

### LICENSURE

- ∞ Licensed physician in Illinois State, January 2005 to Present.
- ∞ Licensed physician in New York State, August 2001 to October 2006.

### EDUCATION

- ∞ RUSH University Medical Center, Chicago, IL; Adult Reconstruction Fellowship (August 2005-2006)
- ∞ Hospital for Joint Diseases-NYU, New York, NY; Orthopaedic Residency (July 2002-2005)
- ∞ R. Adams Cowley Shock Trauma Center, Baltimore, MD; Trauma Rotation (October 2003-March 2004)
- ∞ NYU Hospital, NYU Downtown Hospital, Bellevue Hospital, NY VA Hospital; Surgical Internship (June 2001)
- ∞ Georgetown University School of Medicine, Washington, DC; Doctorate of Medicine (May 2000)
- ∞ Georgetown University, Washington, DC; MS in Physiology and Biophysics *cum laude* (August 1996)
- ∞ American University, Washington, DC; BS in Chemistry; Minor in Mathematics *cum laude* (May 1995)

### CURRENT RESEARCH

- ∞ Low Head Center and Gender Differences in Hip Anatomy.
- ∞ Bipolar Hemiarthroplasty: Historical perspective and review of the literature.
- ∞ Mini-posterior Approach THA versus 2-incision THA: One surgeon's experience and outcomes.
- ∞ Metal-metal THA for Displaced Femoral Neck Fractures.
- ∞ Porous Tantalum Primary Hip Prosthesis: Short-term follow-up.
- ∞ An Evidenced Based Review of Alternative Bearings in THA. Which one is the best?

### ACHIEVEMENTS

- ∞ Completed Birmingham Resurfacing and Deuce Bi-compartmental knee arthroplasty training (2008)
- ∞ Candidate Member of the American Association of Hip and Knee Surgeons (October 2007; ongoing)
- ∞ Utilization of HA in Primary and Revision Surgery Learning Centre (May 2007)
- ∞ Recipient of a 2007 MAOA Education Grant (March 2007)
- ∞ Serve on Editorial Board for the Journals: Hospital Physician, Journal of Clinical Rehabilitative Tissue Engineering Research and HJD Bulletin (November 2006; ongoing)
- ∞ Candidate Member of the Mid-America Orthopaedic Association (October 2006; ongoing)
- ∞ Zimmer Revision Hip Arthroplasty course (August 2006)
- ∞ Recipient of Leonard Marmor Surgical Arthritis Foundation Award, Rush University (June 2006)
- ∞ Stryker Current Controversies in THA and TKA (September 2005)
- ∞ Zimmer MIS Hip and Knee Arthroplasty course (July and August 2005)
- ∞ Johnson & Johnson Basics in Arthroplasty course (August 2002)
- ∞ Smith and Nephew Orthopaedic Surgical Exposures Course for Residents (May 2002)
- ∞ AO Basic course for Residents (January 2001)
- ∞ Candidate member of the American Academy of Orthopaedic Surgeons (July 2001; ongoing)
- ∞ Successfully completed USMLE Steps 1 (June 1998), 2 (March 2000) 3 (January 2001)
- ∞ Awarded best clinical research presentation at the 13<sup>th</sup> Annual Georgetown University Research Days (March 1999)
- ∞ Member of the American Medical Association and Medical Society of New York (June 1998; ongoing)
- ∞ Recipient of Georgetown University Summer Research Fellowship (June 1997)
- ∞ Recipient of the Hammerman Scholarship for First Year Medical Students (July 1996)

**WORK EXPERIENCE**

**Midwest Orthopaedics at Rush, Chicago, IL**

- ∞ Assistant professor with interests in Adult Reconstructive Surgery (August 2008 to Present)
- ∞ Specialize in complex revision hip and knee reconstructions
- ∞ Research interests: Porous biomaterials, revision hip and knee techniques/technology, metal ion levels and hypersensitivity in metal-metal bearings, and digital templating accuracy.

**Midwest Orthopaedic Center, Peoria, IL**

- ∞ Attending physician with interests in Adult Reconstructive and Trauma Surgery (August 2006-2008)
- ∞ Specialize in complex revision hip and knee reconstructions

**New York University Hospital/Hospital for Joint Diseases, New York, NY**

- ∞ Provided medical attention for patrons of Shea Stadium at the on-site first aid center (July 2002-2005)
- ∞ Served as on field/court team physician for NYU Division III Women's basketball, as well as High School Varsity and Junior Varsity football games (June 2001-Present)

**Georgetown University School of Medicine and Medical Center, Washington, DC**

- ∞ *Certified Orthopaedic Technician*; Performed traction set-up, casting, and splint application (August 1993-1998)

**Aadvance Transmissions Inc., Smithtown, NY**

- ∞ *Assistant Manager and Automobile Mechanic*; Performed transmission and basic automotive repairs (June 1990-1993)

## PUBLICATIONS

- ∞ **Levine BR.** Orthopaedic Oncology: Review questions. *Hospital Physician* 44(3);March, 2008:40-42.
- ∞ **Levine BR.** Advances of Porous Metals in Total Hip Arthroplasty. Submitted to *Orthopedics*, 10/07
- ∞ **Levine BR.** A New Era in Porous Metals: Applications in orthopaedics. Accepted to *Adv Eng Mater*, 2/08.
- ∞ Deirmengian CA, **Levine BR**, Waterman S, Della Valle CJ, Berger RA. Femoral offset, neck length and neck-shaft angle: Precise measurement with standard digital radiography and software. Submitted to *Skeletal Radiol* 11/05.
- ∞ **Levine BR**, Della Valle CJ, Hamming M, Sporer S, Berger RA, Paprosky WG. Use of the Extended Trochanteric Osteotomy in Treating Periprosthetic Infection. Accepted to *J Arthroplasty* 9/07.
- ∞ **Levine BR**, Della Valle CJ, Deirmengian C, Breien KM, Sporer S, Weeden S, Paprosky WG. The use of a Tripolar Articulation in Revision Total Hip Arthroplasty: A minimum of 24 months follow-up. Accepted to *J Arthroplasty* 1/5/07.
- ∞ **Levine BR**, Lewis P, Della Valle CJ, Sporer S, Berger RA, Paprosky WG. Extended Trochanteric Osteotomy for the Treatment of Vancouver B2/B3 Periprosthetic Fractures of the Femur. *J Arthroplasty* 24(3);2008:527-533.
- ∞ **Levine BR**, Kaplanek B, Scarfura D, Jaffe WL. Rehabilitation after total hip and knee arthroplasty: A new regimen using pilates training. *Bull NYU Hosp Jt Dis* 65(2);2007:120-125.
- ∞ **Levine BR**, Della Valle CJ, Sporer S, Jacobs JJ, Paprosky WG. The use of Porous Tantalum in Reconstructive Knee Surgery. *J Knee Surgery* 20(3);2007:185.
- ∞ Iofin I, **Levine BR**, Badlani N, Klein G, Jaffe WL. Psoriatic Arthritis and Arthroplasty. A review of the literature. *Bull NYU Hosp Jt Dis* 66(1);2008:41-48.
- ∞ **Levine BR**, Klein G, DiCesare P. Surgical approaches in THA: Review of MIS and mini-incision exposures. *Bull NYU Hosp Jt Dis*. 65(1);2007:5-18.
- ∞ Miyamoto R, **Levine BR**, Kaplan K, Zuckerman JD. Surgical management of hip fractures. An evidence-based review of the literature. Accepted to *J Amer Acad Orthop Surg*, 8/05.
- ∞ **LevineBR.** Correspondence: Applications of porous tantalum in total hip arthroplasty. *J Amer Acad Orthop Surg* 15;2007:137-138.
- ∞ **Levine BR.** Disorders of the Hip: Review questions. *Hospital Physician* 43(3);March, 2007:40-42.
- ∞ **Levine BR**, Klein G, Hozack, W, Strauss EJ, D'Antonio JA, Macaulay W, DiCesare PE. Return to Athletic Activity After THA: Consensus guidelines based on a survey of AAHKS and the Hip Society. *J Arthroplasty* 22(2);2007:171-175.
- ∞ **Levine BR**, Eglseider WA. Heterotopic ossification after excision of a palmar wrist ganglion. A case report. *Am J Ortho* 35(12);2006:575-577.
- ∞ **Levine BR**, Della Valle CJ, Jacobs JJ. Applications of porous tantalum in total hip arthroplasty. *J Amer Acad Orthop Surg* 14(12);2006:646-655.
- ∞ Pereira GC, Kubiak EN, **Levine BR**, Chen F, DiCesare PE. Cavitary acetabular defects treated with morselized cancellous bone graft and cementless cups. *Int Orthop* 2006[Published on-line September 19<sup>th</sup>, ahead of print].
- ∞ **Levine BR**, Della Valle C, Sporer S, Poggio RA, Jacobs JJ. Leading Opinion: Experimental and clinical performance of porous tantalum in orthopaedic surgery. *Biomaterials* 27;2006:4671-4681.
- ∞ Lazar M, **Levine BR**, Jaffe W. Bilateral total hip arthroplasty in a patient with Waldenström's macroglobulinemia. A case report and review of the literature. *Orthopedics* 30(5);2007:401-402.
- ∞ **Levine BR**, Weisz R, Kubiak EN, Testa N. Long term radiographic evaluation of trilock press-fit acetabular components in primary total hip arthroplasty. *HJD Bulletin* 62(3&4);2005:115-120.
- ∞ **Levine BR**, Rosen J, Periera D. Lesser tuberosity fractures in adolescents: A case report and review of the literature. *J Orthop Trauma* 19(5);2005:349-352.
- ∞ **Levine BR**, Jaffe W: Osteonecrosis of the femoral head. *MedGenMed*. 2003 May 7; 5(2)29.
- ∞ **Levine BR**, Evans B: Use of blood culture vial specimens in intraoperative detection of infection. *Clin Orthop*. 382;2001:222-231.
- ∞ Horton D, **Levine BR**, Norris P, Luck RL, Silverton JV. 5-Deoxy-5-C-(5-ethoxycarbonyl-1,2,3-triazol-1-yl)-1,2-O-isopropylidene- $\alpha$ -D-xylofuranose. *Acta Crystallographica*. C53, 1997. 120-122.
- ∞ Norris P, Horton D, **Levine BR**. Cycloaddition of acetylenes with 5-Azido-5-deoxy-D-aldopentose derivatives: Synthesis of triazole reversed nucleoside. *Heterocycles*. 43, 1996. 2643-2655.
- ∞ Norris P, Horton D, **Levine BR**. Synthesis of 1,5-dideoxy-1,5-imino-D-xylonolactam via acid-catalyzed intramolecular Schmidt rearrangement. *Tetrahedron Letters*. 36(43), 1995. 7811-7814.

**BOOK CHAPTERS**

- ∞ **Levine BR**, Della Valle CJ: Periprosthetic fractures. *In AAOS Monograph Series: Complications in THA*, edited by Craig J Della Valle, MD.
- ∞ **Levine BR**: Chapter 20: I have a patient with an infected well fixed femoral component. How do I remove this without destroying the femoral bone? *In Curbside Consultations: THA*, edited by Scott Sporer, MD.
- ∞ **Levine BR**: Chapter 49: How do I choose my surgical incision in TKA? *In Curbside Consultations: TKA*, edited by Craig J Della Valle, MD.
- ∞ **Levine BR**, Meere P, DiCesare PE, Zuckerman JD: *Hip Fracture Treated by Arthroplasty*. *In The Adult Hip*, 2<sup>nd</sup> Edition, edited by J. J. Callaghan, A. G. Rosenberg, and H. E. Rubash.
- ∞ Black J, **Levine BR**, Jacobs, J: *Biomaterials Overview*. *In The Adult Hip*, 2<sup>nd</sup> Edition, edited by J. J. Callaghan, A. G. Rosenberg, and H. E. Rubash.

**POSTERS**

- ∞ "Closure of Hip Fracture Wounds Using a Topical Adhesive Without a Surgical Dressing: Reduction in Post-operative Tape Blisters." Annual Meeting of the Eastern Orthopaedic Association (EOA), 2008.
- ∞ "Return to Athletic Activity after THA: Consensus guidelines based on a survey of the hip society and the american association of hip and knee surgeons." 16<sup>th</sup> Annual Meeting of the American Association of Hip and Knee Surgeons (AAHKS), Dallas, TX, November 3-5, 2006.
- ∞ "Porous Tantalum in Total Hip and Knee Arthroplasty." **BR Levine**, CJ Della Valle, SM Sporer, WG Paprosky, JJ Jacobs. 19<sup>th</sup> Annual Symposium of the International Society for Technology in Arthroplasty (ISTA), New York, NY, October 6-9, 2006.
- ∞ "Use of a Tripolar Articulation in Revision Total Hip Arthroplasty." **BR Levine**, C Deirmengian, CJ Della Valle, SM Sporer, S Weeden, WG Paprosky. Rush University Medical Center Research Day, Chicago, IL April 5-6, 2006.
- ∞ "Use of the Extended Trochanteric Osteotomy in Treating Periprosthetic Infection." MG Hamming, **BR Levine**, CJ Della Valle, SM Sporer, AG Rosenberg, WG Paprosky. Rush University Medical Center Research Day, Chicago, IL April 5-6, 2006.
- ∞ "Applications of Porous Tantalum in Orthopaedic Surgery." **BR Levine**, CJ Della Valle, SM Sporer, WG Paprosky, JJ Jacobs. Rush University Medical Center Research Day, Chicago, IL April 5-6, 2006.
- ∞ "Extended Trochanteric Osteotomy for the Treatment of Periprosthetic Fracture: A minimum 2-year follow-up Study." PB Lewis, **BR Levine**, CJ Della Valle, SM Sporer, AG Rosenberg, WG Paprosky. Rush University Medical Center Research Day, Chicago, IL April 5-6, 2006.
- ∞ "Isolated Acetabular Revision Secondary to Aseptic Loosening? A case report." **BR Levine**, C Deirmengian, W Paprosky. 2<sup>nd</sup> Annual Joint Arthroplasty Young Investigators' Conference, Chicago, IL March 21, 2006.
- ∞ "Surgical Approaches in THA: Review of mini-incision, MIS, and CAOS techniques." **BR Levine**, G Klein and P DiCesare. Senior Research Project, HJD/NYU, NY, NY January 12, 2005.
- ∞ "Medial Pivot Knee Replacement." **BR Levine**, M Baskies, B White, and SA Stuchin. 72<sup>nd</sup> Annual Meeting of the American Academy of Orthopaedic Surgeons, Washington, DC, February 2005.
- ∞ "The Utility of Blood Culture Vial Specimens in Intraoperative Detection of Infection." **BR Levine** and B Evans. 66<sup>th</sup> Annual Meeting of American Academy of Orthopaedic Surgeons, Anaheim, CA, February 1999.
- ∞ "The Utility of Blood Culture Vial Specimens in Intraoperative Detection of Infection." **BR Levine** and B Evans. 13<sup>th</sup> Annual Georgetown University Research Days—Clinical Division, Washington, DC, March 1999.
- ∞ "Cycloadditions of 5-azido-5-deoxyaldopentoses with Acetylenes: Regiochemical Outcome and Manipulation to Acyclic Nucleoside Analogs." **BR Levine**, P Norris, R Luck, JV Silverton, and D Horton. 30<sup>th</sup> American Chemical Society Middle Atlantic Regional Meeting, Philadelphia, PA, May 1996.
- ∞ "Applications of In Situ mRNA Hybridization for Detection of Regulatory Peptides." **BR Levine**, J Gu and N Agrawal. 10<sup>th</sup> Annual Georgetown University Research Days—Clinical Division, Washington, DC and 1<sup>st</sup> Annual Deborah Research Institute Science Fair, Browns Mills, NJ, August 1995.
- ∞ "Effects of Vacuum on Immunocytochemical Staining and In Situ mRNA Hybridization." **BR Levine** and J Gu. 1<sup>st</sup> Annual Deborah Research Institute Science Fair, Browns Mills, NJ, August 1995.
- ∞ "Synthesis of Triazoles by Cycloaddition of Acetylenes with 5-azido-5-deoxy-D-Ribose and 5-azido-5-deoxy-D-Xylose Derivatives." **BR Levine**, D Horton and P Norris. Abstracts of Papers, 29<sup>th</sup> American Chemical Society Middle Atlantic Regional Meeting, Washington, DC, May 1995.

- ∞ “*A New Route to Iminosugars.*” **BR Levine**, D Horton and P Norris. Abstracts of Papers, 209<sup>th</sup> National Meeting of the American Chemical Society, Anaheim, CA, April 1995.
- ∞ “*Synthesis of Xylose Derivatives as Potential Glycosidase Inhibitors.*” **BR Levine**, D Horton and P Norris. 5<sup>th</sup> Annual College of Arts and Sciences Research Conference (American University) Washington, DC, March 1995.

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**PRESENTATIONS**

- ∞ “*Porous Tantalum in Revision Hip and Knee Arthroplasty: Indications, Techniques, and Clinical Outcomes.*” **BR Levine**. Louisville Orthopedic Society, Louisville, KY, August 18, 2008.
- ∞ “*Closure of Hip Fracture Wounds Using a Topical Adhesive Without a Surgical Dressing: Reduction in Post-operative Tape Blisters.*” **BR Levine**, C Deirmengian, G Evangelista. 2008 NYU/HJD Alumni Association Meeting, New York, NY, May 9, 2008.
- ∞ “*The Accuracy of Preoperative Digital Templating in Primary Total Hip and Knee Arthroplasty.*” **BR Levine**, C Deirmengian, T Mulvey. 26<sup>th</sup> Annual Meeting of the Mid-America Orthopaedic Association, ChampionsGate, FL, April 19, 2008.
- ∞ “*Use of the Extended Trochanteric Osteotomy in Treating Periprosthetic Infection: A 3.5 year follow-up study.*” **BR Levine**, CJ Della Valle, SM Sporer, AG Rosenberg, WG Paprosky. 26<sup>th</sup> Annual Meeting of the Mid-America Orthopaedic Association, ChampionsGate, FL, April 19, 2008.
- ∞ “*A New Era in Porous Metals: Biomaterial properties and applications of porous tantalum in Orthopaedic Surgery.*” **BR Levine**. 5<sup>th</sup> International Conference on Porous Metals and Metallic Foams, Montreal, Canada, September 6, 2007.
- ∞ “*The Use of an Unconstrained Tripolar Articulation for Revision Total Hip Arthroplasty.*” **BR Levine**, C Deirmengian, CJ Della Valle, SM Sporer, SH Weeden, WG Paprosky. 25<sup>th</sup> Annual Meeting of the Mid-America Orthopaedic Association, Boca Raton, FL, April 15, 2007.
- ∞ “*The Use of the Extended Trochanteric Osteotomy in Treating Vancouver B2/3 Periprosthetic Femur Fractures.*” **BR Levine**, P Lewis, CJ Della Valle, SM Sporer, RA Berger, WG Paprosky. 25<sup>th</sup> Annual Meeting of the Mid-America Orthopaedic Association, Boca Raton, FL, April 15, 2007.
- ∞ “*The Use of the Extended Trochanteric Osteotomy in Treating Periprosthetic Infection.*” **BR Levine**, M Hamming, CJ Della Valle, SM Sporer, RA Berger, WG Paprosky. Rush University Thesis Day, Chicago, IL, June 30, 2006.
- ∞ “*Return to Sports after Total Hip Arthroplasty: The impact of alternative bearings and MIS.*” **BR Levine**, E Strauss, G Klein, P DiCesare, and J D’Antonio. NYU/HJD Research Presentation, NY, NY May 15, 2005.