

SHIELDS

***It's All
About the
Buttress!***



HELY & WEBER

Physician Inspired. Passionately Designed.



Clarence L. Shields, M.D.

When other patella stabilizers did not effectively treat patella malalignments of glide and tilt, Dr. Clarence Shields, Jr. and Hely & Weber began working on a solution. After extensive research & testing, the Shields™ Brace came to be. Developed to keep active people active, "the brace will control the patella during athletic competition and other activities."

The Shields Brace has a NEW Buttress! More Dynamic, More Comfortable and Even More Effective.

"You asked for it, you got it."

Presenting the most dynamic and comfortable orthopedic bracing technology available for the treatment of patellofemoral tracking problems.

Useful in treating the following:

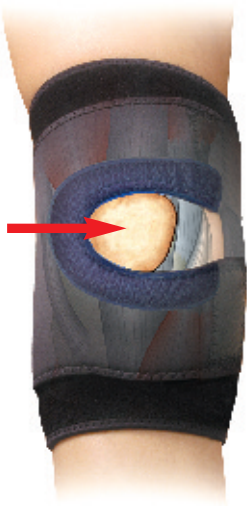
- Common Malalignments of Patella Glide, Patella Tilt and AP Tilt
- Lateral or Medial Subluxation
- Patella Dislocation
- Chondromalacia
- Rehabilitation After Total Knee Replacement

It's all about the buttress.

"The correct positioning of the buttress is essential for optimal function."

- Identifying Optimal Treatments for Patellofemoral Pain, Round Table, Orthopedics Today, Vol 26, # 5 May 2006

1. The new Shields buttress, constructed of Medical Grade TPE (Thermoplastic Elastomer) is an adherent, soft, gel like material. It provides an elastic, flexible, shock absorbing quality that assists in replicating taping the knee. It has the practical advantage of patient application and adjustment.
2. It helps assist in the active relocation of the patella and places the bone in its pain free position.
3. The new buttress is more dynamic, more comfortable and offers the practitioner and patient greater proprioception. The unique molded design offers anatomical contours and easier placement.
4. The Shields Brace is designed to position the patella away from the symptomatic contact point no matter the malalignment, which improves tracking in the patellofemoral groove.
5. You place the patella where you want it to be. The buttress, in conjunction with the patellar control straps, holds the patella in place and allows it to move with you.

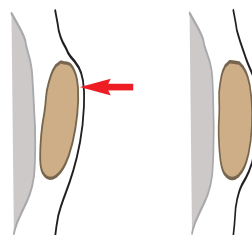


Correcting Patella Glide
Using directional force, the independent buttress improves patellar alignment and enhances the rehabilitation process.

Unloading Patella Tilt



The soft gel rubber of the buttress can be adjusted to cover the elevated portion of the patella to "unload" the affected area.



Before

After

Ordering Information

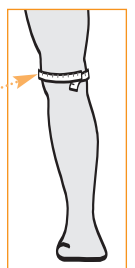
Order No.	Description
5674	Kuhl™ Shields™ Brace

Knee Sizing:

Measure at mid-patella with leg fully extended.

XS: 10"-12"	Sm: 12"-14"
Med: 14"-16"	Lg: 16"-18"
XL: 18"-20"	

Larger and custom sizes are available upon request.





US PATENT 5759167

The **hook** side adheres to the Directional Force Flap.



The **unique molded and tapered design** offers anatomical contours and easier placement.

The **New Shields Butress Thermoplastic Elastomer (TPE)** buttress assists in the active relocation of the patella and places the bone in its pain free position.

Directional Force Flap holds the buttress in place against the patella.

Brush nylon exterior is hook sensitive, allowing flap adjustability over brace surface.

Open popliteal for added comfort.

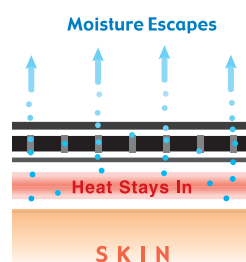
Medial and lateral spiral stays limit bunching, while allowing full range of motion.

Kuhl™ Neoprene - 1/8" perforated neoprene laminated to a nylon layer and a brush nylon layer.

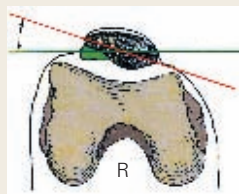
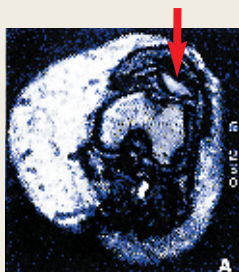
The perforations allow moisture to escape allowing the skin to stay dry, while keeping in body heat.



KUHL™

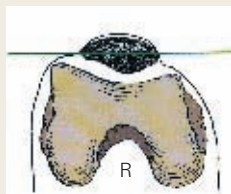
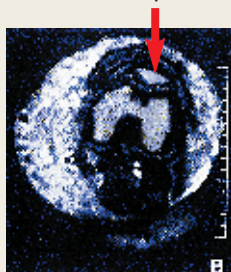


Lateral Patellar Tilt without Shields™ Brace:
Kinematic MRI of the patellofemoral joint, active-movement against resistance technique



Patella with Lateral Tilt

Normal Alignment of the Patella with Shields™ Brace:
Kinematic MRI of the patellofemoral joint, active-movement against resistance technique



Patella in Normal Alignment

Effect of a Patella-Stabilizing Brace on Lateral Subluxation of the Patella

By Frank G. Shellock, Ph.D., FACS; Adjunct Clinical Professor of Radiology, University of Southern California, School of Medicine

ABSTRACT: This study investigated the effect of a special patella brace on patients with lateral subluxation of the patella using kinematic magnetic resonance imaging (MRI). Fifteen patients were assessed with and without application of the brace (Shields Patella Stabilizing Brace, Hely & Weber, Santa Paula, Calif.) using active-movement, against-resistance kinematic MRI of the patellofemoral joint. Kinematic MRI examinations were evaluated using previously described qualitative criteria to determine patellofemoral relationships.

[*Am J Knee Surg.* 2000; 13:137-142.]

Now Available! Patient Home Therapy Program for Patellofemoral Pain

The Shields Rehab Kit Includes:

- The Shields Brace to Resolve the Pain
- Exercise Prescription Pad for Patient Consultation
- DVD of Strengthening and Flexibility Exercises and Pain Management Tips
- Exercise Resistance Cord

Order No.	Description / Options
5674K	Shields Rehab Kit with Brace
5674D	Shields Rehab Kit without Brace



Shields Brace Instructions:



1. Locate the outside edge of the kneecap. Position the soft rubber side of the U-shaped buttress face down and press the buttress against the outside edge of the kneecap. It is important to position the buttress directly next to the kneecap.



2. While holding the buttress against the kneecap with one hand, pull the lower flap across the buttress and adhere the end of the flap strap to the body of the brace. Switch hands while continuing to apply pressure to the buttress.



3. Pull the upper flap across the buttress and adhere the end to the brace body.

HELY & WEBER

Physician Inspired.
Passionately Designed.

1185 East Main Street, Santa Paula, California 93060
California 800.221.5465 National 800.654.3241
Fax: 800.559.5975 www.hely-weber.com