of Left side decreased from 83uV to 68uV in 54 days.

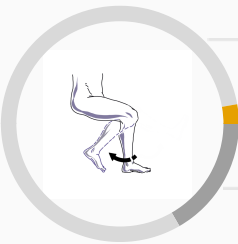
EMG (uV)



Peak: 68uV
Avg Peak: 64uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 10°

Start Angle: -60°

Range Gained: 70°
Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
1	0.05reps/s	3s	82°

MMT	3+ Movement against Gravity
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

Consistency of peak muscle contractions	★★★★★ Average
Control of muscle activation timing	★★★★★ Average
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★ Great



Knee | Popliteus | Flexion

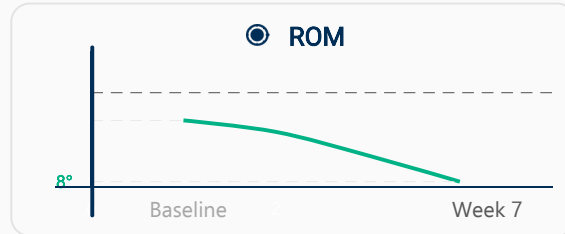
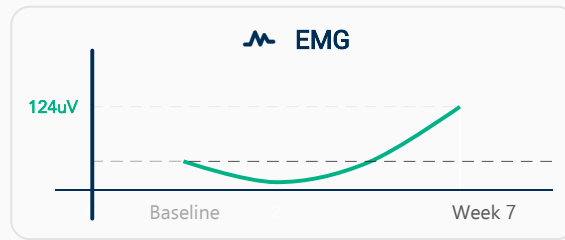
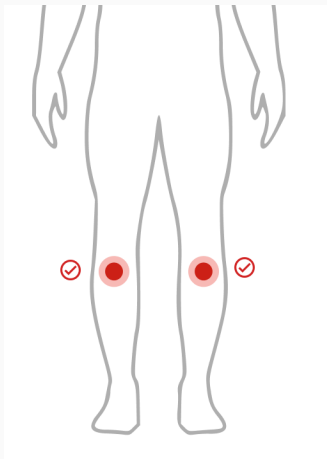
Left (Sit)

Session recording no: 4

Dr. Clinical Research



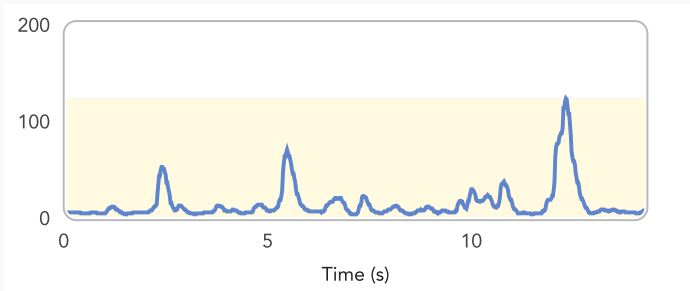
00m: 14s



Summary

For Knee joint Flexion movement, The joint mobility of Left side decreased from 70% to 47% of healthy ROM in 54 days. The EMG of Left side decreased from 43uV to 37uV in 54 days.

EMG (uV)

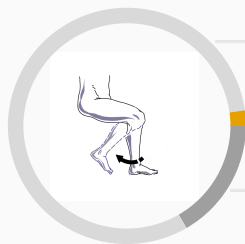


Peak: 124uV

Avg Peak: 69uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 8°

Start Angle: -60°

Range Gained: 68°

Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
4	0.22reps/s	2s	15°

MMT	3+ Movement against Gravity
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

Consistency of peak muscle contractions	★★★★★
Control of muscle activation timing	★★★★★ Great
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★☆☆ Average



Knee | Rectus Femoris | Flexion

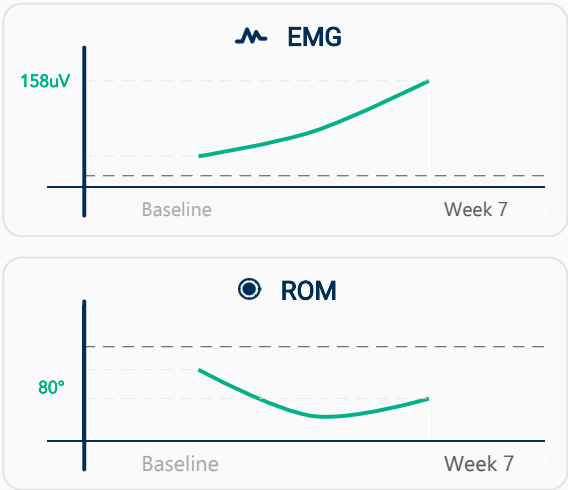
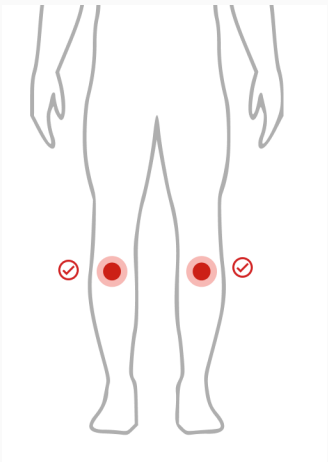
Left (Sit)

Session recording no: 4

Dr. Clinical Research



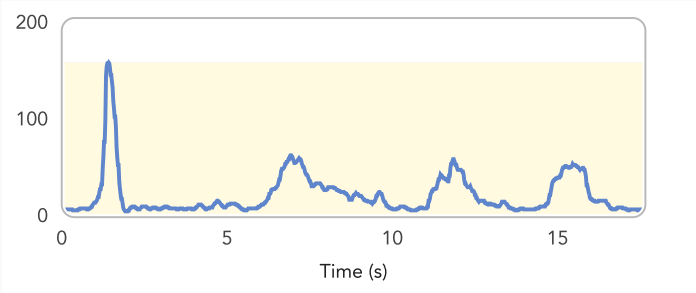
00m: 18s



Summary

For Knee joint Flexion movement, The joint mobility of Left side decreased from 26% to 7% of healthy ROM in 54 days. The EMG of Left side decreased from 83uV to 68uV in 54 days.

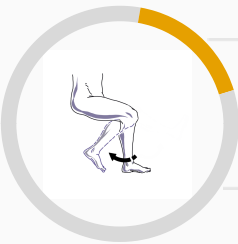
EMG (uV)



Peak: 158uV
Avg Peak: 73uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 80°

Start Angle: 17°

Range Gained: 63°
Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
2	0.12reps/s	3s	17°

MMT	3+ Movement against Gravity
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

Consistency of peak muscle contractions	★★★★★
Control of muscle activation timing	★★★★★ Poor
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★



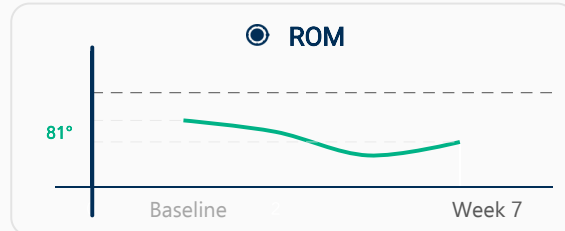
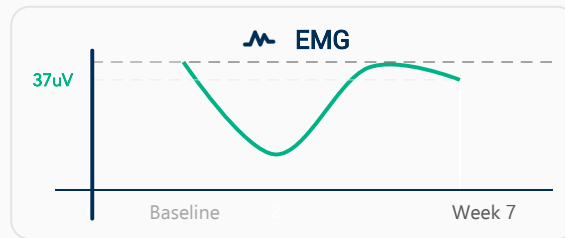
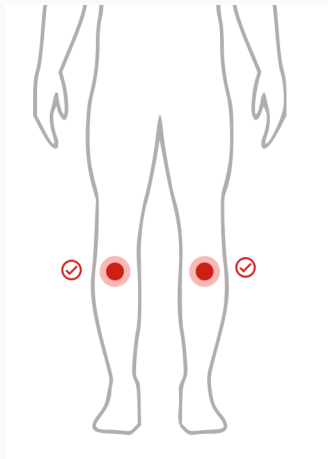
Knee | Popliteus | Flexion

Left (Sit)

Session recording no: 5

Dr. Clinical Research

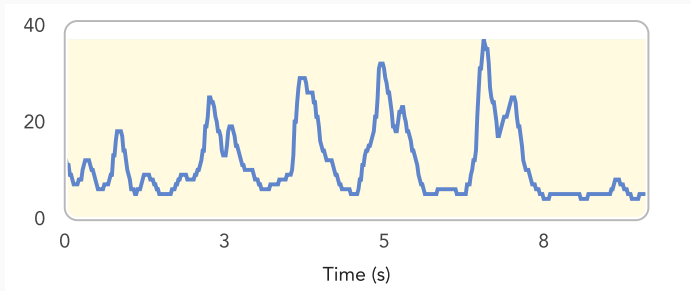
00m: 10s



Summary

For Knee joint Flexion movement, The joint mobility of Left side decreased from 70% to 47% of healthy ROM in 54 days. The EMG of Left side decreased from 43uV to 37uV in 54 days.

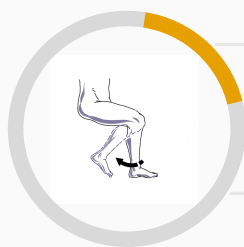
EMG (uV)



Peak: 37uV
Avg Peak: 31uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 81°

Start Angle: 14°

Range Gained: 67°
Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
3	0.33reps/s	2s	16°

MMT	3+ Movement against Gravity
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

Consistency of peak muscle contractions	★★★★★ Average
Control of muscle activation timing	★★★★★
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★ Great

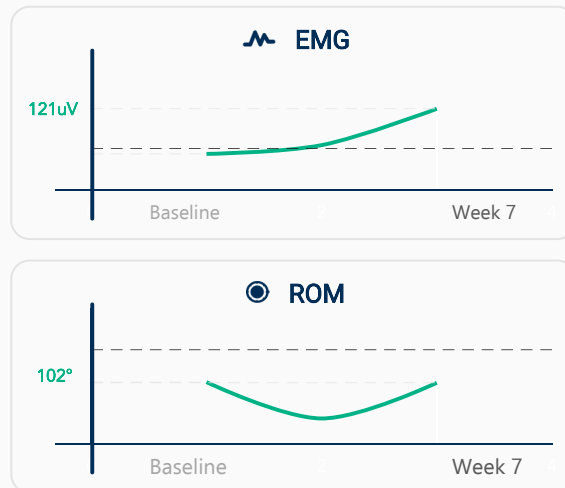
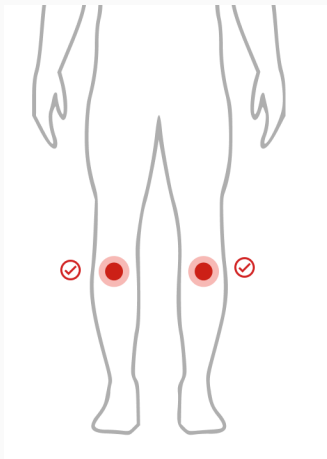


Knee | Vastus Medialis | Extension

Left (Stand)
Session recording no: 4

Dr. Clinical Research

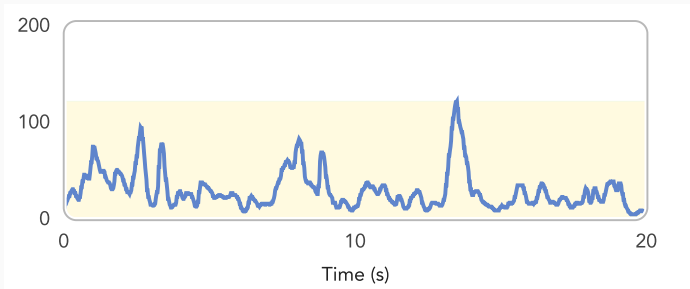
00m: 20s



Summary

For Knee joint Extension movement, The joint mobility of Left side increased from 27% to 65% of healthy ROM in 54 days. The EMG of Left side increased from 67uV to 121uV in 54 days.

EMG (uV)



Peak: 121uV
Avg Peak: 84uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 102°

Start Angle: 11°

Range Gained: 91°
Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
3	0.15reps/s	5s	11°



MMT	3+ Movement against Gravity
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

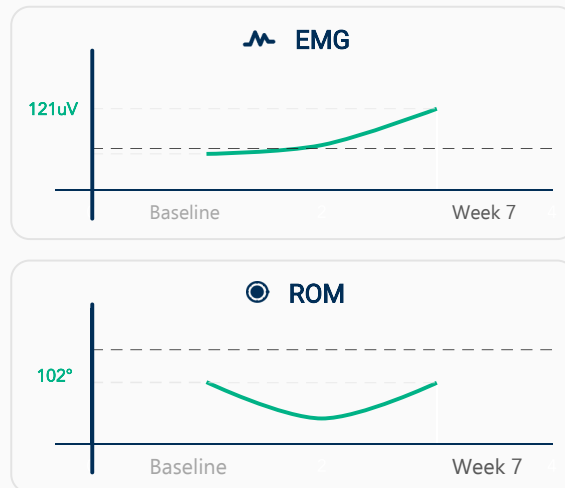
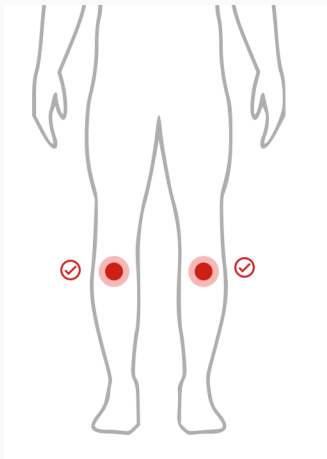
Consistency of peak muscle contractions	★★★★★ Average
Control of muscle activation timing	★★★★★ Average
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★ Average



Knee | Vastus Medialis | Extension

Left (Stand)
Session recording no: 4

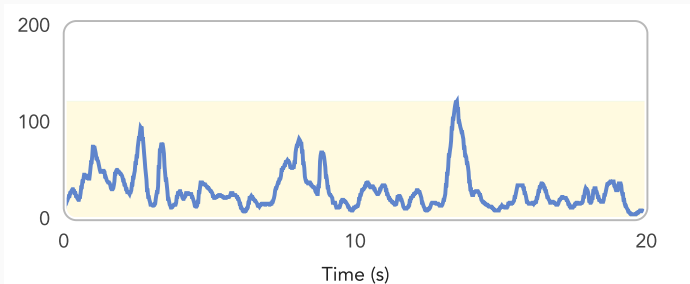
Dr. Clinical Research 
00m: 20s 



Summary

For Knee joint Extension movement, The joint mobility of Left side increased from 27% to 65% of healthy ROM in 54 days. The EMG of Left side increased from 67uV to 121uV in 54 days.

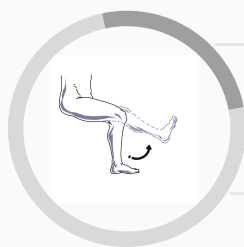
EMG (uV)



Peak: 121uV
Avg Peak: 84uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 102°

Start Angle: 11°

Range Gained: 91°
Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
3	0.15reps/s	5s	11°

MMT	3+ Movement against Gravity
Pain scale	/10 No Pain
Session type	Active
Patient status	Lethargic

Consistency of peak muscle contractions	★★★★★ Average
Control of muscle activation timing	★★★★★ Average
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★ Average



Knee | Biceps Femoris | Extension

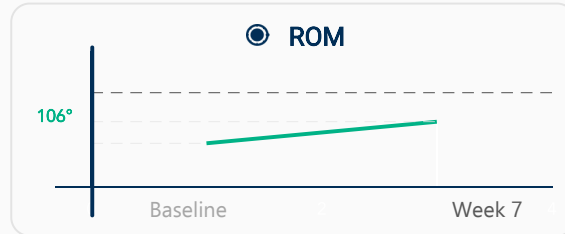
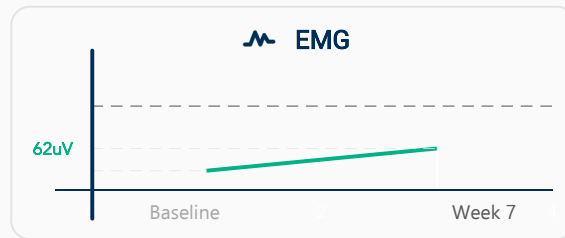
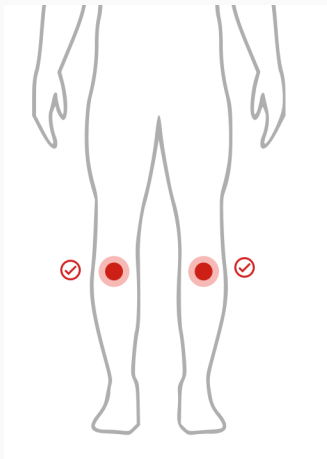
Left (Stand)

Session recording no: 2

Dr. Clinical Research



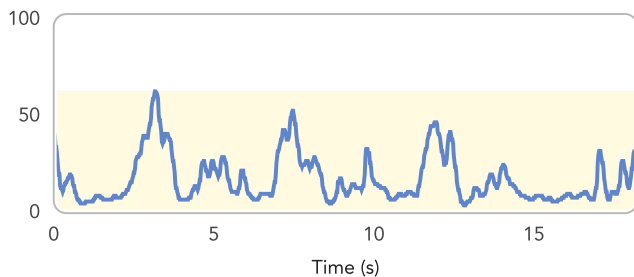
00m: 19s



Summary

For Knee joint Extension movement, The joint mobility of Left side increased from 46% to 69% of healthy ROM in 54 days. The EMG of Left side increased from 29uV to 62uV in 54 days.

EMG (uV)

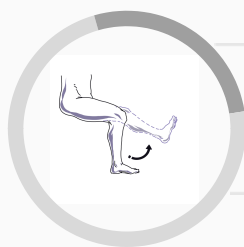


Peak: 62uV

Avg Peak: 48uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 106°

Start Angle: 9°

Range Gained: 97°

Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
4	0.21reps/s	5s	9°

MMT

3+
Movement against Gravity

Pain scale **0/10**
No Pain

Session type **Active**

Patient status **Lethargic**

Consistency
of peak muscle contractions

★ ★ ★ ★ ★
Poor

Control
of muscle activation timing

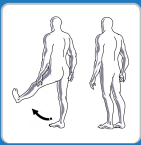
★ ★ ★ ★ ★
Average

Smoothness
of movement with no tremors

★ ★ ★ ★ ★
Great



Coordination
of movement and muscle

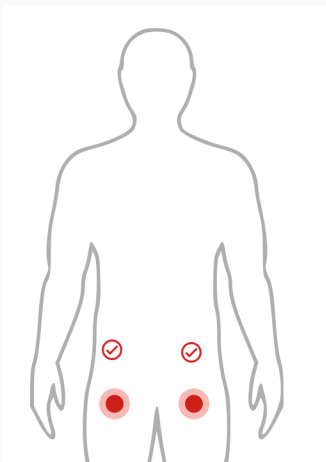
★ ★ ★ ★ ★
Average





Hip | Gluteus Maximus | Flexion

Left (Stand)
Session recording no: 1

Dr. Clinical Research 
00m: 14s 

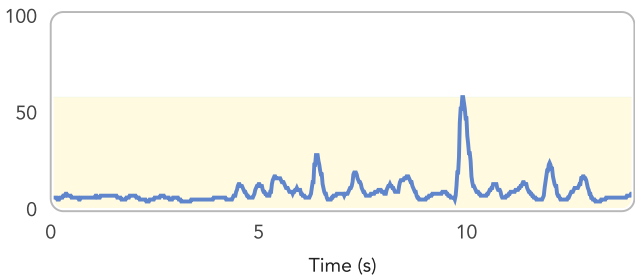


	EMG	Right side	Muscle activity
Baseline	58 uV	25 uV	Excellent

	ROM	Right side	%
Baseline	49°	-°	39

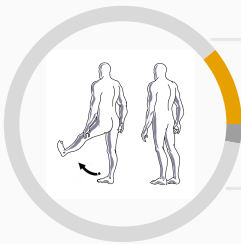
Summary

EMG (uV)



Peak: 58uV
Avg Peak: 28uV

ROM (°)



End Angle: 39°
Start Angle: -10°

Range Gained: 49°
Target ROM: 125°

Repetitions	Repetition Speed	Hold Time	Hold Angle
4	0.33reps/s	2s	36°

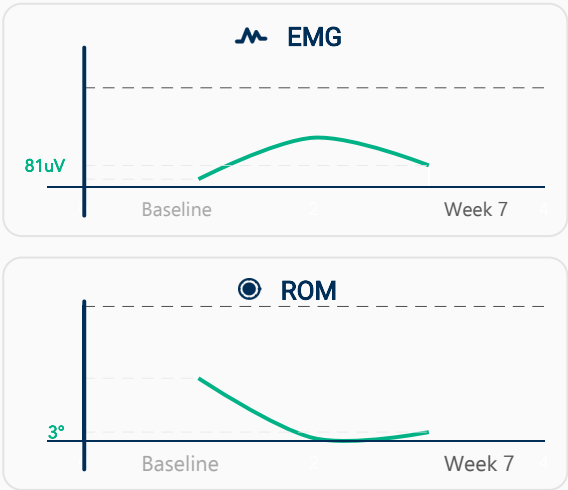
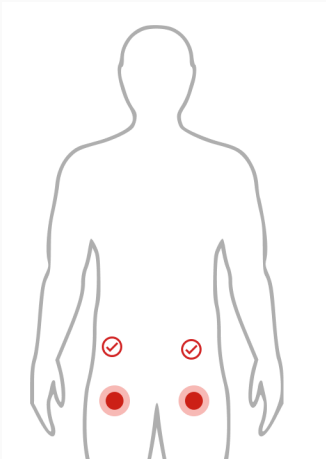
MMT	3+ Movement against Gravity	Consistency of peak muscle contractions	★★★★★
Pain scale	0/10 No Pain	Control of muscle activation timing	★★★☆☆ Average
Session type	Active	Smoothness of movement with no tremors	★★★★★ Great
Patient status	Lethargic	Coordination of movement and muscle	★★★★★ Great



Hip | Gluteus Medius | Abduction

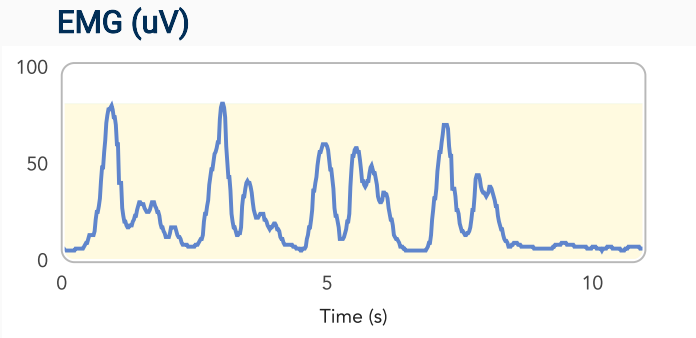
Left (Stand)
Session recording no: 3

Dr. Clinical Research +
00m: 11s ⌚



Summary

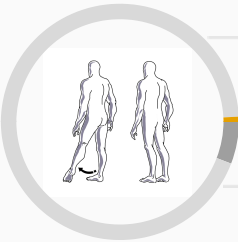
For Hip joint Abduction movement, The joint mobility of Left side decreased from 46% to 6% of healthy ROM in 54 days. The EMG of Left side increased from 30uV to 81uV in 54 days.



Peak: 81uV
Avg Peak: 76uV

*displayed graph is recorded for first 30 secs only

ROM (°)

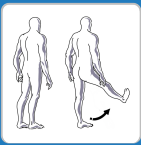


Range Gained: 24°
Target ROM: 45°

Repetitions	Repetition Speed	Hold Time	Hold Angle
4	0.4reps/s	1s	-

MMT	3+ Movement against Gravity
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

Consistency of peak muscle contractions	★★★★★ Poor
Control of muscle activation timing	★★★★★
Smoothness of movement with no tremors	★★★★★ Average
Coordination of movement and muscle	★★★★★ Average

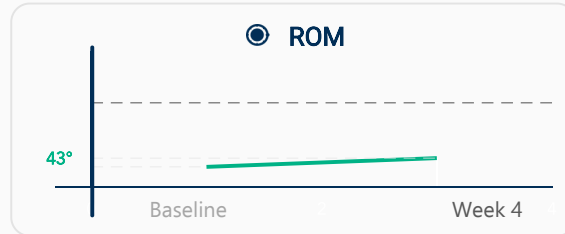
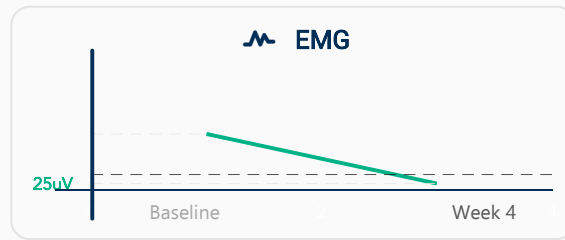
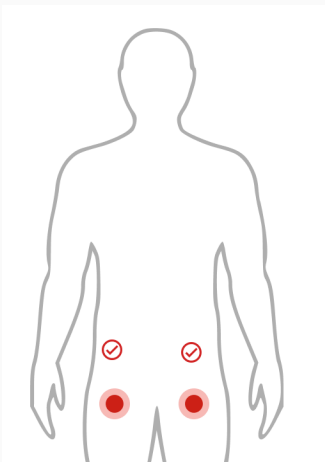


Hip | Gluteus Maximus | Flexion

Right (Stand)
Session recording no: 2

Dr. Clinical Research

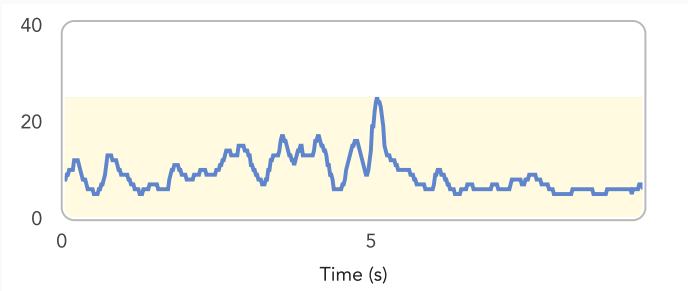
00m: 10s



Summary

The current EMG of Left side is weaker than its reference side. The current ROM of Left side is stronger than its reference side. For Hip joint Flexion movement, The joint mobility of Right side increased from 24% to 34% of healthy ROM in 33 days. The EMG of Right side decreased from 209uV to 25uV in 33 days.

EMG (uV)

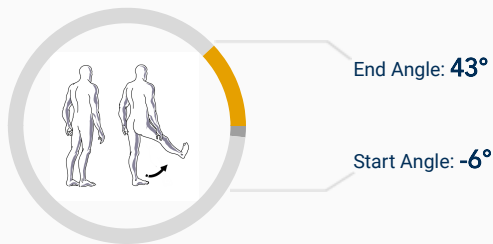


Peak: 25uV

Avg Peak: 15uV

*displayed graph is recorded for first 30 secs only

ROM (°)



Range Gained: 49°

Target ROM: 125°

Repetitions	Repetition Speed	Hold Time	Hold Angle
3	0.38reps/s	1s	41°

MMT	3+ Movement against Gravity
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

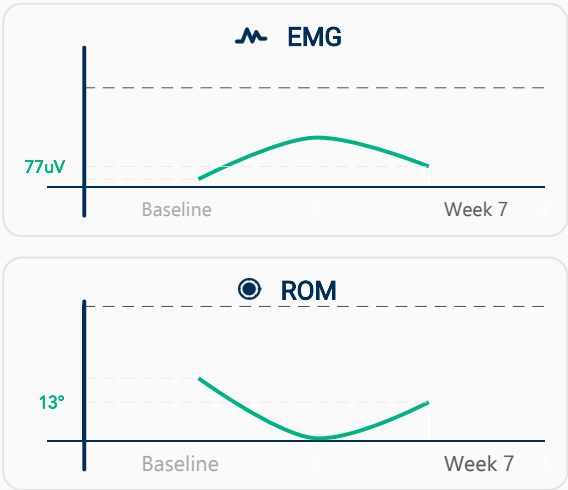
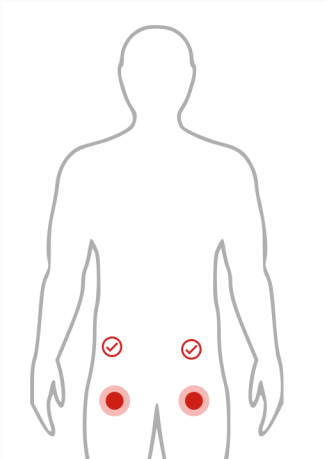
Consistency of peak muscle contractions	★★★★★ Average
Control of muscle activation timing	★★★★★ Great
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★



Hip | Gluteus Medius | Abduction

Left (Stand)
Session recording no: 4

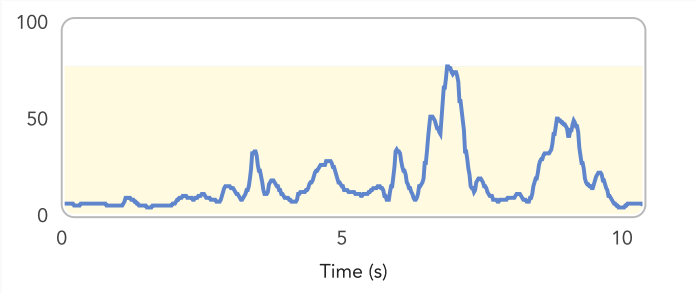
Dr. Clinical Research +
00m: 11s ⌚



Summary

For Hip joint Abduction movement, The joint mobility of Left side decreased from 46% to 6% of healthy ROM in 54 days. The EMG of Left side increased from 30uV to 81uV in 54 days.

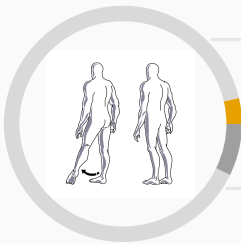
EMG (uV)



Peak: 77uV
Avg Peak: 44uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 13°

Start Angle: -26°

Range Gained: 39°
Target ROM: 45°

Repetitions	Repetition Speed	Hold Time	Hold Angle
4	0.44reps/s	2s	6°

MMT	3+ Movement against Gravity
Pain scale	0/10 No Pain
Session type	Active
Patient status	Lethargic

Consistency of peak muscle contractions	★★★★★
Control of muscle activation timing	★★★★★ Average
Smoothness of movement with no tremors	★★★★★ Average
Coordination of movement and muscle	★★★★★



Ankle | Tibialis Anterior | Dorsiflexion

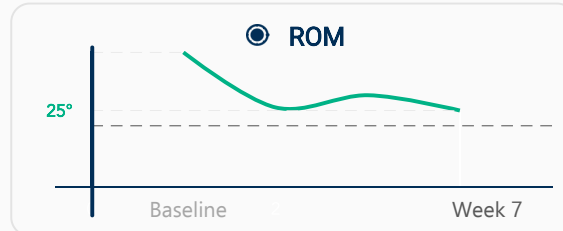
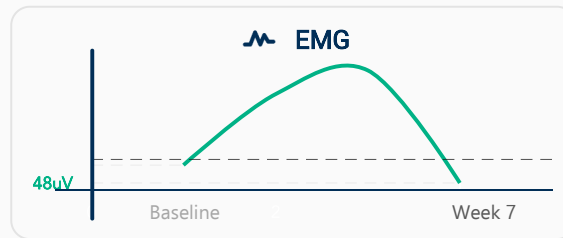
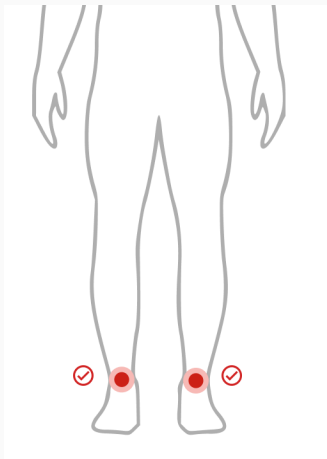
Left (Sit)

Session recording no: 5

Dr. Clinical Research



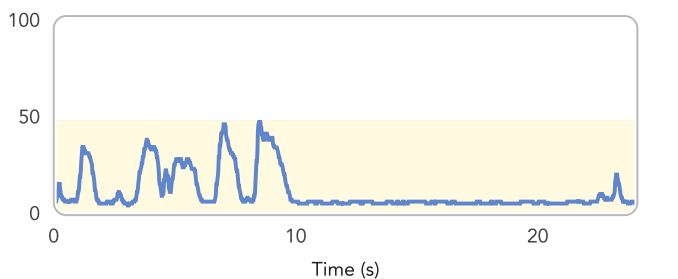
00m: 24s



Summary

For Ankle joint Dorsiflexion movement, The joint mobility of Left side decreased from 150% to 125% of healthy ROM in 54 days. The EMG of Left side decreased from 791uV to 48uV in 54 days.

EMG (uV)



Peak: 48uV
Avg Peak: 24uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 25°

Start Angle: -20°

Range Gained: 45°
Target ROM: 20°

Repetitions	Repetition Speed	Hold Time	Hold Angle
6	0.46reps/s	1s	20°

MMT

1
Slight Movement

Pain scale 0/10
No Pain

Session type Active

Patient status Lethargic

Consistency
of peak muscle contractions

★★★★★
Average

Control
of muscle activation timing

★★★★★
Great

Smoothness
of movement with no tremors

★★★★★
Great

Coordination
of movement and muscle

★★★★★
Poor

Additional Comment

Next Session: _____

Time: _____

Report handed over by: _____

Dept: _____

Seal & Signature

Caregiver's Contact No. _____

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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.
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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.