

MOTOmed®
move differently

MOTOmed® Movement Therapy

passive, motor-assisted, active resistive
at home, at clinics and in medical facilities



motor-assisted movement

MOTomed® is a great therapy for the treatment of paralysis, spasticity, overall weakness and lack of movement.



The greatest benefits from therapy are those that are achieved from your own efforts. In some cases the insurance may cover the cost of the MOTomed Movement Therapy. *Ask your MOTomed provider for more information.*

Movement starts with the MOTOmed®

- **Motorized / passive**

This allows for a smooth movement which helps with relaxing your muscles in the legs and the arms / upper extremities.

- **Motor-assisted / assistive**

Even with minimal muscle strength and little to no effort or strain on the muscles, you can achieve an easy transition from passive to active training.

- **With own muscle strength / active - resistive**

You are cycling against finely adjusted resistance levels. Ideal home cycling training for your cardiovascular system and your muscles.

Achieve the greatest training success with the combination of active and passive movement

The MOTOmed motor takes over the training for you automatically in the case of fatigue or insufficient muscle strength. The muscles are relaxed during passive movement while still improving the blood circulation and optimizing the flow of oxygen and nutrients in those muscles. After a few minutes of cycle training your revived muscles will be a motivating force to continue cycling actively. This allows you to participate longer in the therapy session which results in more success and better training results.



For me personally the MOTOmed is a complimentary therapy to physical therapy since it relaxes the muscles before the actual manual therapy. You can set up one patient on the MOTOmed and then attend to another. This makes the therapy session much more effective. I feel that it is equally important knowing that the MOTOmed complies with all the safety requirements for medical therapy devices.

With the motorized and software-controlled MOTOmed devices a carefree daily repetitive passive movement of the legs, arms and upper body is possible. Therefore, manual therapy can be applied in a more effective and efficient manner.

How do I benefit from the MOTomed® Movement Therapy?

● Improving walking ability

In order to enhance or build up mobility a certain amount of basic fitness is necessary (muscle strength, endurance and coordination). The MOTomed Movement Therapy Device helps you to achieve these therapy goals.

The alternating and repetitive movements can have a positive effect on muscle tone, mobility, and balance.

● Activating residual muscle strength

Are your muscles deconditioned or atrophied? Or are you inhibited by spasticity? Discover and gently rebuild residual muscle strength with the MOTomed.

● Reducing spasticity

This therapy can help you relax your muscles if you are inhibited by spasticity or if you have high muscle tone, or if you wish to overcome movement limitations.



MOTomed viva2
leg trainer



Spasticity occurs even with the smallest movements. I am significantly restricted in my mobility. Initially, I had reservations about training with the MOTomed.

However, the many positive testimonials from other patients reassured me. Today, the MOTomed helps me with loosening up my muscles on a regular basis.

With the assistance of the soft and continuous movement and the ServoCycling, MovementProtector and SpasmControl, MOTomed features, muscle tension and spasms are pleasantly reduced.

- **Counteracting fatigue**

Are you constantly tired with low energy levels? Regular use of MOTOMed can reduce the occurrence of chronic fatigue syndrome and can help you feel revitalized.

The sophisticated active/passive-detection feature enables the motor-assisted therapy to adapt automatically to your daily condition with the optimal dose of support which is required to achieve individual therapy goals.

- **Improving mental and physical well-being**

Movement helps your physical and emotional well-being. It helps to achieve a positive state of mind and stimulates the brain.

- **Counteracting consequences of lack of movement**

such as:

- Circulation disorders (cold and painful legs), thrombosis
- Joint stiffness (contractures), arthrosis
- Muscle atrophy
- Digestion, bowel and bladder issues
- Osteoporosis
- Edema in the legs and the arms
- Heart and circulatory problems
- High blood pressure
- Metabolic disorders (e.g. diabetes mellitus)

Indications

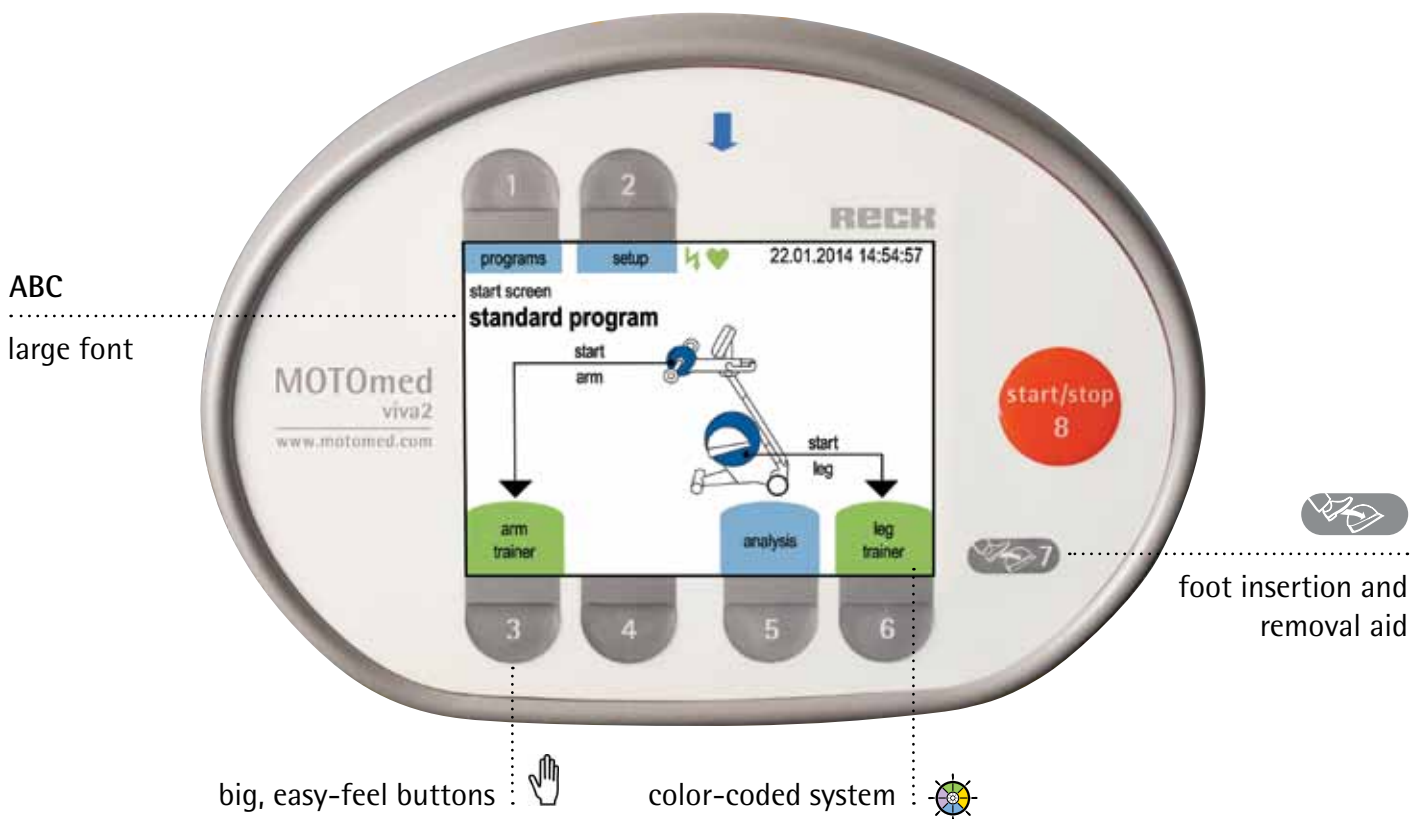
Application in the field of **neurology**: e.g. Multiple sclerosis, stroke, spinal cord injury, spastic paralysis, Parkinson's disease and other neurological and neuromuscular conditions. Use in the field of **orthopedics**, e.g. post hip, knee and joint surgeries and other conditions that limit mobility. In the field of **geriatrics**, in patients with different health issues due to diabetes mellitus type2, high blood pressure, or in the field of **pediatrics** such as cerebral palsy, spastic paralysis, etc., or in **patients confined to bed in supine position**, e.g. coma vigil, intensive care units, hemodialysis.

We offer different MOTOMed models for different medical conditions.

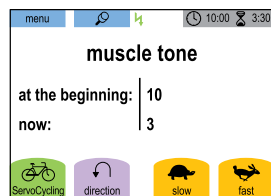
Your MOTomed® interacts with you

27 different languages at your disposal

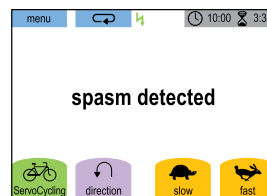
There is a clearly structured color system that guides you through the menus. The next logical step is always marked in »green«. All the operating prompts and the training feedback can be displayed in 27 different languages. Some of the special features can be seen below.



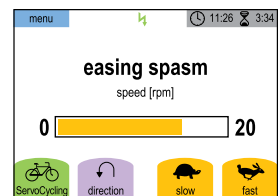
»active movement«



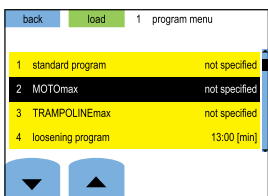
»stiffness/muscle tone«



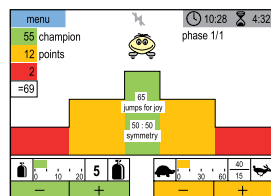
»active/passive distance«



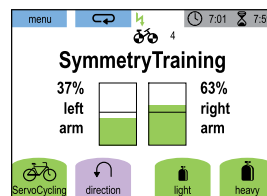
»removing spasticity«



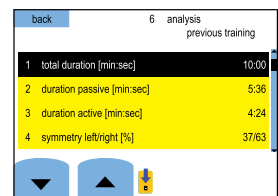
»program selection«



»MOTOmax MotivationProgram«



»SymmetryTraining«



»post training analysis«

There is a limited availability of functions and prompts with the MOTomed viva2 light model.

MOTomed® viva2

Your movement therapy device with the well-established MOTomed functions: ServoCycling, MovementProtector and SpasmControl. Further features include SymmetryTraining, 13 TherapyPrograms (which target specific medical conditions such as stroke, MS ...), therapy goals (e.g. loosening and endurance training...) and specialty fields (e.g. neuro, ortho...), MOTomax and TRAMPOLINEmax MotivationPrograms, various biofeedback prompts, and a training analysis with up to 20 training values. These contribute to a professional application with higher standards.

All MOTomed models are available in combination with an **arm/upper body trainer**. It can simply be pivoted into training position. The MOTomed viva2 stativ is available for a therapy with the arm/upper body trainer only.



leg training with handlebar



pivoting arm trainer



arm/upper body training

big operating panel
with easy-feel buttons and foot insertion aid function at the push of a button



strong, all-metal construction
safety foot shells with fixation straps



easy transport
by two Ø 13 cm/5.1 in. castors



MOTomed® viva2 light

This Movement Therapy Device comes with all the standard MOTomed features and safety functions (e.g. MovementProtector and SpasmControl) and the well-established SymmetryTraining. With its one-screen training overview and compressed software options, the MOTomed viva2 light ensures a particularly easy and user-friendly operation.



MOTomed viva2 light
with arm/upper body trainer



MOTomed viva2 light
leg trainer



»overview screen«

The TherapyPrograms, MOTOmax and TRAMPOLINEmax MotivationPrograms, or the possibility of a software-upgrade are only available with the MOTomed viva2 model.



Particularly for patients who are in a supine position or in an incline position for an extended period of time, it is important to counteract the consequences of lack of movement. It is therefore that we emphasize early passive and assistive movement therapy.

The MOTomed Movement Therapy provides a safe motorized passive movement, as well as motor-assisted and active resistive muscle training.

MOTomed® viva2 Parkinson



brushing the teeth



cutting



writing



shaving



personal hygiene



MOTomed® viva2 Parkinson leg trainer

Current research results confirm that fast leg cycling movement of 80 to 90 r.p.m. can significantly reduce Parkinson-typical symptoms such as rigor, tremor and lack of movement.

The MOTomed viva2 Parkinson promotes motor-assisted cycling movement of up to 90 r.p.m. In a very short time, the fast cycling movement with the MOTomed viva2 Parkinson helps to improve the fine motor skills and gait.



After taking a one year break from work, I am able to write on the blackboard again, at an almost normal pace. My letters are big and legible again. I can apply mascara and hold a cup of coffee relatively well with my right hand. In a nutshell: I am overjoyed with this progress!

For many years, this Parkinson-diagnosed teacher has been engaging in regular use of the MOTomed Movement Therapy.



MOTomed viva2 Parkinson with arm/upper body trainer

MOTomed® gracile12

the pediatric therapy unit

MOTomed gracile12 grows along with your child.

Movement Therapy for children and persons with short stature (approx. height of 90 cm / 2 ft. 11 in. to 140 cm / 4 ft. 7 in.).

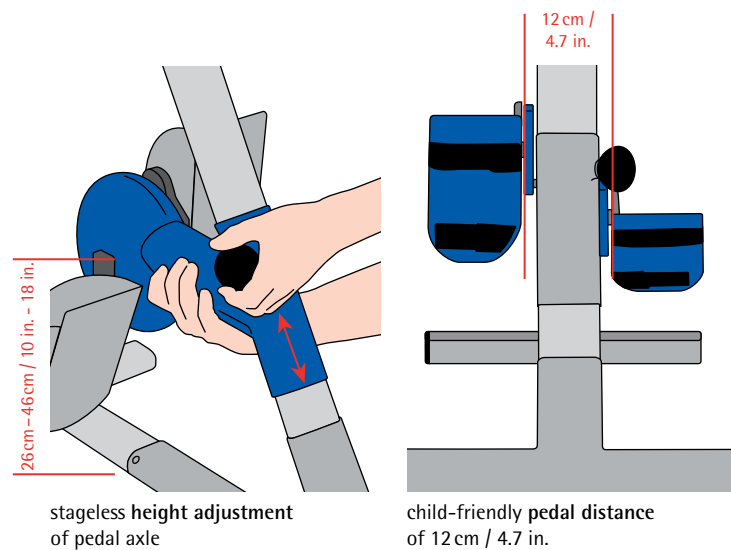
Specifications

Reduced pedal distance between foot shells: This movement therapy poses no strain on the hips and knee joints thanks to the inner foot shell distance which is only 12 cm / 4.7 in., approx. 30% narrower when compared to other conventionally available movement training devices.

Height adjustment: The MOTomed gracile12 foot shells and operating panel are height adjustable and adaptable to the child. The adjustment is stageless and individualized with no tool requirements.



MOTomed gracile12
leg trainer



stageless height adjustment
of pedal axle

child-friendly pedal distance
of 12 cm / 4.7 in.



Because of his cerebral palsy, my son Pascal was not able to move without pain. The MOTomed gracile12 allows him to move regularly and pain-free at home, despite of his spasticity. The muscle tone is reduced while the muscles are relaxed and strengthened. And most important for me: My son loves to engage in this therapy, particularly when he is able to make the game character MOTOmax jump on the screen.

Read more about the MOTOmax MotivationProgram on page 6.

MOTomed[®] letto2

the bed therapy unit

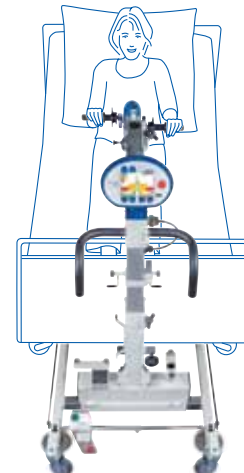
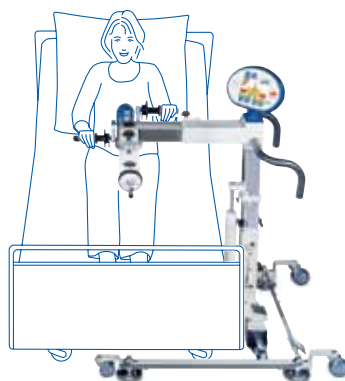
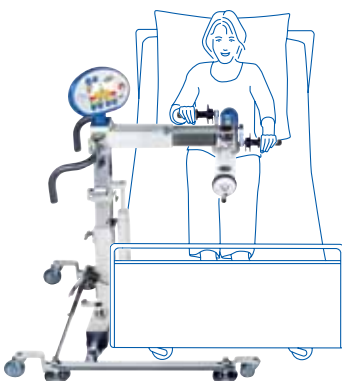
Movement therapy for patients confined to bed: Application for use in long-term care facilities or hospitals, in early rehabilitation, at intensive care units, with comatose patients or ventilated patients, and during hemodialysis.

Specifications

- ① **Knee bending adjustment** accessory for setting the bending angle of the knee
- ② **»TrainCare Comfort«** leg guides accessory for setting the safest position of each lower leg
- ③ **Expandable chassis** accessory adapts by moving the lever to various bed types
- ④ **Floor fixation (four-brake-stop)** stability without mechanical attachment to the bed or therapy chair



MOTomed letto2
leg training from a bed or a therapy chair
with safe leg guidance



MOTomed letto2 leg/arm
movement therapy for legs and arms in a supine position

MOTomed® Movement Therapy

characteristics and therapy options



viva2 viva2 light viva2 Parkinson gracile 12 letto2 letto2 l/a

Motorized movement of the legs (passive training)	✓	✓	✓	✓	✓	✓
Motorized movement of the arms (passive training)	•	•	•	•	–	✓
ServoCycling = motor-assisted active training	✓	✓	✓	✓	✓	✓
Active movement with own muscle strength against finely adjusted resistance levels (gear 0 to 20)	✓	✓	✓	✓	✓	✓
Separate button for ServoCycling - visual and noticeable transfer from passive to active training. The MOTomed detects any active impulse and a bicycle icon appears on the screen	✓	✓	✓	✓	✓	✓
Active/passive biofeedback (automatic)	✓	✓	✓	✓	✓	✓
Regulation of passive speed from 1 to 60 r.p.m.	✓	✓	up to 90 r.p.m.	✓	✓	✓
MOTomax and TRAMPOLINEmax MotivationPrograms	✓	–	✓	✓	✓	✓
13 TherapyPrograms (can be individually edited)	✓	–	✓	✓	✓	✓
Pause-function	✓	–	✓	✓	✓	✓
Training analysis via chip card («MOTomed sam2» accessory)	•	–	•	•	•	•
MOTomed Cardio16 Pulse Control regulates the resistance level up or down	•	–	•	•	•	•
Combination with functional electrical stimulation (FES)	•	–	•	•	•	•
MovementProtector for sensitive spasm detection	✓	✓	✓	✓	✓	✓
SmoothDriveSystem for a smooth rotation	✓	✓	✓	✓	✓	✓
SpasmControl with automatic change of cycling direction	✓	✓	✓	✓	✓	✓
Electronic foot insertion and removal aid, incl. safety stop	✓	✓	✓	✓	✓	✓
Big, high contrast color screen (11.5 x 8.5 cm / 4.5 x 3.3 in.)	✓	✓	✓	✓	✓	✓
Stationary operating panel with 8 big, easy-feel buttons and automatic user guidance	✓	✓	✓	✓	✓	✓
SymmetryTraining - activity performance display is divided into the right and the left hemisphere	✓	✓	✓	✓	✓	✓
SymmetryTraining with a clear 2-bar-diagram- and percentile analysis display	✓	–	✓	✓	✓	✓
SymmetryTraining for leg and arm/upper body training	✓	✓	✓	✓	✓	✓
Muscle tone measurement (tone at the beginning, at the end, and average)	✓	–	✓	✓	✓	✓
Passive and active training results are displayed separately (distance, duration)	✓	–	✓	✓	✓	✓
Standard color (no extra charge)	silversand	blue	silversand	blue	blue	blue
Mobile by large transport castors	✓	✓	✓	✓	✓	✓

✓ = standard accessory • = optional accessory – = not available

MOTomed® Accessories

With the many accessory options, your personal MOTomed model can be perfectly adapted to your individual needs. Find more accessories by going to www.motomed.com or consult with your MOTomed partner.

Accessories for MOTomed viva2, viva2 light, viva2 Parkinson and gracile12

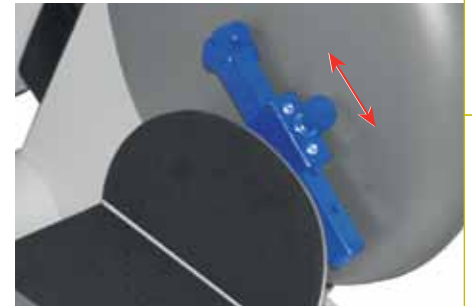
leg guides with calf shells, retractable
item no. 302.000



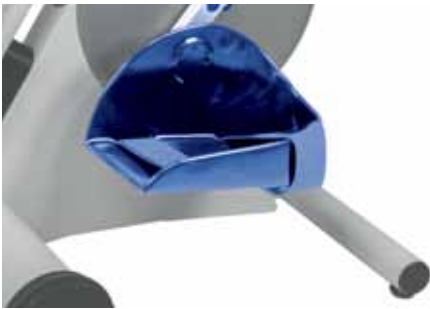
self-operating foot holders
item no. 506.000



pedal radius quick adjustment
item no. 507.000



plastic-coated safety foot shells, disinfecting
item no. 152.000



hand fixation with wrist cuffs
item no. 562.000



forearm shells with arm cuffs
item no. 556.006

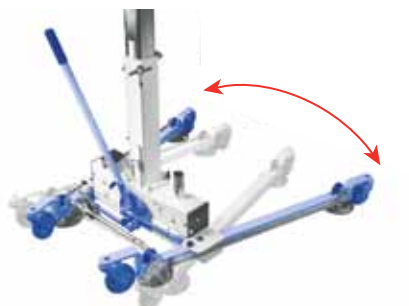


Accessories for the MOTomed letto2 bed unit

»TrainCare Comfort« leg guides ②
item no. 168.000, see page 11



expandable chassis ③
item no. 160.000, see page 11



pivot arm for operating panel
item no. 166.000



Quality and Variety

10 basic MOTomed models* with a wide range of accessories

Ask us about it!



MOTomed viva2 leg trainer
professional movement trainer
for high expectations



**Arm/upper body trainer
in combination with leg trainer**
for viva2, viva2 light,
viva2 Parkinson, gracile12



MOTomed viva2 light
pleasant movement with
simple operation



MOTomed viva2 Parkinson
up to 90 r.p.m. for a fast passive
movement (Forced Exercise)



MOTomed viva2 with FES
(functional electrical stimulation)
for an effective cardiovascular training,
e.g. spinal cord injury



MOTomed viva2 duplex
simultaneous arm and leg
training for high blood pressure
and diabetes mellitus



MOTomed viva2 stativ
only for arm/upper body training



MOTomed gracile12
the »height-adjustable«
movement trainer for children
and persons with small stature



MOTomed letto2
leg movement therapy for bedridden
patients



MOTomed letto2 leg/arm
leg and arm/upper body trainer,
positionable from three bed sides

*Not all models are available in all countries.



MOTomed® worldwide

Satisfied customers in over 70 countries experience the daily benefits of MOTomed Movement Therapy. Become one of them! Get informed about its effectiveness. Contact us or visit our homepage!

We live on an over 14.000 m² office and production area, which reflects our strong family business: Special values, durability and a flat hierarchical structure.

From a pioneer to an internationally successful specialist - first-hand for over 40 years

Since 1971, the **RECK** Company has contributed to innovations in the field of movement therapy, with a worldwide distribution network. We work in close collaboration with physicians, therapists, universities and patients. Since 1981, the motor-driven and software-controlled MOTomed has successfully been used in over 70 countries. The 50 year old **RECK** family business, with its 250 employees specializes in the field of motor-assisted and active movement therapy.

Competent consultation

Our team of consultants consists of certified sport scientists, physical therapists, and occupational therapists. These consultants will be happy to assist you in choosing the appropriate MOTomed model. They also will be happy to advise you with the most suitable TherapyPrograms for your individual needs.

Versatile specialty accessories that adapt to your individual needs

With the many accessory options, your personal MOTomed model can be perfectly adapted to your individual needs.

Free product demonstration or trial phase

Ask us about obtaining a trial at your private residence, at your clinic, or a medical facility. Some of our local MOTomed partners offer consumer financing and renting options.

For your safety – certified quality »Made in Germany«

Your safety and satisfaction is very important to us. That is why we work in accordance to and in compliance with a certified quality management system. We meet all the safety requirements and ergonomic provisions which provides you with the highest quality MOTomed Movement Therapy Device according to the highest safety standards.



member of the export initiative
health care industry

Get informed!

Ask us about special brochures, prices, studies, publications, and literature, or request for MOTomed videos (DVD) in different languages.



There are 6 MOTomed
Movement Therapy videos
available on DVD.

On the Internet at www.motomed.com by filling out a contact form, by email at info@motomed.com or by contacting your MOTomed partner directly.

MOTomed®
move differently

MOTomed®
is good for me.

www.motomed.com



MOTomed demonstration

If you want to learn more about MOTomed Movement Therapy, try it out - at home, at a hospital, rehabilitation center, or wherever you reside. Simply contact your MOTomed partner for additional information.

Your MOTomed partner:

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