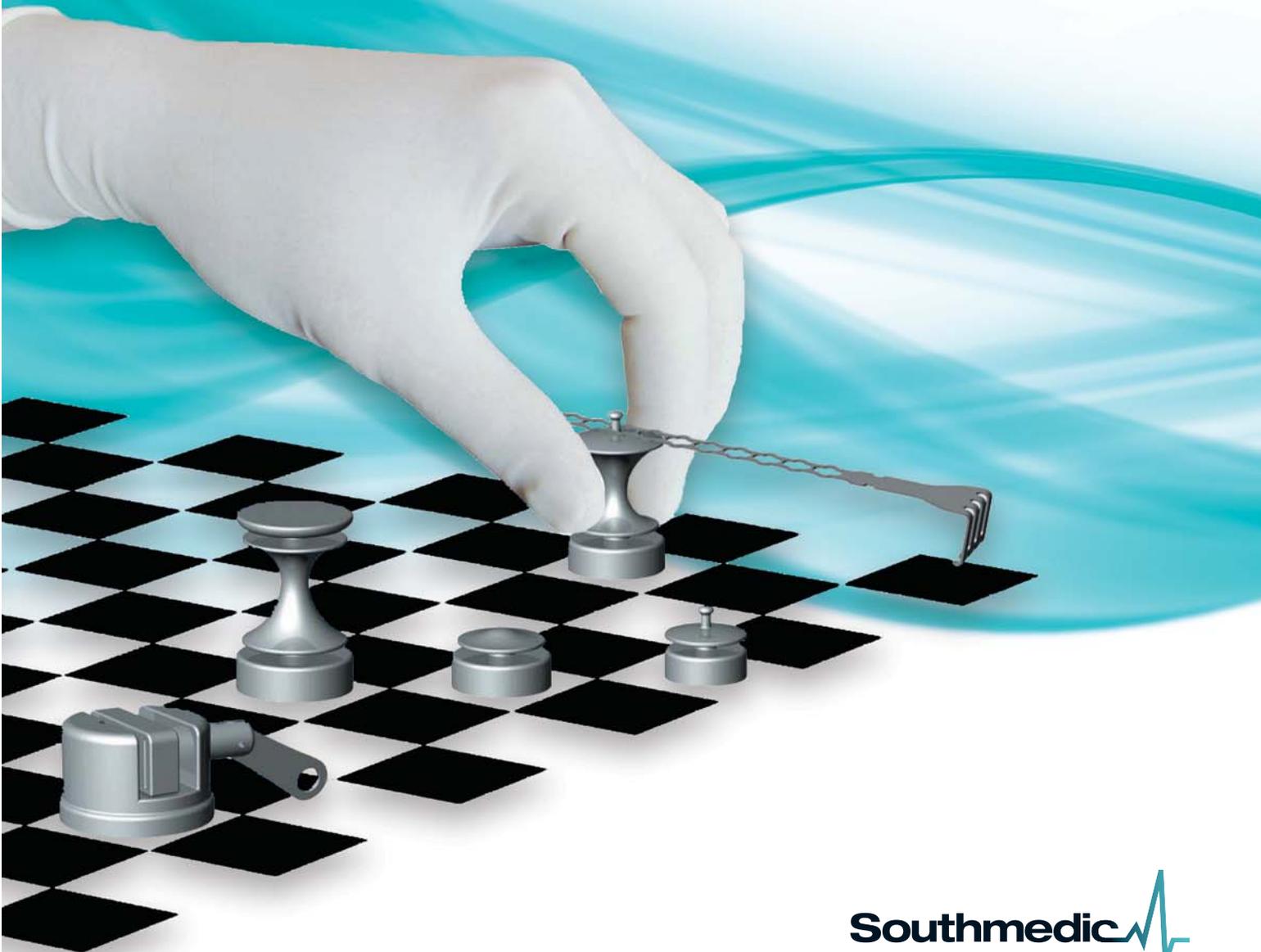
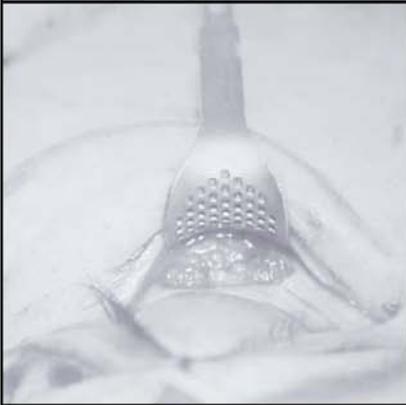
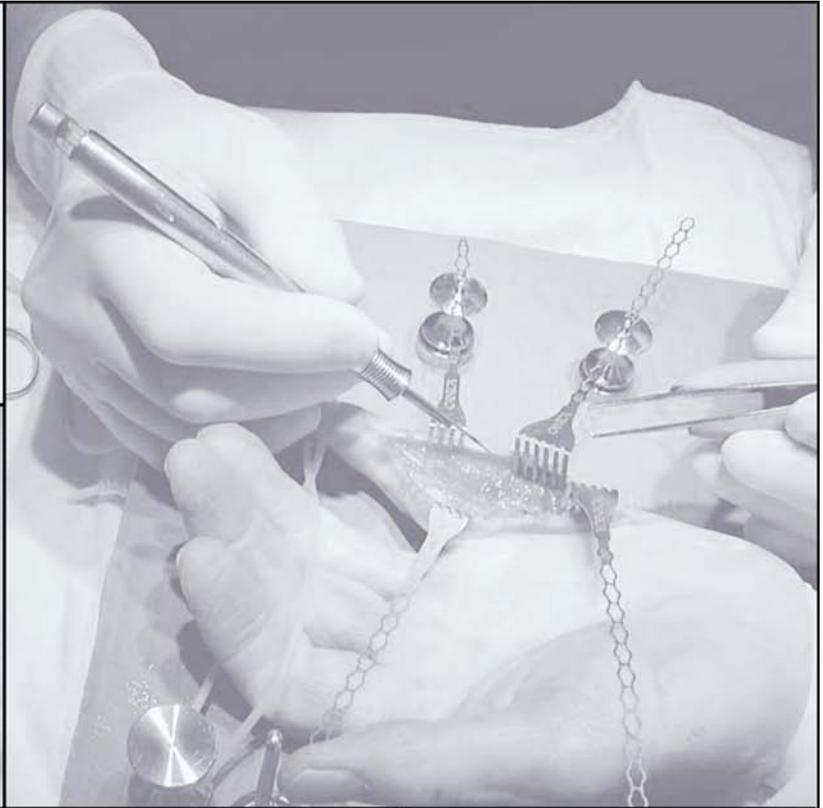


# CHESS<sup>®</sup> Surgery System

- Enables surgeon to have direct control of retraction and fixation
- Maintains retraction applied by the surgeon
- Eliminates the need for a surgical assistant
- Provides superior control and visualization of the operative site



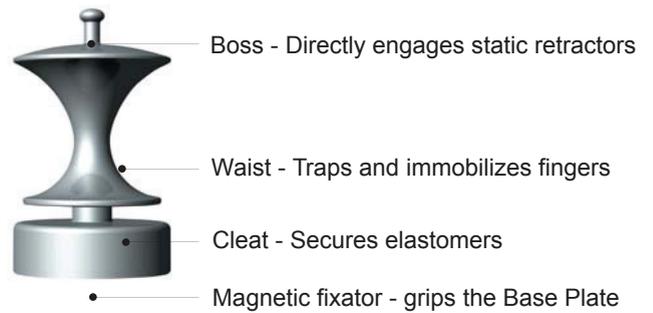


# Fixation

## The CHESS® Anchor System

- Anchor retractors
- Immobilize hands or fingers
- Secure system accessories

### Anchor Features



### Building High-Rise Solutions with CHESS®

- Anchors can be elevated by a Rook



- A Lance, when locked in a King, provides high, stable anchorage for static retraction



#### Pawn

- Smallest anchor
- Light grip, easily moveable
- Best for delicate static retraction



#### Bishop

- Strong with low profile
- Best for near field dynamic retraction



#### Queen

- Most versatile anchor
- Easy to maneuver
- Traps fingers
- Can perform several functions simultaneously
- Good for both static and dynamic retraction



#### Rook

- Strong elevating anchor
- Elevates all three smaller anchors
- Holds two elastomers
- Traps fingers



#### King

- Largest anchor
- Most powerful grip
- Secures system accessories

# Retraction

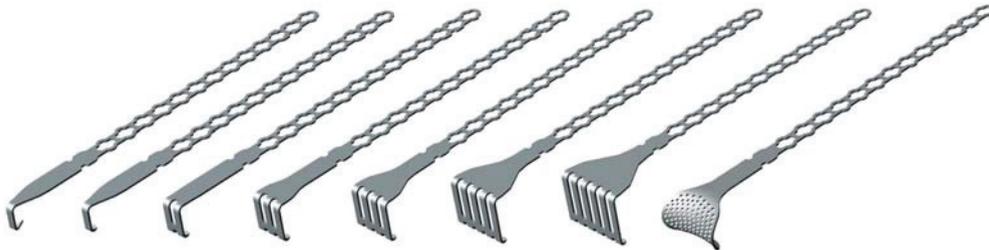
## The CHESS<sup>®</sup> Retraction System

CHESS<sup>®</sup> retraction methods may look unconventional, but the systematic approach sets a new standard for surgical precision and control. CHESS<sup>®</sup> is the first integrated surgical system to combine static retraction for fine tissue approximation with dynamic retraction for easy incision management. CHESS<sup>®</sup> minimizes, or in many cases eliminates, the need for a surgical assistant, and brings all elements in the surgical field under the direct control of the surgeon. The CHESS<sup>®</sup> System's slim and effective retractors perform their task with a minimum of clutter and superb feel.



### Static Retraction

Static retraction is created by securing a retractor to an anchor boss and positioning as required. Fine adjustments are possible with finger pressure.



*lock*



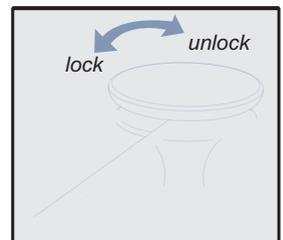
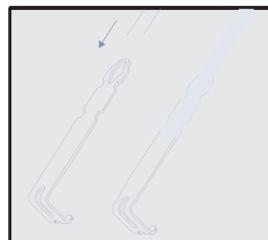
Static Retractors (Long)

### Dynamic Retraction

Dynamic retraction is created by inserting a short retractor into elastomer tubing, and then securing the elastomer to an anchor at the desired tension.



*lock*      *unlock*

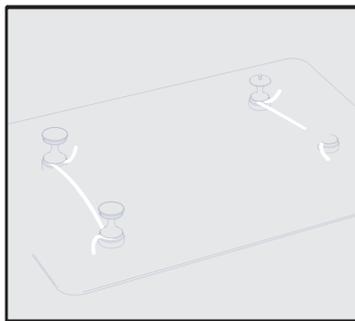


Dynamic Retractors (Short)

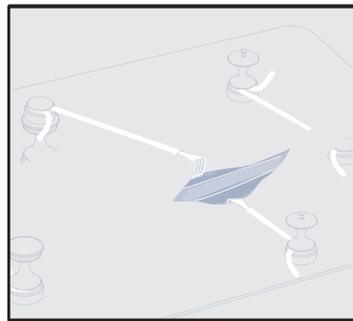
# What is Chess® ?

CHESS® is an instrument system for small procedures that brings operative site stabilization, incision retraction, and tissue manipulation under the direct control of the surgeon. The CHESS® anchor, a new class of surgical device, enables a systematic, unassisted approach to small surgical procedures.

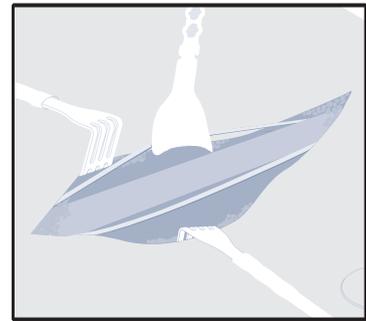
CHESS® anchors hold firmly and can be positioned or released without the complexities of a mechanical latch. This is made possible by shielded rare earth magnets contained within the base of the anchors.



*Stabilization*



*Retraction*



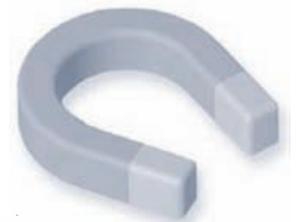
*Manipulation*

# What are Rare Earth Magnets ?

Purified rare earths were a by-product of nuclear fission research at the Oak Ridge National Laboratories in the early 1940s. General Electric discovered that binding the rare earth neodymium to iron with boron produced an alloy of unprecedented magnetic strength and longevity.

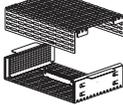
# Magnets Get a Bad Reputation

Ever since the image of the horseshoe magnet was adopted as a warning symbol for electro-magnetic interference, magnets have been maligned for problems they do not create. Electro-magnetic interference (EMI) is created by devices such as power lines, M.R.I. machines and radio transmitters. A rare earth magnet cannot cause this problem. The magnets used in the CHESS® system are focused to grip the surgical table securely and shielded to minimize their effect on the surgical area.



# Product Order Information

Description	Part Number
<b>ANCHORS</b>	
<b>Pawn</b> Smallest anchor. Light grip and easily moveable. Best used for delicate static retraction.	 SCMP1
<b>Bishop</b> Powerful low profile anchor. Best suited for near field dynamic retraction.	 SCMB1
<b>Queen</b> Most versatile anchor. Easy to maneuver. Traps fingers. Used for both static and dynamic retraction.	 SCMQ1
<b>Rook</b> Elevates smaller anchors. Traps fingers. Two cleats to lock elastomers for dynamic retraction.	 SCMR1
<b>King</b> Largest anchor. Most powerful grip. Vice-like jaw secures system accessories.	 SCMK1
<b>Lance</b> Used with a King to provide a vertical anchor for static retractors.	 SCFL1
<b>SHORT RETRACTORS</b>	
<b>Retractor - Fang</b> One-prong sharp, short body. Traumatic retractor.	 SCR1B
<b>Retractor</b> One-prong blunt, short body.	 SCR1A
<b>Retractor</b> Two-prong blunt, short body.	 SCR2A
<b>Retractor</b> Three-prong blunt, short body.	 SCR3A
<b>Retractor</b> Four-prong blunt, short body.	 SCR4A
<b>LONG RETRACTORS</b>	
<b>Retractor - Fang</b> One-prong sharp, long body. Traumatic retractor.	 SCR11
<b>Retractor</b> One-prong blunt, long body.	 SCR10
<b>Retractor</b> Two-prong blunt, long body.	 SCR20
<b>Retractor</b> Three-prong blunt, long body.	 SCR30
<b>Retractor</b> Four-prong blunt, long body.	 SCR40
<b>Retractor</b> Five-prong blunt, long body.	 SCR50
<b>Retractor</b> Six-prong blunt, long body.	 SCR60
<b>Retractor</b> Saddle retractor, 14mm. Atraumatic tissue gripping.	 SCR55

Description	Part Number
<b>INSTRUMENTS</b>	
<b>Base Plate</b> Magnetic stainless steel. Size: 20cm x 30cm	 CCBP1
<b>Base Plate</b> Magnetic stainless steel. Size: 30cm x 30cm	 CCBP2
<b>Radiolucent Base Plate</b> Magnetic stainless steel. Size: 20cm x 30cm, Window Size: 13cm x 15cm	 CCBP3
<b>Radiolucent Base Plate</b> Magnetic stainless steel. Size: 30cm x 30cm, Window Size: 15cm x 18cm	 CCBP4
<b>Inclined Base Plate Set</b> Magnetic stainless steel. 30 degree inclined plane. Rotates 180 degrees.	 CCBP6
<b>Base Plate Cover - Reusable</b> Fine weave textile provides smooth motion for micro surgery. Fits Base Plates CCBP1 and CCBP3.	 CCBP6
<b>Bridge</b> Wide wrist bridge. Requires 2 Kings (SCMK1) as anchors.	 CCFB1
<b>Storage Tray</b> Stores, secures and protects all retractive and magnetic fixative components of the CHESSE <sup>®</sup> System. Contains the magnetic field of the fixative components. Allows the CHESSE <sup>®</sup> components to be: <ul style="list-style-type: none"> <li>Washed (tunnel washer, ultra-sonic cleaning bath)</li> <li>Sterilized (autoclaved)</li> <li>Stored as procedure sets</li> </ul>	 CCT02
<b>DISPOSABLES</b>	
<b>CHESSE<sup>®</sup> Elastomer - Latex</b> Non-sterile. 2-metre length. Not available in the USA. Not recommended for hospital use.	 CCE01
<b>CHESSE<sup>®</sup> Elastomer - Silicone</b> Non-sterile. 2-metre length. 1/Pkg	 CCE02

