40 lbs. = 25% of Body weight

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Advancements in technology has enabled the Envision system to rehabilitate patients in scientific and highly accurate ways. The technology of the Envision System captures unseen physics, immediately analyzes it, and presents it through multiple forms of media. Wireless communication enables sensors to transmit captured data to tablets, phones, or other monitors. This user interfaces of Envision is leveraging and integrating technologies for rehabilitation. The technology opens this unseen “world” resulting in accuracy of treatment to allow for the possibility of better and even full recovery.

Rehabit Health, LLC

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**McMinnville. TN 37110**

Envision Guided Therapy: Selective exercise to inhibit common neurological or orthopedic problems could be addressed with positive or negative feedback. For example, a neurological patient whom over-supinates could train to activate the 1st metatarsal sensor. This same set up could be used in an orthopedic scenario in which the patient has a history of chronic ankle sprains due to over supination.

Any muscle group in the legs could be selectively targeted in a closed chain kinematic chain scenario to facilitate /inhibit and train the desired muscle activity.



**Envision Balance Field Assessment**.

Objectively determine the patient’s percentage of balance field use and control. This can then be correlated with traditional balance testing. Retrain balance using this and other variations

of balance exercises. .



In this illustration, a 160 lb. male with insoles in place receives auditory, visual and haptic feedback when he exceeds 25% of his body weight on the right leg. **Orthopedic Negative Feedback**: The sensors can be set to detect any percentage of body weight and is designed to help the patient to restrict or limit the amount of weight placed upon the leg/foot.

A picture containing table

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**A drawing of people pushing a wheelchair

Description automatically generatedTherapy in Motion, TN**

**Envision**

**Guided Therapy System**

Uses patented state of the art

technology to accurately guide

your rehabilitation.

Rehabit Health’s Envision Guided Therapy System is a kinesiology tool designed to accurately guide the clinician and patient in many of the interventions of rehabilitation.  The system was originally created to treat the stroke and brain injury population which is the most underserved community in terms of rehabilitation and recovery. It has advanced to include other patient populations including the orthopedic population

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**The financial benefits of the Envision Guided Therapy System:** The trend in rehabilitation has been towards increasing the utilization of home health and outpatient clinic intervention combined with virtual at home sessions when practical. Remote patient monitoring and treatment sessions have become permanent features of rehabilitation.

A provider can now offer a system of accurate and meaningful recovery.

The trend prior to the 2019 pandemic was towards Home health and away from hospital and subacute clinic rehabilitation when practical. The Pandemic accelerated the process of remote patient monitoring and treatment. The trend in rehabilitation has been for increasing the utilization of home health, outpatient clinic intervention combined with virtual at home sessions when practical. Remote patient monitoring and treatment sessions have become permanent features of physical therapy. There are remote physical therapy practices and traditional clinics: SNF, Outpatient and hospital based clinics and home health organizations that now engage in remote monitoring and treatment sessions with specific billing codes for these critical sessions. A provider can now offer a system of accurate and meaning recovery combined with a sustainable revenue stream with this or any other relevant patient population.

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Since the 1920’s physical therapy methods have changed at a very slow pace. The rehabilitation methods in this postindustrial age remain “technology poor” in the vast majority of settings for restoration of physical function. This is due in large part to the high cost of medical technology which has been and remains expensive, limiting access to formative assistive technology.

It is common for patients to “plateau” due to lack of discernible progress and may lead to low emotional involvement or worse, loss of hope. The core idea behind Envision Guided Therapy is to combine traditional therapeutic methods with technological advancements. These tools help patients perform exercises correctly, monitor progress, and ensure adherence to their prescribed therapy plans. Clinicians can remotely monitor their patients' progress, make adjustments to treatment plans as needed, and provide guidance through virtual consultations. This approach reduces the need for frequent in-person visits and allows clinicians to reach a larger number of patients efficiently. Caregivers can actively participate in the rehabilitation process by assisting patients during therapy sessions and receiving guidance from clinicians through the technology-enabled platform. However, it's important to note that technology-assisted guidance should not replace the expertise and personalized care provided by qualified clinicians but should rather complement and extend their reach.

The figures below track the normalization of this patient’s gait pattern over 15 months (Figure 1). The last image in the sequence represents a normal gait signature.

A picture containing diagram

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**Envision Guided Therapy System**

**There is no additional cost to the patient to use this technology with in-person treatment. So, you benefit with guided and accurate treatment. Because of accuracy the goal is less sessions and faster recovery.**

**For patient’s who require intensive 24/7 care the system would be set up at home. This actually makes available daily treatment for the patient that is accurate and meaningful. The treatment is monitored as long as needed combined with in person treatment and progression. The overall cost is generally the same or even less than traditional therapy intervention. It is accurate and available all day, every day for the patient and caregivers to engage in recovery.**

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Lore  ut  b rati s duis  gilv us  Bj Initial Gait Tracer Pattern(GTP) 29 day GTP 36 day GTP 43 day GTP 15 month GTP normal GTPaliquipconventio.

A picture containing floor, indoor, wall, room

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fIGURE 1: pOST sEVERE aCQUIRED bRAIN INJURY