A new generation of knee brace that alters abnormal gait and delays the progression of OA.

In keeping with our commitment to bringing you 'true originals', like the many devices in our OrthoAgility CPM line, QAL Medical is now your source for the new **REHABILITATOR™**—available through our exclusive partnership with Ongoing Care Solutions. This exciting new knee brace offers the support and protection of traditional braces, but extends the scope of performance to include breakthrough rehabilitation functions.

**Reinventing the Knee Brace**

With its innovative design and rethinking of the knee brace concept, the new **REHABILITATOR™** solves the brace migration issues common with traditional braces, and is effective at correcting abnormal gaits.

**New Skeleton with Dynamic Conformability** –
A series of pneumatic air bladders not only maintain brace alignment, but change shape and conform to leg muscles contracting and elongating.

**Maintaining Consistent Corrective Force** –
Using the adjustable patented pneumatic air bladders, not the usual "three-point lever system", the **REHABILITATOR™** generates consistent and corrective force on the knee joint.

Also, the **REHABILITATOR™** is equipped with both flexion and extension settings. The patient can start his walking about with restrictive range of motion (ROM) the first day after surgery and make incremental increases to his ROM until he regains total flexion and extension. Because the patient will experience increases of ROM more quickly than with conventional therapy, it will also help minimize the chances of developing arthrofibrosis.

Clinical studies suggest that alterations in gait due to OA or knee injury can have long lasting negative effects on normal mobility. Gait rehabilitation to a normal heel toe placement, is possibly one of the most important events on the road towards knee rehabilitation.

U.S. Patents: 7,608,051, 7,963,933, 8,057,414
Correcting Abnormal Gait

While un-loader braces can help minimize pain, they do not correct the gait and normalize neuromuscular activity for the affected extremity.

The REHABILITATOR™ can.

Pre-habilitation for Faster Rehabilitation: Clinical Results

Wearing a REHABILITATOR™ brace prior to surgery for a period of “pre-habilitation” helps normalize walking about in advance. This aids in helping patients maintain muscle strength while significantly accelerating their ability to walk normally post-surgery.

- Double upright design with rotating thigh cuff provide superior comfort and support
- Use of a contour air bladder positioned mid-knee provides either corrective varus or valgus force
- Use of a second contour air bladder aids in lower leg alignment
- Use of a high power elastic provides a dynamic Swing Assist™ to correct gait
- ROM hinge to control both flexion and extension when necessary
- Low profile design and dynamic conformability prevent brace migration

Following surgery, patients are more likely to continue using the brace because they’ve seen firsthand how it helps. This greatly reduces rehabilitation time because the need to rebuild leg muscles is virtually eliminated. As shown in case studies, the edema caused by the procedure was reduced at a much faster rate because the patients were moving around one or two days after surgery.

In short, traditional braces are going to deliver traditional results. They only protect and support. The REHABILITATOR™ does all that plus provides rehabilitative features, including the patented Swing Assist™ which helps the patient to develop a full extension of their hamstring muscle and full extension of their quadriceps which is critical to normalize heel toe placement and significantly accelerate recovery.


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For more information contact your local representative.