

Itamar Busheri Botser, MD

Curriculum Vitae

WWW.BOTSER.COM

April 7, 2015

Itamar Busheri Botser, MD

Curriculum Vitae

Experience

- **Senior Surgeon – Orthopedic Sports Medicine and Hip Preservation,**
The Knee and Arthroscopy Unit, Rambam Medical Center, Haifa, Israel
(2013 -)
- **Director of Medical Research** – The American Hip Institute, Chicago
(October 2011 – June 2012)
- **Clinical Surgical Assistance** –
Hinsdale Hospital, Hinsdale, IL USA
Weiss Memorial Hospital, Chicago, IL USA
Salt Creek Surgery Center, Westmont, IL USA
(2010-2012)

Education

- **Orthopedic Sports Medicine Fellowship**, directed by Marc Safran MD, with Garry Fanton MD, Jason Dragoo MD and Timothy McAdams
Stanford University (July 2012 – June 2013)
- **Hip Preservation Research Fellowship**, Directed by Benjamin Domb MD, with Avinash Patwardhan, Ph.D
Loyola University, Chicago, IL USA
Hinsdale Orthopaedics Associates, Hinsdale, IL USA
(December 2009 – November 2011)
- **Shoulder Surgery Fellowship** (informal), directed by Moshe Pritch MD, with Ariel Oran MD
The Chaim Sheba Medical Center (October 2008 - November 2009)
- **Orthopedic Surgery Residency**, directed by Aaron Chechick MD
The Chaim Sheba Medical Center (May 2003 – April 2009)
- **Doctor of Medicine, Ben Gurion University,**

Beer Sheva, Israel (May 2004)

- **Bachelor of Science, Ben Gurion University,**
Beer Sheva, Israel, Major: Medical science (June 1999)
- **ORT Joseph Harmatz Technological High School,**
Oriented at Robotics, Computers sciences and Physics
Givat Ram, Jerusalem (July 1991)

Licenses and Certifications

- Orthopedic surgery specialist (Israeli board certified) (May 2009)
- Israeli license for practice of medicine (June 2003)
- Clinical Surgical Assistance (April 2010, Illinois)

Professional Society Memberships

- Arthroscopy Association of North America (AANA) (2012)
- American Orthopaedic Society for Sports Medicine (AOSSM) (2012)
- Israel Orthopaedic Association (2009)
- Israel Medical Association (2003)

ECFMG Certificate #06501258 (June 17, 2010)

- USMLE step 1, score 216 (88) – April 2003
- USMLE step 2 CK, score 215 (86) – April 2003
- USMLE step 2 CS , Passed – June 2009

Teaching Experience

- Associate Master Instructor - Hip Arthroscopy Course AANA, Rosemont, IL USA
March 2011, July 2011, February 2012, February 2013
- Chief Resident – (2008)
- Academic Chief Resident (2005 - 2008)
- Orthopedic tutor of 5th year medical students – 3weeks orthopedic round (2008)
- Orthopedic instructor – Tel-Aviv university Medical school, 5th year medical students
(2007-2009)
- Orthopedic instructor – Sheba Academic School of Nursing, affiliated with the Sackler
School of Medicine, Tel Aviv University. (2004-2008)
- Anatomy tutoring for medical students, Ben Gurion University (1999-2001)

Honors and Awards

- Best Arthroscopic video for 2010, awarded by Arthroscopy Journal (to be announced), for *Partial-Thickness Tears of the Gluteus Medius: Rationale and Technique for Trans-Tendinous Endoscopic Repair*
- Awarded by the Israeli Orthopedic Association for achieving the highest national score in the first stage board examination (2006)

Research and Development

- Developed *Dr. Domb's online research database system*. From the pre-op clinic to scheduling, operative report, post operative follow up and reports
- Medical Advisor – *Surgix Orthopedic Solutions LTD* (2006 – 2009)
- Orthopedist consultant for incorporation of the computerized patient file – *CHAMELEON (by Elad group)* in the orthopedic ward in Sheba medical center (2008)
- Development of mathematical filters for X-ray images using MATLAB software - in collaboration with mathematicians and programmers (2006)
- Orthopedist consultant for incorporation of the computerized patient file – *CLINICARE (by Ness Technologies)* in the orthopedic ward in Sheba medical center (2005)

Extracurricular Activity

- Surgical video editing
- Medical website development using Drupal and Wordpress (www.botser.com, www.arthro.info, www.botser.com/wikib, www.hipcenter.org)

Book Chapters

1. **J.W.T. Byrd (ed.), Operative Hip Arthroscopy 3rd Edition, Pages 169-177, Chapter 12 - Loose bodies tips and pearls.. Domb BG and Botser IB. Springer Science + Business Media New York 2012**
2. **Delee & Drez's Orthopaedic Sports Medicine: Principles and Practice, 4th Edition, Chapter 79 – Hip Anatomy and Biomechanics Botser IB and Safran MR. Elsevier**

Peer Reviewed Papers

- 1. Predictive value of robotic-assisted total hip arthroplasty.**
El Bitar YF, Jackson TJ, Lindner D, **Botser IB**, Stake CE, Domb BG.
Orthopedics. 2015 Jan;38(1):e31-7. doi: 10.3928/01477447-20150105-57.
- 2. Open surgical dislocation versus arthroscopic treatment of femoroacetabular impingement.**
Botser IB, Jackson TJ, Smith TW, Leonard JP, Stake CE, Domb BG.
Am J Orthop (Belle Mead NJ). 2014 May;43(5):209-14
- 3. Open surgical dislocation versus arthroscopic treatment of femoroacetabular impingement.**
Botser IB, Jackson TJ, Smith TW, Leonard JP, Stake CE, Domb BG.
Am J Orthop (Belle Mead NJ). 2014 May;43(5):209-14
- 4. Arthroscopic Iliopsoas Fractional Lengthening for Internal Snapping of the Hip: Clinical Outcomes With a Minimum 2-Year Follow-up.**
El Bitar YF, Stake CE, Dunne KF, **Botser IB**, Domb BG.
Am J Sports Med. 2014 Apr 25;42(7):1696-1703.
- 5. Is Intraarticular Pathology Common in Patients With Hip Dysplasia Undergoing Periacetabular Osteotomy?** Domb BG, Lareau JM, Baydoun H, **Botser I**, Millis MB, Yen YM. *Clin Orthop Relat Res*. 2013 Oct 5.
- 6. Surgical Dislocation of the Hip Versus Arthroscopic Treatment of Femoroacetabular Impingement: A Prospective Matched-Pair Study With Average 2-Year Follow-up.** Domb BG, Stake CE, Botser IB, Jackson TJ.
Arthroscopy. 2013 Sep;29(9):1506-13. doi: 10.1016/j.arthro.2013.06.010.
- 7. Two-Year Outcome of Arthroscopic Capsular Repair of the Hip: A Prospective Matched-Pair Controlled Study.** Domb BD, Stake CE, Finley ZJ, Baise RA, Botser IB
Orthopaedic Journal of Sports Medicine 1 (4 suppl)
- 8. Surgical Dislocation of the Hip Versus Arthroscopic Treatment of Femoroacetabular Impingement A Prospective Comparative Study with 2-Year Follow-Up**
Jackson TJ, Stake CE, El Bitar Y, Lindner D, Botser IB, Domb BG
Orthopaedic Journal of Sports Medicine 1 (4 suppl)
- 9. Comparison of Robotic-assisted and Conventional Acetabular Cup Placement in THA: A Matched-pair Controlled Study.** Domb BG, El Bitar YF, Sadik AY, Stake CE, Botser IB. *Clinical Orthopaedic and Related Research*. 2013 Aug 29.

10. **Outcomes of Endoscopic Gluteus Medius Repair With Minimum 2-Year Follow-up.** Domb BG, Botser IB, Giordano BD.
American Journal of Sports Medicine. 2013 May;41(5):988-97
11. **Risk factors for ligamentum teres tears.** Domb BG, Martin DE, Botser IB.
Arthroscopy. 2013 Jan;29(1):64-73.
12. **MR Imaging of the Hip: Pathologies and Morphologies of the Hip Joint, What the Surgeon Wants to Know.** Botser IB, Safran MR. *Magn Reson Imaging Clin N Am.* 2013 Feb;21(1):169-82.
13. **Labral Penetration Rate in a Consecutive Series of 300 Hip Arthroscopies.** Domb BG, Hanypsiak B, Botser IB;
American Journal of Sports Medicine 2012 Apr;40(4):864-9.
14. **Iatrogenic Labral Puncture of the Hip is Avoidable.** Domb BG, Botser IB;
Arthroscopy Journal 2012 Mar;28(3):305-7
15. **Femoral Anteversion in the Hip: Comparison of Measurement by CT, MRI, and Physical Examination, and Relationship with Intra-Articular Findings.** Botser IB, Ozoude CG, Martin ED, Kuppaswami S, Domb BG. *Arthroscopy Journal* 2012 Jan 31.
16. **The significance of plain X-ray for diagnosing shoulder pain.** Botser IB, Oran A, Shapira S, Avivi E and Pritsch M. *Harefuah.* 2011 Sep;150(9):742-6, 749. Hebrew
17. **Tears of the Ligamentum Teres Prevalence in Hip Arthroscopy Using 2 Classification Systems.** Botser IB, Martin ED, Stout ES, and Domb BG. *American Journal of Sports Medicine*, Volume 39, Issue 1_suppl, p.117S - 125S, (2011)
18. **Anterior-Posterior Freehand Technique for Distal Locking Screws Insertion.** Botser IB, Shachar S, Herman A. *Techniques in Orthopaedics*, 2011 June 26(2)
19. **Open Surgical Dislocation vs. Arthroscopy for Femoroacetabular Impingement: A Comparison of Clinical Outcomes..** Botser IB, Nasser RM, Smith TW, Domb BG. *Arthroscopy.* 2011 Feb;27(2):270-8. Review.
20. **Partial-Thickness Tears of the Gluteus Medius: Rationale and Technique for Trans-Tendinous Endoscopic Repair.** Domb BG, Nasser RM, Botser IB.
Arthroscopy. 2010 Dec;26(12):1697-705
21. **Computerized Assisted Surgery for Dynamic Hip Screw: Using Surgix© a Novel Intra-operative Guiding System.** Herman, A., Dekel, A, Botser IB, Steinberg E. *Int J Med Robot.* 2009 Mar;5(1):45-50.

22. Intention to Treat and Missing Data in Orthopedic Randomized Clinical Trials.

Herman A, Botser IB, Tenenbaum S, Chechick A.

J Bone Joint Surg Am. 2009 Sep;91(9):2137-43.

23. Digital Image Enhancement Improves Diagnosis of Nondisplaced Proximal

Femur Fractures. Botser IB, Herman A, Nathaniel R, Rappaport D, Chechik A. *Clinical Orthopaedic and Related Research.* 2009 Jan;467(1):246-53.

24. Gunshot injury from a lead bullet in a 10-year-old boy. Botser IB, Beigel R, Katorza

E, Ganel A. *Isr Med Assoc J.* 2008 Oct;10(10):738-9.

25. The Application of the International Prognostic Factors Index to Lymphoma

Patients in Israel: a Retrospective Analysis of 216 Patients Treated in Southern Israel. Geffen D, Botser IB, Ariad S, Cohen Y; *Proc Am Soc Clin Oncol* 20: 2001

Conferences' Presentations

- i. North American Spine Society 28th Annual Meeting
 1. **Patients with Back Pain Have Inferior Results Following Hip Arthroscopy: A Minimum Two-Year Follow-Up Match-Paired Study.** *Botser IB*, Finley ZJ, Baise RA, Nasser RM, Domb BG. ePoster
- ii. The American Orthopaedic Society for Sports Medicine (AOSSM), Annual Meeting, Chicago, July 2013
 1. **Two-Year Outcome of Arthroscopic Capsular Repair of the Hip: A Prospective Matched-Pair Controlled Study.** Domb BG, Stake CE, Finley ZJ, Baise RA, *Botser IB*. Podium
 2. **Surgical Dislocation of the Hip Versus Arthroscopic Treatment of Femoro-acetabular Impingement: A Prospective Comparative Study with 2-Year Follow-Up.** Jackson TJ, Stake CE, El Bitar YF, Lindner D, *Botser IB*, Domb BG. Podium
 3. **Two-Year Follow-up of Hip Arthroscopies: A Matched Control Study Comparing Patients Over 50 Years to Patients Under 30 Years.** Linder D, *Botser IB*, Chen A, Williamson, Sadik A, Trenga A, Domb BG Podium
- iii. 13th International Conference on Computer Assisted Orthopedic Surgery, Orlando, FL, June 2013
 1. **Accuracy of Cup Positioning Using Robotic-Assisted Total Hip Arthroplasty: A Matched-Pair Controlled Study.** Domb BG, *Botser IB*, Jackson TJ, Lindner D, Stake CE, El Biter YF. Podium
- iv. Arthroscopy Association of North America (AANA), Annual Meeting, San Antonio, April 2013
 1. **Two-Year Follow-Up of Hip Arthroscopies: A Matched Control Study Comparing Patients Over 50 Years to Patients Under 30 Years.** Podium. *Lindner D, Botser IB, Trenga AP, Sadik A, Domb BG;*

- v. American Academy of Orthopaedics Surgeons (AAOS)– Annual Meeting, Chicago, March 2013
 - 1. **Two-Year Outcome of Arthroscopic Capsular Repair of the Hip – A Matched Pair Group Study.** Scientific Exhibit. *Domb BG, Finley ZJ, Baise RA, Botser IB*;
 - 2. **Hip Capsulotomies Should Be Routinely Repaired: A demonstration of Arthroscopic Capsular Plication.** Live Video Presentation. *Domb BG, Botser IB, Trenga AP*;
- vi. American Association of Hip and Knee Surgeons (AAHKS), Dallas, November 2012
 - 1. **Clinical Presentation and Imaging Results of Patients with Symptomatic Gluteus Medius Tears.** Podium. *Lindner D, Botser IB, Finley ZJ, Baise RA, Domb BG*;
- vii. International Society of Hip Arthroscopy (ISHA), Boston, September 2012
 - 1. **Clinical Presentation and Imaging Results of Patients with Symptomatic Gluteus Medius Tears.** Podium. *Lindner D, Botser IB, Finley ZJ, Baise RA, Domb BG*;
 - 2. **Comparison of dGEMRIC to Arthroscopic Evaluation of Acetabular Cartilage Damage in the Hip.** Podium. *Lindner D, Botser IB, Finley ZJ, Baise RA, Domb BG*;
- viii. Arthroscopy Association of North America (AANA), Annual Meeting, Orlando Florida, May 2012
 - 1. **Osteoplasty for Cam Type Impingement Is More Accurate When Performed Open than Arthroscopic.** Podium. *Domb BG, Botser IB*;
 - 2. **Arthroscopic Iliopsoas Tendon Release In The Treatment Of Internal Snapping Hip.** Podium. *Botser IB, Finley ZJ, Baise RA, Domb BG*;
 - 3. **Tears of the Ligamentum Teres Prevalence in Hip Arthroscopy Using 2 Classification Systems.** E-Poster. *Botser IB, Martin ED, Stout ES, and Domb BG*.

- ix. American Academy of Orthopaedics Surgeons (AAOS)– Annual Meeting, San-Francisco, California, February 2012
 - 1. **Relationship Between Tears of the Ligamentum Teres and Acetabular Undercoverage: Does Micro-Instability Play a Role? Podium, Botser IB, Martin DE, Domb BG**
 - 2. **Back Pain Prior To Hip Arthroscopy For Femoroacetabular Impingement Predicts Inferior Results. Podium. Botser IB, Paik RS, Nasser RM, Domb BG**
 - 3. **Acetabular Labral Tear Type in Relation to Mechanism of Hip Impingement. Poster, Botser IB, Martin DE, Domb BG**
- x. The American Orthopaedic Society for Sports Medicine (AOSSM) Specialty Day Meeting, San- Francisco, California, February 2012
 - 1. **Osteoplasty for Cam Type Impingement Is More Accurate When Performed Open than Arthroscopic. Podium. Domb BG, Botser IB**
- xi. Israeli Orthopaedic Association – Annual meeting, Tel-Aviv, Israel December 2011
 - 1. **Osteoplasty for Cam Type Impingement Is More Accurate When Performed Open than Arthroscopic. Podium. Domb BG, Botser IB**
 - 2. **Arthroscopic Iliopsoas Tendon Release In The Treatment Of Internal Snapping Hip. E-poster. Finley ZJ, Botser IB, Baise RA, Domb BG**
- xii. International Society of Hip Arthroscopy (ISHA), Paris France, October 2011
 - 1. **Clinical Results of Arthroscopic Treatment of Acetabular Labral Tears Using Three Methods. Podium, Domb BG, Martin DE, Botser IB**
 - 2. **Femoral Anteversion in the Hip: Comparison of Measurement by CT, MRI, and Physical Examination, and Relationship with Intra-Articular Findings. Podium. Botser IB, Ozoude g; Martin DE; S. Kuppaswami S, Siddiqi AJ, Domb BG**
 - 3. **Relationship Between Tears of the Ligamentum Teres and Acetabular Undercoverage: Does Micro-Instability Play a Role? Podium – Trainee Prize Nominee. Botser IB, Martin DE, Domb BG**
 - 4. **Back Pain Prior To Hip Arthroscopy For Femoroacetabular Impingement Predicts Inferior Results. E-Poster. Paik RS, Botser IB, Nasser RM, Domb BG**
 - 5. **Hip Arthroscopy Findings In The Setting Of Acetabular Dysplasia. E-Poster. Baydoun HE, Botser IB, LaReau JM, Domb BG**
 - 6. **Acetabular Labral Tear-Type in Relation to the Bony Morphology of the Hip. E-Poster, Botser IB, Martin DE, Domb BG**

7. **Outcomes Of Endoscopic Gluteus Medius Repair. E-Poster.** Baise RA, Botser IB, Finley ZJ, Domb BG
 8. **Tears of the Ligamentum Teres Prevalence in Hip Arthroscopy Using 2 Classification Systems. E-Poster.** Botser IB, Martin ED, Stout ES, and Domb BG.
 9. **Arthroscopic Iliopsoas Tendon Release In The Treatment Of Internal Snapping Hip. E-poster.** Finley ZJ, Botser IB, Baise RA, Domb BG
- xiii. The American Orthopaedic Society for Sports Medicine (AOSSM) Annual Meeting, San-Diego, California, July 2011
1. **Acetabular Labral Tear Type in Relation to Bony Morphology of the Hip, Podium,** Botser IB, Martin DE, Domb BG
- xiv. i. Arthroscopy Association of North America (AANA) Annual Meeting, San-Francisco, California, April 2011
1. **Prospective Analysis of Reduction of Iatrogenic Labral Tears During Hip Arthroscopy Using a Safe Access Technique, e-Poster,** Domb BG, Botser IB, Hanypsiak B
 2. **Acetabular Labral Tear-Type in Relation to the Bony Morphology of the Hip, e-Poster,** Botser IB, Martin DE, Domb BG
 3. **Comparison of CT and MRI Evaluation of Femoral Neck Version to Each Other and Hip Joint Motion, e-Poster,** Domb BG, Ozoude GC, Botser IB
 4. **Relationship between Tears of the Ligamentum Teres and Acetabular Undercoverage: Does Micro-Instability Play a Role?, e-Poster,** Botser IB, Martin DE, Domb BG
- xv. American Academy of Orthopaedics Surgeons (AAOS)– Annual Meeting, San Diego, March 2011
1. **Partial-Thickness Tears of the Gluteus Medius: Rationale and Technique for Trans-Tendinous Endoscopic Repair, VIDEO,** Domb BG, Nasser RM, Botser IB
 2. **Open Surgical Dislocation vs. Arthroscopic Approach to Femoro-Acetabular Impingement: A Prospective Comparison, Podium,** Domb BG, Smith TW, IB Boster,
 3. **The “Pop” Sign of the Hip: Association with Intra-articular Findings, Podium.** McAsey CJ, IB. Botser, Smith TW, Byrd JWT, Domb BG
- xvi. Israel Orthopaedic Association, Jerusalem, December 2010

1. ***Open Surgical Dislocation vs. Arthroscopic Approach to Femoro-Acetabular Impingement: A Prospective Comparison –Update, Podium***
Boster IB, Smith TW, Domb BG
 2. ***Prospective Analysis of Reduction of Iatrogenic Labral Tears During Hip Arthroscopy Using a Safe Access Technique, Podium***, Botser IB, Hanypsiak B, Domb BG
- xvii. International Society of Hip Arthroscopy (ISHA), Cancun, October 2010
1. ***Open Surgical Dislocation vs. Arthroscopic Approach to Femoro-Acetabular Impingement: A Prospective Comparison -Update Podium***
Domb BG, Smith TW, IB Boster,
 2. ***Prospective Analysis of Reduction of Iatrogenic Labral Tears During Hip Arthroscopy Using a Safe Access Technique, E-poster***, Domb BG, Botser IB, Hanypsiak B
 3. ***The Learning Curve in Hip Arthroscopy: A Prospective Analysis of Importance of Surgeon Experience, E-poster*** Domb BG, TW Smith, Botser IB
 4. ***The “Pop” Sign of the Hip: Association with Intra-articular Findings, E-poster*** . McAsey CJ, IB. Botser, Smith TW, Byrd JWT, Domb BG
- xviii. Arthroscopy Association of North America (AANA) Annual Meeting, May 2010, Hollywood, Florida
1. ***Open Surgical Dislocation vs. Arthroscopic Approach to Femoro-Acetabular Impingement: A Prospective Comparison, Podium***, Domb BG, Smith TW, Boster IB,
 2. ***The Learning Curve in Hip Arthroscopy: A Prospective Analysis of Importance of Surgeon Experience, E-poster*** Domb BG, Smith TW, Botser IB
 3. ***The “Pop” Sign of the Hip: Association with Intra-articular Findings, E-poster*** . McAsey CJ, IB. Botser, Smith TW, Byrd JWT, Domb BG

- xix. American Academy of Orthopaedics Surgeons - Annual Meeting, New Orleans, March 2010
1. ***The Learning Curve in Hip Arthroscopy: A Prospective Analysis of Importance of Surgeon Experience. Scientific Exhibit***, Domb BG, Smith TW, Botser IB
 2. ***The Labrum of the Hip: Anatomy, Biomechanics, and Functional Approach to Repair, Scientific Exhibit*** R Fry, Botser IB, Domb BG
- xx. Annual Meeting of the Israel Orthopedic Association, Jerusalem, December 2008.
1. ***Computerized Assisted Surgery for Dynamic Hip Screw: Using Surgix® a Novel Intra-operative Guiding System.*** Herman A, Dekel A, Botser IB, Steinberg E
 2. ***Intention to Treat and Missing Data in Orthopedic Randomized Clinical Trials Podium*** Herman A, Botser IB, Tenenbaum A, Checkick A
- xxi. Annual Meeting of the Israel Orthopedic Association, Tel Aviv, December 2006.
1. ***Functional results after Pollicization for the congenitally deficient thumb, Podium*** Hutt D, Botser IB, Levanon Y, Nachshon U, Bark M, Jaffe B