

CLINICAL CASE STUDY · CASE 4

Clinical Case Study

Stimel-03

Silver Stream



Patient & Treatment Snapshot

Region	Indonesia
Patient profile	47-year-old male
Condition / indication	Left Side Stroke in 2026
Device	Stimel - 03
Treatment period	February 2026 - March 2026
Sessions completed	13 Sessions, Three Times Weekly
Primary outcome	Treated Side: Left Leg, Left Hand and Left Shoulder

Introduction

The patient being treated in Indonesia is having a mild ischemic stroke on the left part of the body. This condition was confirmed by the doctor's medical recommendation, which gave some meds and the recovery action needed to recover from the condition. The recovery process to recover from the movement limitation due to the stroke condition are usually relying on the severeness and the original condition and willingness of the patient and how soon the recovery start. This case became one of the example the sooner the recovery can start this will much help in terms of the recovery duration and how the morale willingness of the patient are still fresh to be improved on the therapy.

Patient Information

The Patient are Male with a historical condition of Hypertension and a Smoking and Sweet Coffee Behaviour. The Stroke condition was being recognized on late January 2026, with the doctor's recommendation active on Early february 2026.

The Stroke hitting the Left Side of the Patient, which gives a frozen upper limb and also the weakness of the lower limb with a small shift on the hips due to the moving compensation. The Patient Willingness to be well before the Eid Al Fitr and his family support off device stretching make the therapy showing a fast progress

Baseline Clinical Status

- Patient Upper Limb Hand and Shoulder Showing are unable to make a movement voluntarily
- The lower limbs are unable to handle the body weight, and it should be supported by a Hemi Walker
- The Patient unable to move the leg but still able to feel the touch on the legs

Intervention

Intervention use the Stimel - 03 as the main occupational therapy device. The combination being use are the Biofeedback and The Motor Stimulation menu which are conducted on 3 days a

week therapy with around 1 hour session per day. The therapy also being accompany by a daily stretching exercise that are being provided by the therapist team to improve the progress outside the Stimel - 03 therapy session.

The Stimel - 03 is taking an important role to help 47 years old Indonesian with ischemic stroke patient to recover its movement ability from limited to almost normal in a very short treatment session more less 3.5 Weeks.

Clinical Course

The Patient having a very strong willingness which on the first two therapy are showing adaptation on biofeedback program for around 5 minutes and then the rest of the program are being driven by himself to push each limb session with a 15 minutes non stop biofeedback training. The family was also able to facilitate and become proactive. These conditions created a setting in which formal treatment sessions were embedded within repeated activity of patient movement.

Outcomes

After 13 total of Therapy Sessions the patient are improving very well and able to develop an independence capabilities to move and do activities on an everyday basis with ease. Overall improvement was considered clearly noticeable after 6 sessions of therapy. In addition to motor change, endurance increased from ~10 minutes to ~15 minutes during biofeedback sessions. Combine

with a motor Stimulation sessions which smoothing the activities.

Discussion

The sooner the recovery can start this will much help in terms of the recovery duration and how the morale and willingness of the patient are still fresh to be improved on the therapy. This became the key factors of this fast progress of movement recovery for the patient. The emotional support and the motivation of the patients also play a pivotal role as an enabler for improving the therapy duration which resulted for the patient endurance. The combination of the Stimel - 03 Stimulation also able to trigger the neuroplasticity of the patient and until now it improve the patient condition

Conclusion

The Stimel - 03 is taking an important role to help 47 years old Indonesian with ischemic stroke patient to recover its movement ability from limited to almost normal in a very short treatment session more less 3.5 Weeks. The case supports the practical importance of embedding device-based rehabilitation as a stimulation and combined with the family support and facilities to help the patient learning to move independently

Case Video

[VideoLink](#)

Stimel-03 by Motion Informatics clinical-grade neuromuscular rehabilitation in a portable, patient-friendly device.