



Update clinic name

Dr. Clinical Research ,
Ph : 9398772387



Session Date: May 24 2023, Wed, 3:23 am Session no: 2 Session Duration: 5m:15s Start Session: 03/05/2023 Last Session: May 03 2023



Ms. P.Sudha Madhavi, 46/F

Phone no:
9980111933

Mail ID:
a@gmail.com

Condition:
TKR

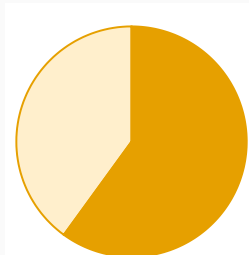
Speciality:
Ortho

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)

Knee

(Assited)

⚠️ Rectus Femoris
(17 uv)

⚠️ Vastus Medialis
(30 uv)

👎 Popliteus
(43 uv)

Ankle

👍 Tibialis Anterior
(204 uv)

0°-17° Abduction
0°-81° Extension
0°-30° Flexion

👣 1 of 3 Needs
Attention

👣 Hip

0°-1° Abduction
0°-6° Extension
0°-3° Flexion

👣 1 of 3 Needs
Attention

👣 Hip

Muscles (Left Side)

Knee

(Assited)

👍 Rectus Femoris
(83 uv)

👍 Vastus Medialis
(67 uv)

👎 Popliteus
(41 uv)

Ankle

👍 Tibialis Anterior
(634 uv)

Muscles (Right Side)

Hip

(Assited)



Biceps Femoris
(31 uv)



Gluteus Maximus
(209 uv)



Gluteus Medius
(806 uv)



Gluteus Medius
(369 uv)

Muscles (Left Side)

Ankle

(Assited)



Tibialis Anterior
(791 uv)

Hip



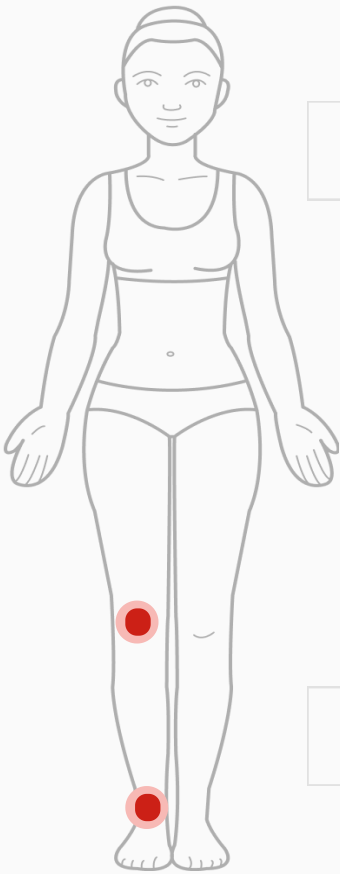
Biceps Femoris
(10 uv)



Gluteus Maximus
(230 uv)



Gluteus Medius
(0 uv)



Knee | Rectus Femoris | Flexion

Right (Sit)

Session recording no: 1

0°-76° Extension
0°-78° Flexion
0°-84° Flexion

Dr. Clinical Research

Knee

Excellent

00m: 24s



Knee Excellent Knee

0°-14°
Dorsiflexion

1 of 3
Needs
Attention

Ankle



EMG

Left
side

Muscle
activity

Baseline

17 uV

83 uV

Needs
Attention



ROM

Left
side

%

Baseline

14°

-°

10

Su

0°-30°
Dorsiflexion

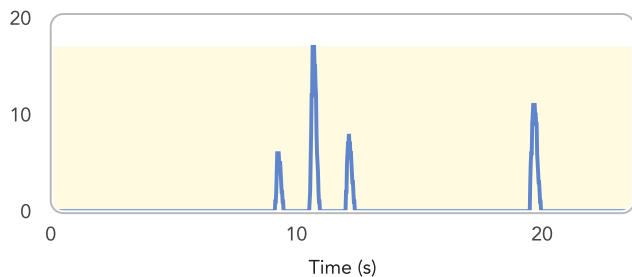
Ankle



1 of 3
Needs
Attention



EMG (uV)

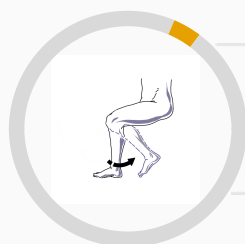


Peak: 17uV

Avg Peak: 14uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 67°

Start Angle: 53°

Range Gained: 14°

Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
1	0.08reps/s	5s	53°

MMT

2

Movement without
Resistance

Pain scale

3/10

Mild Pain

Session type

Active

Patient status

Lethargic

Consistency

of peak muscle contractions



Control

of muscle activation timing



Average

Smoothness

of movement with no tremors



Great

Coordination

of movement and muscle



Average



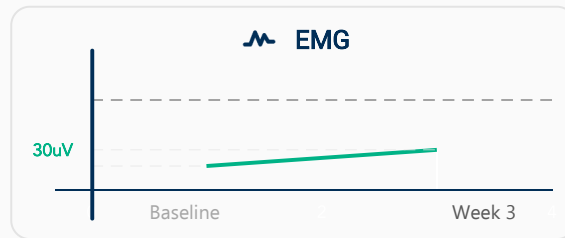
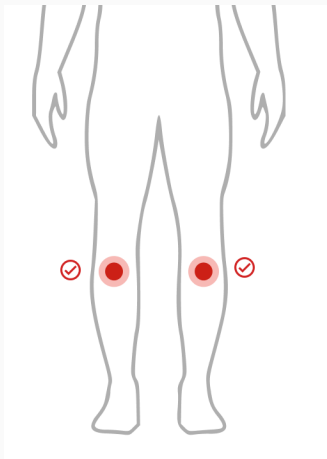
Knee | Vastus Medialis | Extension

Right (Sit)

Session recording no: 2

Dr. Clinical Research

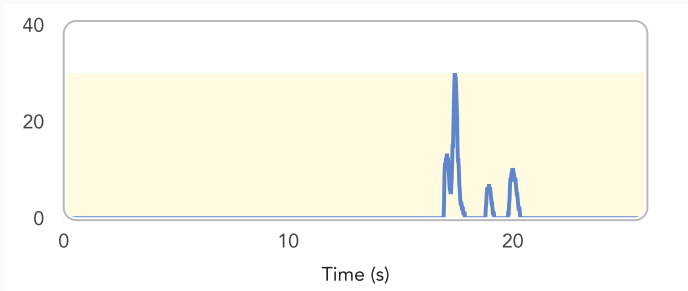
00m: 26s



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.

EMG (uV)

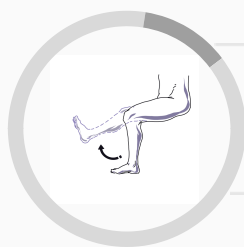


Peak: 30uV

Avg Peak: 0uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 81°

Start Angle: 37°

Range Gained: 44°

Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
1	0.05reps/s	2s	37°

MMT	2 Movement without Resistance
Pain scale	3/10 Mild 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	★★★★★



Knee | Popliteus | Flexion

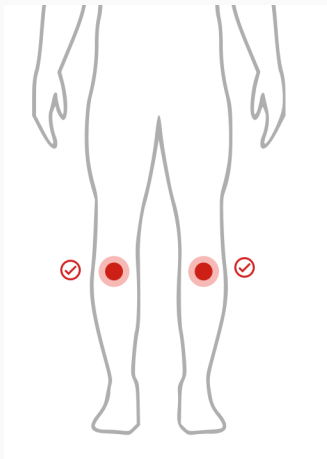
Right (Sit)

Session recording no: 1

Dr. Clinical Research



00m: 27s

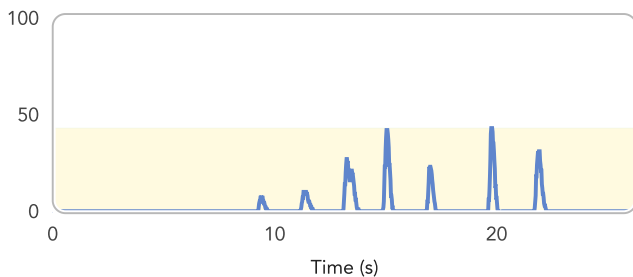


	EMG	Left side	Muscle activity
Baseline	43 uV	41 uV	Excellent

	ROM	Left side	%
Baseline	27°	-°	19

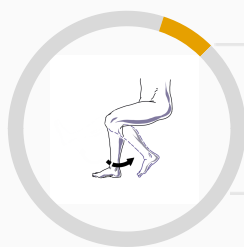
Summary

EMG (uV)



Peak: 43uV
Avg Peak: 31uV

ROM (°)



End Angle: 72°

Start Angle: 45°

Range Gained: 27°
Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
2	0.09reps/s	1s	52°

MMT	3 Movement against Gravity
Pain scale	1/10 Mild Pain
Session type	Active
Patient status	Lethargic

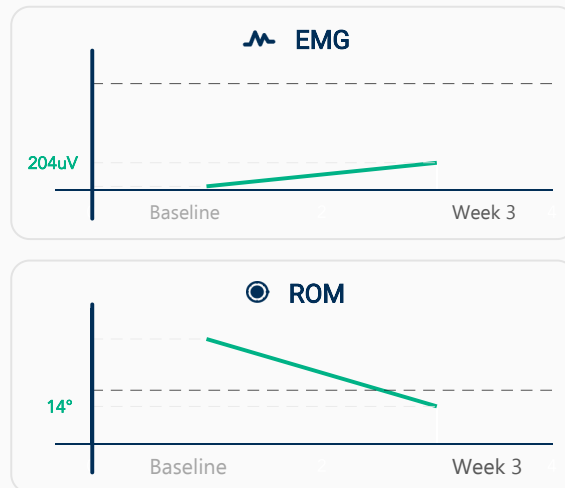
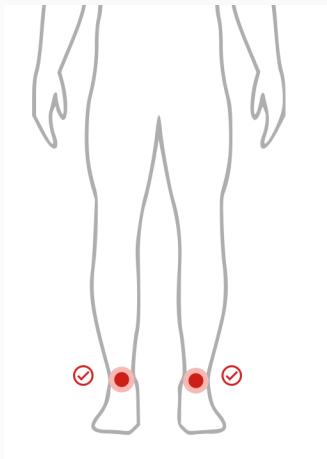
Consistency of peak muscle contractions	★★★★★
Control of muscle activation timing	★★★★★ Poor
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★ Average



Ankle | Tibialis Anterior | Dorsiflexion

Right (Sit)
Session recording no: 2

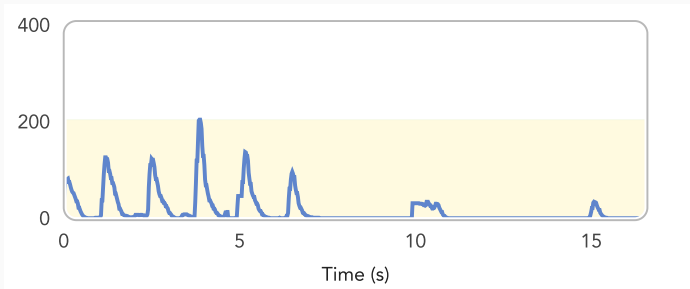
Dr. Clinical Research +
00m: 17s



Summary

For Ankle joint Dorsiflexion movement, The joint mobility of Right side decreased from 195% 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.

EMG (uV)



Peak: 204uV
Avg Peak: 91uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 14°

Start Angle: -38°

Range Gained: 52°
Target ROM: 20°

Repetitions	Repetition Speed	Hold Time	Hold Angle
5	0.56reps/s	11s	-

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	★★★★★ Great
Coordination of movement and muscle	★★★★★ Great



Knee | Rectus Femoris | Flexion

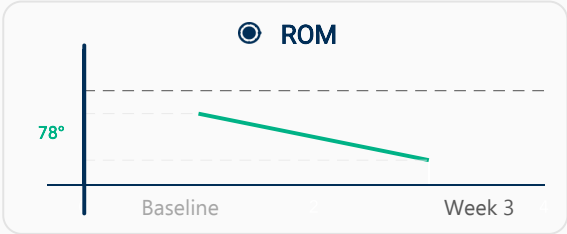
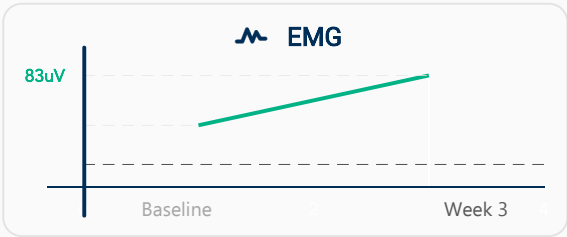
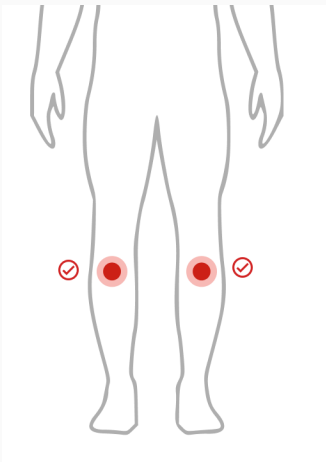
Left (Sit)

Session recording no: 2

Dr. Clinical Research



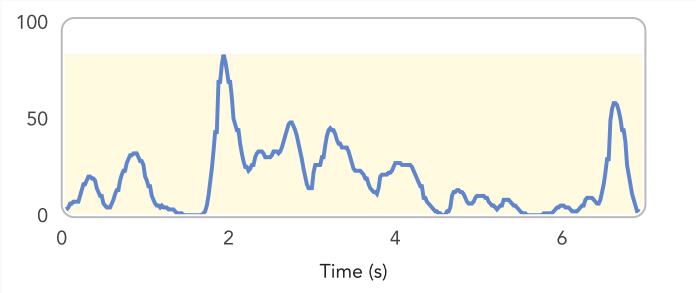
00m: 07s



Summary

For Knee joint Flexion movement, The joint mobility of Left side decreased from 75% to 26% of healthy ROM in 21 days. The EMG of Left side increased from 46uV to 83uV in 21 days.

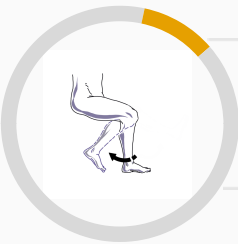
EMG (uV)



Peak: 83uV
Avg Peak: 70uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 78°

Start Angle: 41°

Range Gained: 37°
Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
3	0.5reps/s	1s	41°

MMT	1 Slight Movement
Pain scale	4/10 Moderate
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



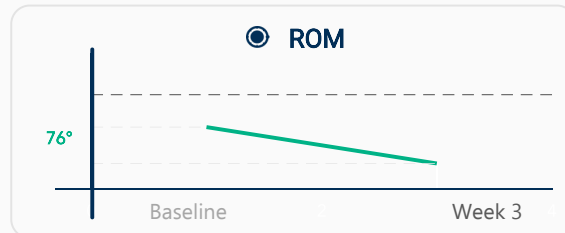
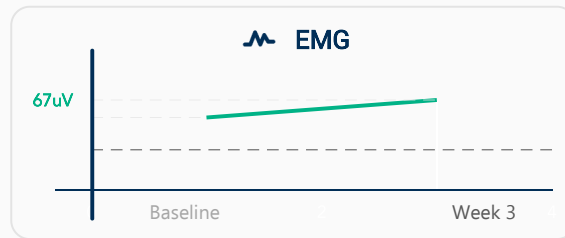
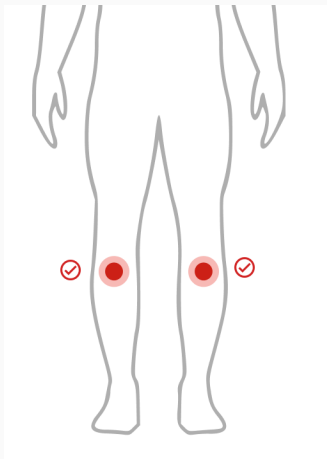
Knee | Vastus Medialis | Extension

Left (Sit)

Session recording no: 2

Dr. Clinical Research

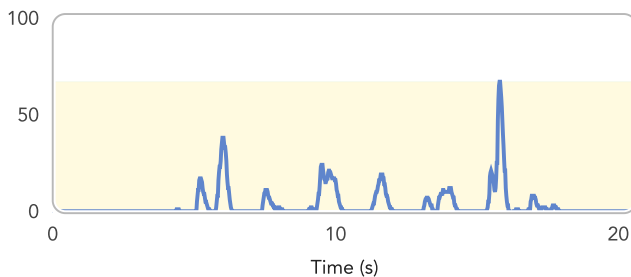
00m: 21s



Summary

For Knee joint Extension movement, The joint mobility of Left side decreased from 65% to 27% of healthy ROM in 21 days. The EMG of Left side increased from 54uV to 67uV in 21 days.

EMG (uV)



Peak: 67uV

Avg Peak: 41uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 76°

Start Angle: 38°

Range Gained: 38°

Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
6	0.38reps/s	1s	41°

MMT

1
Slight Movement

Pain scale 3/10
Mild Pain

Session type Active

Patient status Lethargic

Consistency
of peak muscle contractions



Control
of muscle activation timing



Smoothness
of movement with no tremors



Coordination
of movement and muscle





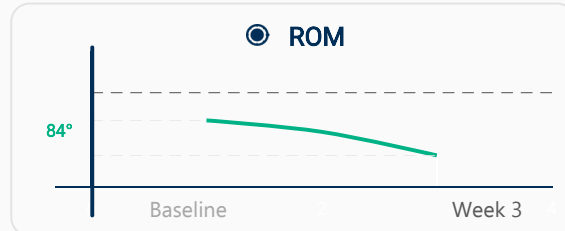
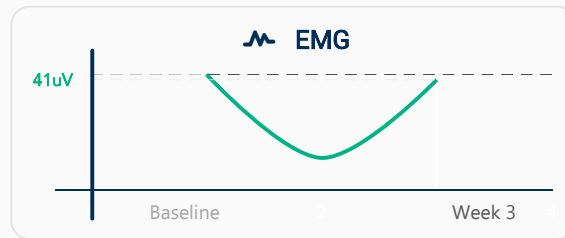
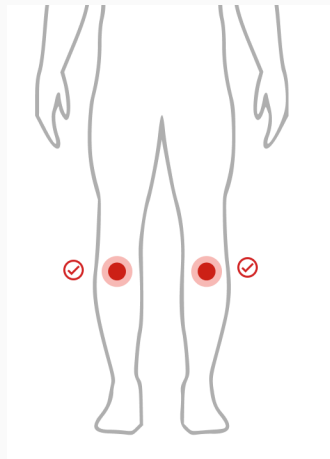
Knee | Popliteus | Flexion

Left (Sit)

Session recording no: 3

Dr. Clinical Research

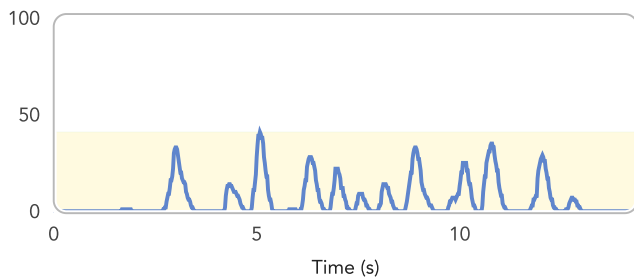
00m: 15s



Summary

For Knee joint Flexion movement, The joint mobility of Left side decreased from 70% to 33% of healthy ROM in 21 days. The EMG of Left side decreased from 43uV to 41uV in 21 days.

EMG (uV)

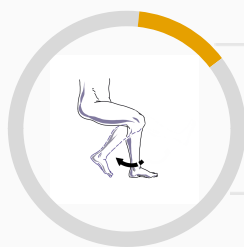


Peak: 41uV

Avg Peak: 38uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 84°

Start Angle: 37°

Range Gained: 47°

Target ROM: 140°

Repetitions	Repetition Speed	Hold Time	Hold Angle
5	0.33reps/s	1s	38°

MMT

1
Slight Movement

Pain scale 3/10
Mild Pain

Session type Active

Patient status Lethargic

Consistency
of peak muscle contractions



Control
of muscle activation timing



Smoothness
of movement with no tremors



Coordination
of movement and muscle





Ankle | Tibialis Anterior | Dorsiflexion

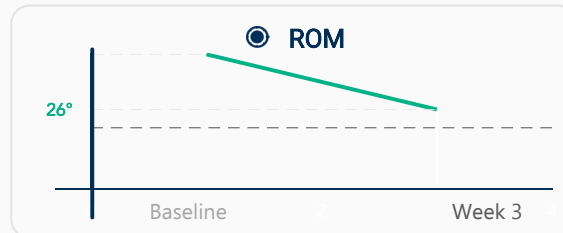
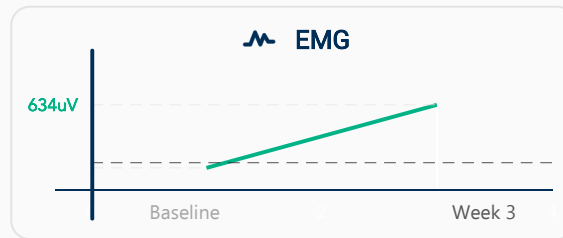
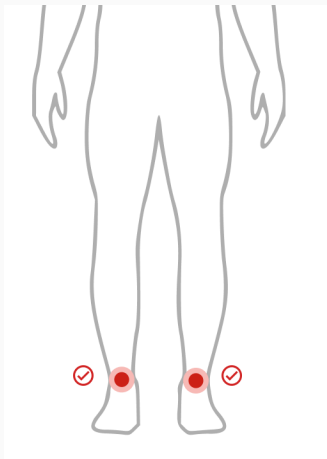
Left (Sit)

Session recording no: 2

Dr. Clinical Research



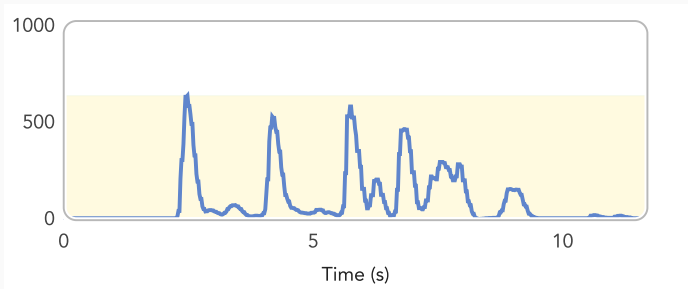
00m: 12s



Summary

For Ankle joint Dorsiflexion movement, The joint mobility of Left side decreased from 220% to 150% of healthy ROM in 21 days. The EMG of Left side increased from 166uV to 791uV in 21 days.

EMG (uV)



Peak: 634uV

Avg Peak: 369uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 26°

Start Angle: -35°

Range Gained: 61°

Target ROM: 20°

Repetitions	Repetition Speed	Hold Time	Hold Angle
4	0.5reps/s	1s	26°

MMT	2 Movement without Resistance
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	★★★★★ Average
Coordination of movement and muscle	★★★★★ Average



Ankle | Tibialis Anterior | Dorsiflexion

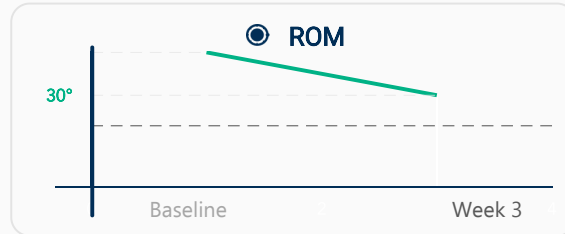
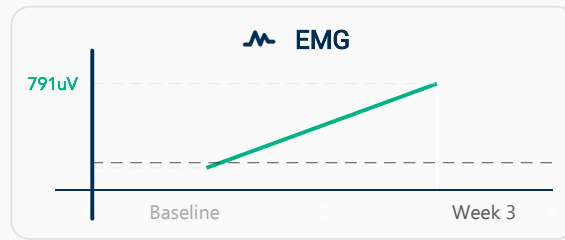
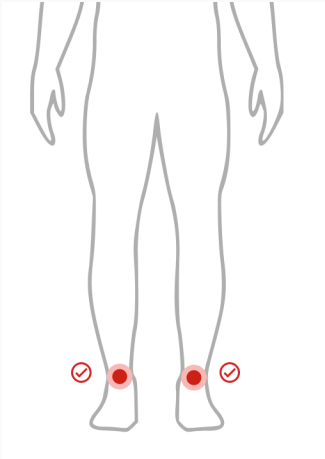
Left (Sit)

Session recording no: 3

Dr. Clinical Research



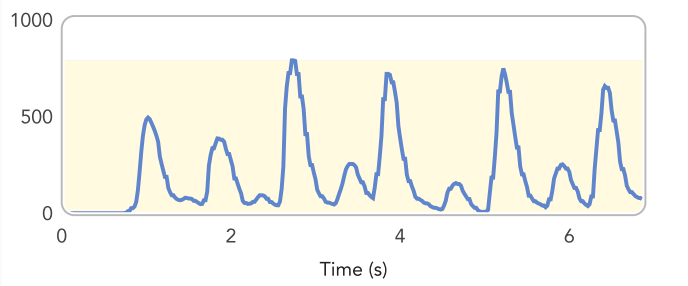
00m: 07s



Summary

For Ankle joint Dorsiflexion movement, The joint mobility of Left side decreased from 220% to 150% of healthy ROM in 21 days. The EMG of Left side increased from 166uV to 791uV in 21 days.

EMG (uV)



Peak: 791uV

Avg Peak: 0uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 30°

Start Angle: -5°

Range Gained: 35°

Target ROM: 20°

Repetitions	Repetition Speed	Hold Time	Hold Angle
5	0.83reps/s	1s	26°

MMT	4 Movement with Resistance
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

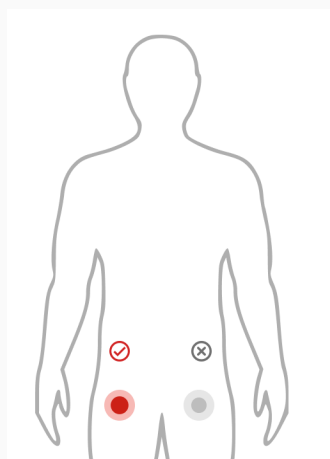


Hip | Biceps Femoris | Extension

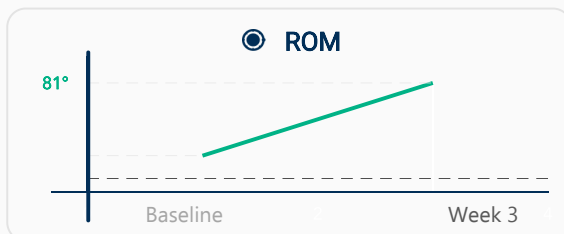
Right (Stand)
Session recording no: 2

Dr. Clinical Research

00m: 37s



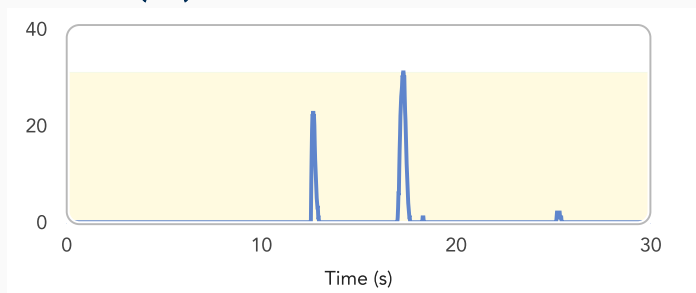
*good side data not available



Summary

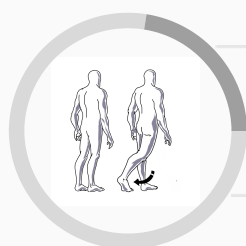
For Hip joint Extension movement, The joint mobility of Right side increased from 270% to 810% of healthy ROM in 21 days. The EMG of Right side increased from 20uV to 31uV in 21 days.

EMG (uV)



*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 81°

Start Angle: 0°

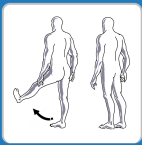
Range Gained: 81°

Target ROM: 10°

Repetitions	Repetition Speed	Hold Time	Hold Angle
4	0.17reps/s	11s	62°



MMT	1 Slight Movement
Pain scale	0/10 No Pain
Session type	Assistive
Patient status	Lethargic

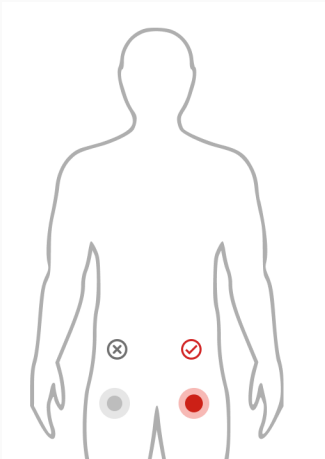
Consistency of peak muscle contractions	★★★★★
Control of muscle activation timing	★★★☆☆ Average
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★ Great



Hip | Biceps Femoris | Flexion

Left (Stand)
Session recording no: 1

Dr. Clinical Research 
00m: 40s 



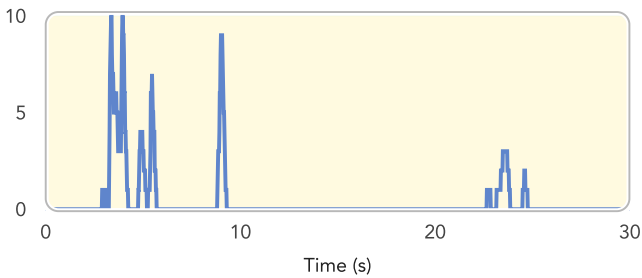
*good side data not available

	EMG	Right side	Muscle activity
Baseline	10 μ V	-	-

	ROM	Right side	%
Baseline	79°	-°	63

Summary

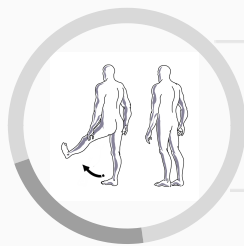
EMG (μ V)



Peak: 10 μ V
Avg Peak: 7 μ V

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: -3°

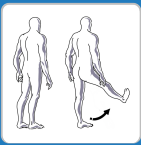
Start Angle: -82°

Range Gained: 79°
Target ROM: 125°

Repetitions	Repetition Speed	Hold Time	Hold Angle
2	0.09reps/s	5s	-

MMT	1 Slight Movement
Pain scale	3/10 Mild Pain
Session type	Assistive
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	★★★★★ Average



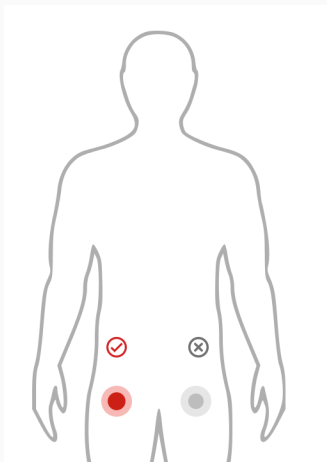
Hip | Gluteus Maximus | Flexion

Right (Stand)

Session recording no: 1

Dr. Clinical Research

00m: 22s



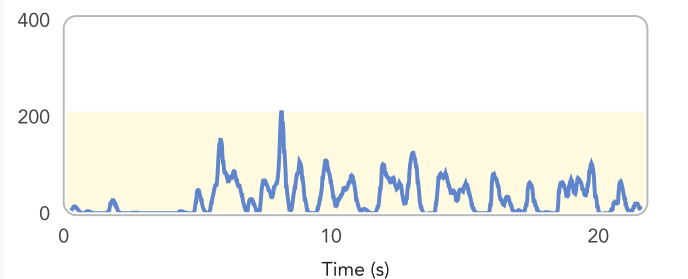
*good side data not available

	EMG	Left side	Muscle activity
Baseline	209 μ V	-	-

	ROM	Left side	%
Baseline	51°	-°	40

Summary

EMG (μ V)

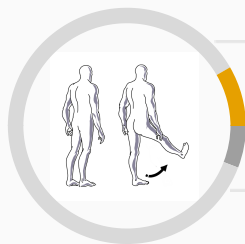


*displayed graph is recorded for first 30 secs only

Peak: 209 μ V

Avg Peak: 116 μ V

ROM (°)



End Angle: 30°

Start Angle: -21°

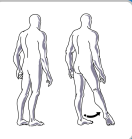
Range Gained: 51°

Target ROM: 125°

Repetitions	Repetition Speed	Hold Time	Hold Angle
7	0.32reps/s	2s	29°

MMT	1 Slight Movement
Pain scale	0/10 No Pain
Session type	Assistive
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	★★★★★ Average



Hip | Gluteus Medius | Abduction

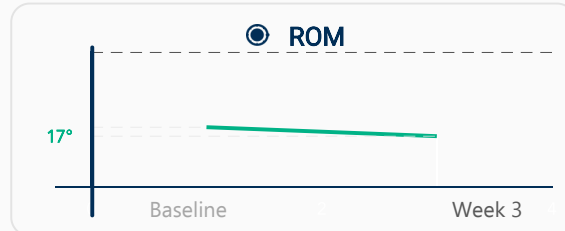
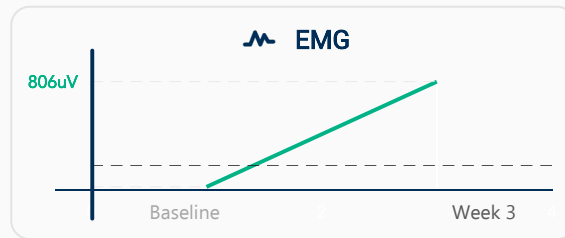
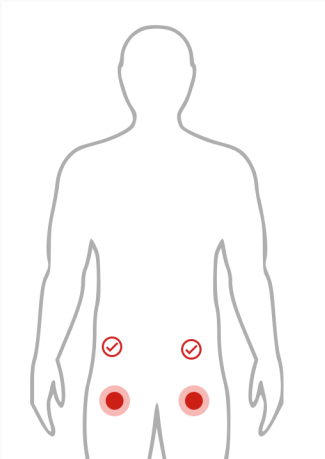
Right (Stand)

Session recording no: 2

Dr. Clinical Research



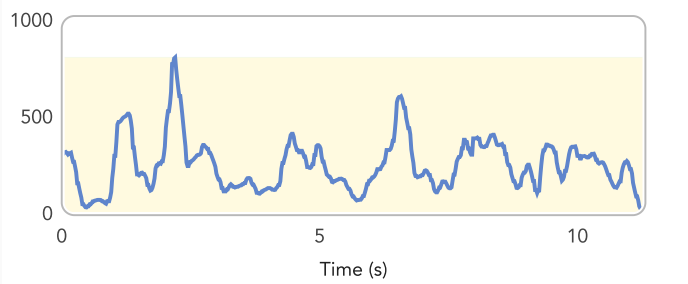
00m: 12s



Summary

For Hip joint Abduction movement, The joint mobility of Right side decreased from 44% to 37% of healthy ROM in 21 days. The EMG of Right side increased from 25uV to 806uV 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.

EMG (uV)

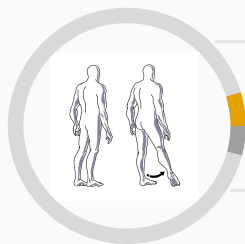


Peak: 806uV

Avg Peak: 560uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 17°

Start Angle: -15°

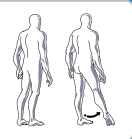
Range Gained: 32°

Target ROM: 45°

Repetitions	Repetition Speed	Hold Time	Hold Angle
6	0.5reps/s	2s	-

MMT	1 Slight Movement
Pain scale	0/10 No Pain
Session type	Assistive
Patient status	Lethargic

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

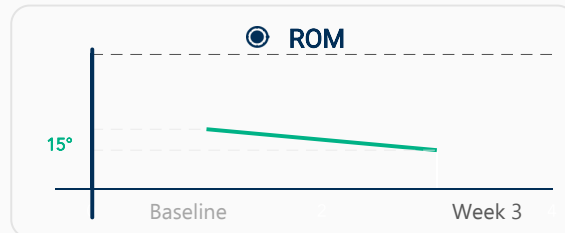
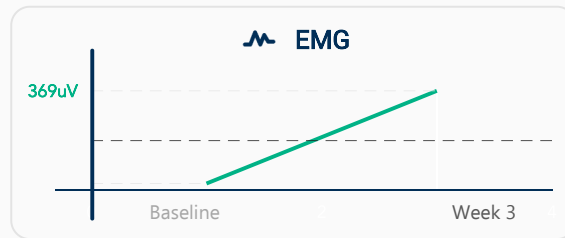
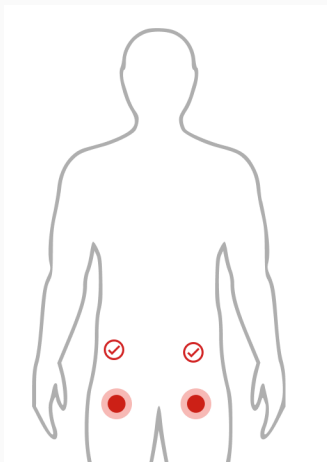


Hip | Gluteus Medius | Abduction

Right (Stand)
Session recording no: 3

Dr. Clinical Research

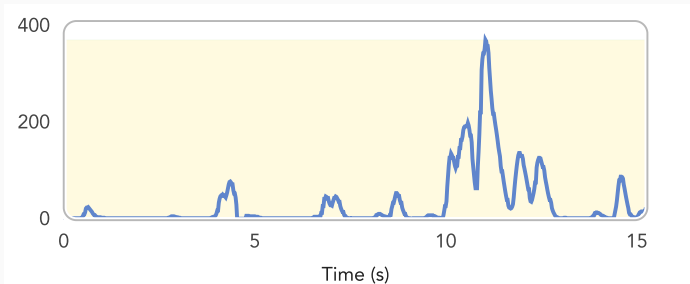
00m: 16s



Summary

For Hip joint Abduction movement, The joint mobility of Right side decreased from 44% to 37% of healthy ROM in 21 days. The EMG of Right side increased from 25uV to 806uV 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.

EMG (uV)

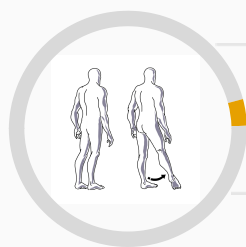


Peak: 369uV

Avg Peak: 153uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 15°

Start Angle: 2°

Range Gained: 13°

Target ROM: 45°

Repetitions	Repetition Speed	Hold Time	Hold Angle
2	0.17reps/s	1s	7°

MMT

1
Slight Movement

Pain scale 0/10
No Pain

Session type Active

Patient status Lethargic

Consistency
of peak muscle contractions



Control
of muscle activation timing

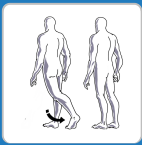


Smoothness
of movement with no tremors



Coordination
of movement and muscle



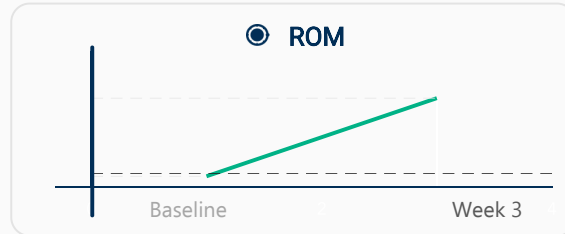
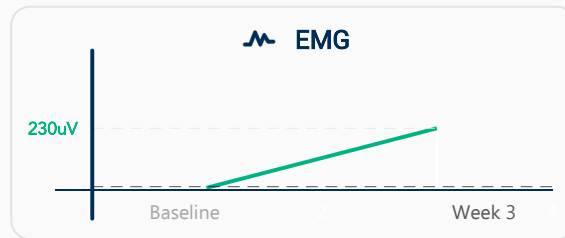
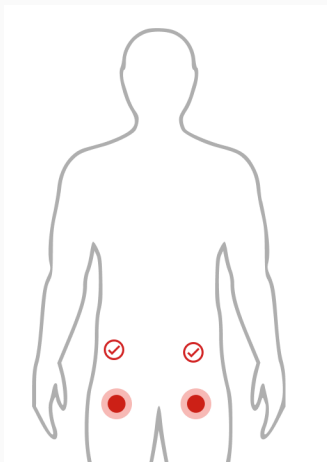


Hip | Gluteus Maximus | Extension

Left (Stand)
Session recording no: 2

Dr. Clinical Research

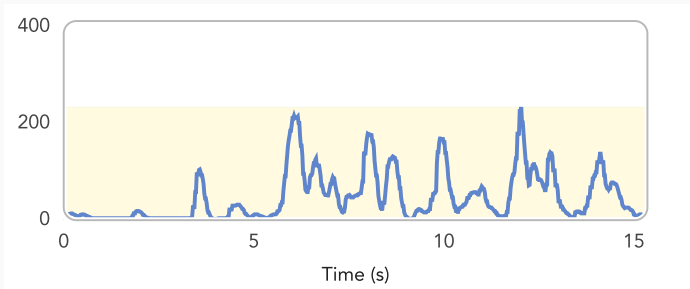
00m: 16s



Summary

For Hip joint Extension movement, The joint mobility of Left side decreased from 80% to -660% of healthy ROM in 21 days. The EMG of Left side increased from 9uV to 230uV in 21 days.

EMG (uV)

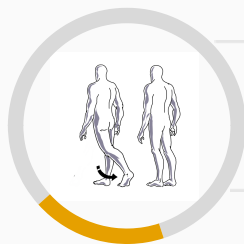


Peak: 230uV

Avg Peak: 152uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: -6°

Start Angle: -72°

Range Gained: 66°

Target ROM: 10°

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



MMT	1 Slight Movement
Pain scale	0/10 No Pain
Session type	Assistive
Patient status	Lethargic

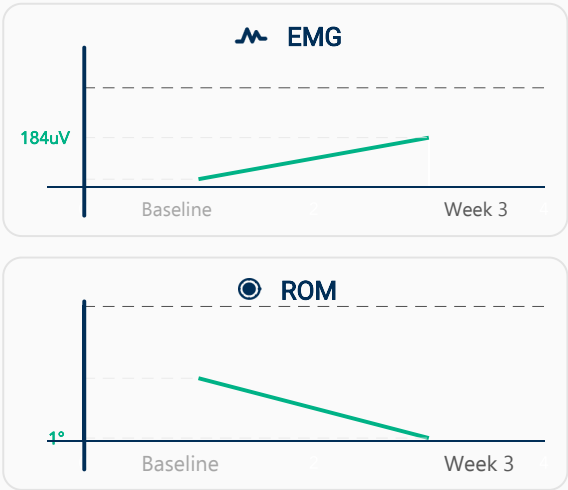
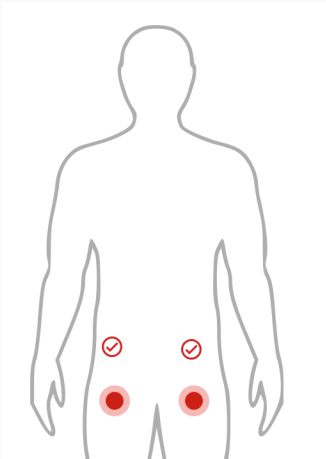
Consistency of peak muscle contractions	★★★★★ Average
Control of muscle activation timing	★★★★★
Smoothness of movement with no tremors	★★★★★ Great
Coordination of movement and muscle	★★★★★ Average



Hip | Gluteus Medius | Abduction

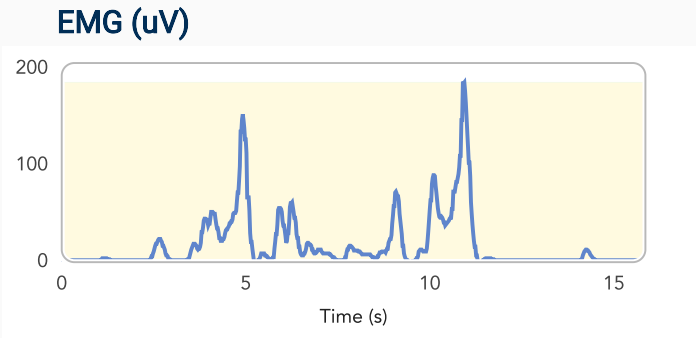
Left (Stand)
Session recording no: 2

Dr. Clinical Research 
00m: 16s 



Summary

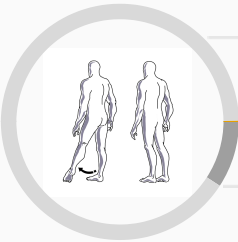
For Hip joint Abduction movement, The joint mobility of Left side decreased from 46% to 2% of healthy ROM in 21 days. The EMG of Left side increased from 30uV to 184uV in 21 days.



Peak: 184uV
Avg Peak: 168uV

*displayed graph is recorded for first 30 secs only

ROM (°)



End Angle: 1°

Start Angle: -33°

Range Gained: 34°
Target ROM: 45°

Repetitions	Repetition Speed	Hold Time	Hold Angle
4	0.31reps/s	1s	-

MMT	1 Slight Movement
Pain scale	0/10 No Pain
Session type	Assistive
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	★★★★★ Average

Additional Comment

Next Session: _____

Time: _____

Report handed over by: _____

Dept: _____

Seal & Signature

Caregiver's 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.
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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.