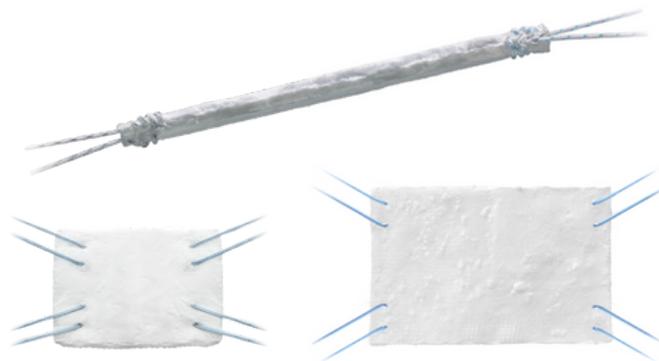


BioBrace[®]

Clinical Compendium



Upper Extremity

Anatomy	Citation	Journal	Year	Link
Rotator Cuff	Augmentation of a Rotator Cuff Tendon Repair Using a Bioinductive Biocomposite Scaffold in a Ovine Infraspinatus Model <i>William Walsh, Joaquin Batista, Vedran Lovric, James Crowley, Dan Wills, Andrew Carter, Tian Wang, Robert Stanton, Kevin Rocco, Robert Arciero</i>	JSES	2025	 
Rotator Cuff	Bridging Reconstruction Using a Biocomposite Scaffold for Large/Massive Rotator Cuff Tears: A Technique Guide <i>Samora Maranya, Sarah Remedios, Helen Crofts, Ivan Wong</i>	Arthroscopy Techniques	2025	 
Rotator Cuff	Favorable Early Patient-Reported Outcome Measures and Clinical Retear Rates in High-Risk Rotator Cuff Repairs Augmented with a Reinforced Bio-Inductive Implant at One-Year Follow Up <i>Sean McMillan, Elizabeth Ford, Shariff Bishai</i>	Surg Technol Int	2024	 
Rotator Cuff	Mechanical Properties of Augmented Rotator Cuff Repairs Using an Ovine Infraspinatus Model <i>William Walsh, Vedran Lovric, Tian Wang, Kevin Rocco, Joaquin Batista, Gowri Viswanathan, Jeffrey Ott</i>	AAOS Conf 2024	2024	 
Rotator Cuff	Surgical Repair and Augmentation of a Large Type-2 Retear of the Rotator Cuff with a Novel Biocomposite Scaffold: A Case Report <i>Sean McMillan, Elizabeth Ford, Scott Sigman</i>	JOEI	2022	 
Rotator Cuff	Arthroscopic Rotator Cuff Repair Technique Using a Bio-Composite Scaffold: Surgical Technique and Indications. <i>Quincy Cheesman, Patrick Szukics, Michael Stark, Sterling Kramer, Sean McMillan</i>	Arthroscopy Techniques	2022	 
Rotator Cuff	The Next Frontier for Rotator Cuff Augmentation? Strength and Bio-Induction. <i>Sean McMillan, Robert Arciero, Elizabeth Ford</i>	JOEI	2021	 

Anatomy	Citation	Journal	Year	Link
Clavicle	Reconstruction of Chronic Acromioclavicular Dislocation with Subacromial Hook Plate and Reinforced Collagen Implant: A Surgical Technique with Histological Evaluation <i>Gregory Colbath, Emily German, Wolfgang Schwartzman, Jeremy Mercuri, Amit Momaya</i>	JOEI	2025	 
Clavicle	Revision Clavicle Fracture ORIF with Bone Graft from the Distal Clavicle Utilizing BioBrace <i>Gregory Colbath, Emily German</i>	JOEI	2023	 
Distal Biceps	A Novel Distal Biceps Rupture Repair Technique Utilizing a Biocomposite Scaffold <i>David Le, Sean McMillan</i>	Surg Technol Int	2023	 
UCL	Augmented Ulnar Collateral Ligament Repair With Structural Bioinductive Scaffold: A Biomechanical Study <i>Kenneth Lin, Kenneth Brinson, Ran Atzman, Calvin Chan, Seth Sherman, Marc Safran, Michael Freehill</i>	AJSM	2024	 
Hand	Early Experience in Collateral Ligament Repair of the Hand with the use of a Novel Bio-Composite Scaffold: Technique and Outcomes <i>Devin Potter, Zachary Hanson, Gary Lourie</i>	JOEI	2025	 

Lower Extremity

Anatomy	Citation	Journal	Year	Link
Quad Tendon	Revision Quadriceps Tendon Rupture Repair Using BioBrace Augment: A Novel Case and Technique <i>Samora Maranya, Mitchell Baker, Nathan Urquhart</i>	Cureus	2025	 
ACL	One-Year Clinical Outcomes Following Anterior Cruciate Ligament Reconstruction Augmented with a Reinforced Bioinductive Implant <i>Sean McMillan, Jeff Murray, Elizabeth Ford</i>	Surg Technol Int	2025	 
ACL	ACL Reconstruction Augmented with a Novel Reinforced Bioinductive Implant: A Case Report With 18-Month Follow-Up <i>Alexander Ozonoff, B.S., Gowri Viswanathan, M.S., Michael R. Redler, MD</i>	JOEI	2025	 

Anatomy	Citation	Journal	Year	Link
ACL	Anterior Cruciate Ligament Reconstruction using Bone-Tendon-Bone Allograft: Surgical Technique Using Augmentation with Bio-Composite Scaffold <i>Elizabeth Marks Benson, Kaitlin Pyrz, Audria Wood, Eugene Brabston, Thomas Evely, Aaron Casp</i>	Arthroscopy Techniques	2024	 
ACL	Anterior Cruciate Ligament Allograft Reconstruction Augmented with a Reinforced, Bio-inductive Collagen Scaffold in the Setting of Multiligamentous Knee Injury <i>Andrew Bi, Andrew Hughes, Ian Savage-Elliott, Dylan Lowe, Robert Meislin</i>	Arthroscopy Techniques	2024	 
ACL	Preparation of Bone Patellar Tendon Bone Allograft with Biocomposite Scaffold Augmentation <i>Peter Serour, Lasun Oladeji, Clayton Nuelle, Steven DeFroda</i>	Arthroscopy Techniques	2024	 
ACL	Anterior Cruciate Ligament Reconstruction with Quadriceps Tendon Autograft: Surgical Technique Using Augmentation with a Bio-Composite Scaffold <i>Kaitlin Pyrz, Audria Wood, Collier Campbell, Thomas Evely, Aaron Casp, Amit Momaya</i>	Arthroscopy Techniques	2023	 
MPFL	No Difference in Pullout Strength Between a Bioinductive Implant and a Semitendinosus Tendon Graft in a Biomechanical Study of Medial Patellofemoral Ligament Repair Augmentation <i>Austin Wetzler, Sean McMillan, Erik Brewer, Aakash Patel, Samuel Handy, Merrick Wetzler</i>	Arthrosc Sports Med Rehabil	2024	 
MPFL	Medial Patellofemoral Ligament (MPFL) Augmented With A Reinforced Bio-Inductive Implant Is Biomechanically Similar to the Native MPFL At Time Zero In A Cadaveric Model <i>Sean McMillan, Seth Sherman, Zachary Brown, Erik Brewer, Elizabeth Ford</i>	Arthrosc Sports Med Rehabil	2024	 
MPFL	Medial Patellofemoral Ligament Repair Augmented with Reinforced Bioinductive Implant Using Double-bundle Patella Docking Technique <i>Matthew Schultz, Elizabeth Ford, Merrick Wetzler, Sean McMillan</i>	Arthroscopy Techniques	2024	 
MPFL	A Single Incision Technique of Medial Patellofemoral Ligament (MPFL) Repair with Augmentation Using a Reinforced Bio-Inductive Implant <i>Austin Wetzler, Sean McMillan, Aakash Patel, William Taylor, Merrick Wetzler</i>	JOEJ	2024	 

Anatomy	Citation	Journal	Year	Link
Meniscus	Repair of a Radial Tear of the Meniscus Augmented With a Biocomposite Scaffold <i>Audria Wood, Kaitlin Pyrz, Pearce Lane, Eugene Brabston, Thomas Evely, Aaron Casp, Amit Momaya</i>	Arthroscopy Techniques	2023	 
Patellar Tendon	Chronic Midsubstance Patellar Tendon and Retinacular Rupture: Primary Repair Enhancement Using Bioinductive Implant Augmentation. <i>Brent Geers, Shariff Bishai</i>	Arthroscopy Techniques	2023	 
MCL	Surgical Technique of Medial Collateral Ligament Repair of the Knee with Bioinductive Membrane Augmentation <i>David Figueroa, Waldo González, José Arteaga, Diego Godoy</i>	Archives of Surgery and Clinical Research	2025	 
MCL	Knee Medial Collateral Ligament Augmentation With Bioinductive Scaffold: Surgical Techniques and Indications <i>Matthew LeVasseur, Colin Uyeki, Patrick Garvin, Sean McMillan, Robert Arciero</i>	Arthroscopy Techniques	2022	 
Foot & Ankle	Technique for all arthroscopic Brostrom repair using novel biocomposite scaffold ligament graft <i>Jay Badell</i>	FASTRAC	2025	 
Foot & Ankle	Anterior Talofibular Ligament and Calcaneofibular Ligament Repair Reinforced by Bio-Inductive Implants <i>Atta Taseh, Lecran Aslan, Mohammad Hossein Chegini Kord, Mohamed Al Masri, Ahmad Hedayatzaheh Razavi</i>	AOFAS	2025	 
Foot & Ankle	Use of Bio-inductive Collagen Scaffold Graft to Repair Complex Soft Tissue Injuries to the Foot and Ankle: A Multi-Case Report <i>Sham Persaud, John E Marshall 4th</i>	Clin Podiatr Med Surg	2025	 
Achilles	A Comparison Between a Direct Repair and Flexor Hallucis Longus Transfer with Reinforced Inductive Implant Augmentation <i>Magnolia Livingston, William Bigham, Harrison Fellheimer, Few Evans, Ian Savage-Elliott</i>	JBJS Case Connector	2025	 
Achilles	A Novel Achilles Tendon Repair Technique Utilizing a Bio-Composite Scaffold for a Sub-Acute Tear <i>Harrison Patrizio, Rex Lutz, Charles Middleton, Luaryn Bianco, Sean McMillan</i>	Surg Technol Int	2023	 
Achilles	Surgical Repair and Augmentation of a Midsubstance Chronic Achilles Tendon Rupture with a Novel Biocomposite Scaffold: A Case Report <i>Michael Redler</i>	JOEI	2022	 