

CURRICULUM VITAE

MESFIN AKLILU LEMMA, MD

CURRENT APPOINTMENTS

Assistant Professor
Department of Orthopaedic Surgery
Johns Hopkins University

Assistant Residency Director
Department of Orthopaedic Surgery
Johns Hopkins University

Co-Director
Johns Hopkins Spine at Good Samaritan Hospital
Good Samaritan Hospital

Faculty
Internal Medicine Residency Program
Good Samaritan Hospital

Coordinator
Good Samaritan Hospital Rotation
Johns Hopkins Orthopaedic Surgery Residency Program

PERSONAL DATA

Address: Office - Johns Hopkins Orthopaedics at Good Samaritan Hospital
5601 Loch Raven Blvd., Suite 204
Baltimore, MD 21239
Tel: (443) 444 - 4786
Fax: (443) 444 - 4775
e-mail: mlemma2@jhmi.edu

Citizenship: United States

Social: Spouse: Tigist Hailu, M.D.
Department of Cardiology
Johns Hopkins Hospital
Two daughters

EDUCATION AND TRAINING

UNDERGRADUATE: B.Sc., Mechanical Engineering
Magna cum laude
Case Western Reserve University (CWRU)
Cleveland, Ohio
August, 1986 – January, 1991

MEDICAL SCHOOL: MD, CWRU School of Medicine
AOA, Medical Honor Society
Cleveland, Ohio
August, 1993 – May, 1997

INTERNSHIP: Johns Hopkins Hospital
Department of General Surgery
July, 1997 – July, 1998

RESIDENCY: Johns Hopkins Hospital
Department of Orthopaedic Surgery
Baltimore, Maryland
July, 1998 – July, 2002

FELLOWSHIP: Johns Hopkins Hospital
Department of Orthopaedic Surgery
Division of Spine Surgery
July, 2002 – July, 2003

LICENSURE/CERTIFICATION

State Licenses: Maryland; 2002; #D0059030

Certifications: Certified by the American Board of Orthopaedic Surgery
Written exam July, 2002
Oral exam July, 2006

RESEARCH ACTIVITIES

Peer-reviewed scientific articles

1. Ahn UM, **Lemma MA**, Ahn NU, Buchowski J, Kostuik JP. Occipitocervical Fusion: A Review of Indications, Techniques of Internal Fixation, and Results. *Neurosurgery Quarterly* 11(2):77-85, 2001.
2. Ahn UM, Ahn NU, Buchowski JM, Kebaish KM, **Lemma MA**, Sieber AN, Kostuik JP. Functional Outcome and Radiographic Correction After Spinal Osteotomy. *Spine*. 2002 Jan 15;27(12):1303-11.
3. Tortolani PJ, **Lemma MA**, Riley LH III. Managing Lumbar Spinal Stenosis. *J Musculoskelet. Med.* 21(1):10-12,14-16,19-20, 2004.
4. **Lemma MA**, Cohen DB, Kebaish KM, Faust MD, Kostuik JP. Fusions to the Sacrum: Review of the Literature and Results of a Trans-ileal Fixation. Accepted for publication, *Spine Journal*.

Book Chapters

1. Khanna AJ, **Lemma M**, Wasserman BA, McLain RF. Imaging: Screening for Spinal Disease. In *Cancer of the Spine*, McLain RF, et al.. The Humana Press, Inc, Totowa, NJ, 2006, p67-72.
2. **Lemma M.**, Herzka A., Tortolani J., Carbone JJ. Cauda Equina Syndrome Secondary to Lumbar Disc Prolapse. *Principles and Practice of Spine Surgery*. Vaccaro AR, Betz RR, Zeidman SM (eds): Philadelphia, WB Saunders Co, 2002.
3. **Lemma M**, Kostuik JP. Pathophysiology of Lumbar Degenerative Disc Disease. *Scoliosis Research Society (SRS) Core Curriculum Textbook: DeWald R (ed)*, 2002.
4. **Lemma M**, Kostuik JP. Disseminated Intravascular Coagulation (DIC) in Spinal Surgery. *Scoliosis Research Society (SRS) Core Curriculum Textbook: DeWald R (ed)*, 2002.
5. **Lemma M**, Kostuik JP. Deep Venous Thrombosis (DVT) in Spinal Surgery. *Scoliosis Research Society (SRS) Core Curriculum Textbook: DeWald R (ed)*, 2002.

PROFESSIONAL SOCIETIES

1. Alpha Omega Alpha Medical Honor Society, 1996- present
2. American Academy of Orthopaedic Surgeons, 2000 to present
3. North American Spine Society (NASS), 2003 to present
4. The Johns Hopkins Medical and Surgical Association, 2003 to present
5. Maryland Orthopaedic Association, 2005 to present

SCIENTIFIC PRESENTATIONS AT NATIONAL / INTERNATIONAL MEETINGS

1. **Lemma M**, Antezana D, Cohen D, Kostuik JP. The Surgical Management of Thoracolumbar Burst Fractures: A Meta-analysis of Anterior Versus Posterior Treatment. Congress of Neurosurgeons (CNS), San Antonio, TX, September, 2000.
2. **Lemma M**, Cohen DB, Kebaish KM, Faust MD, Kostuik JP. Fusions to the Sacrum: Results of a Trans-ileal Fixation. North American Spine Society (NASS) Annual Meeting, Seattle, WA, 2001.
3. Ahn UM, Ahn NU, Buchowski JM, Kebaish KM, **Lemma MA**, Sieber AN, Kostuik JP. Functional Outcome and Radiographic Correction After Spinal Osteotomy. NASS, Seattle, WA, 2001.
4. **Lemma M**, Cohen DB, Kebaish KM, Faust MD, Kostuik JP. Fusions to the Sacrum: Results of a Trans-ileal Fixation. Meeting of the Americas, New York, NY, April, 2002.
5. **Lemma M**, Cohen DB, Kebaish KM, Faust MD, Kostuik JP. Fusions to the Sacrum: Results of a Trans-ileal Fixation. American Academy of Orthopaedic Surgeons (AAOS) Annual Meeting, New Orleans, February, 2003.
6. **Lemma, M.** 'Tuberculosis of the Spine.' First US-Ethiopia Orthopaedic Symposium. Addis Abeba, Ethiopia. December, 2006.

EDUCATIONAL COURSES

- 1 **Course Director**, 'Advances in Minimally Invasion Spine Surgery.' Ft. Lauderdale, FL. November 9-10, 2008.
2. **Director**, First Annual US-Ethiopia Spine Symposium. Addis Abeba, Ethiopia, December, 2006.

3. **Co-Director**, 'Hands-On Spine Review Course.'
Johns Hopkins Medical Institutions; Baltimore, MD. May 6-7, 2006.
4. **Faculty Lecturer**, Johns Hopkins Orthopaedic Review Course
Baltimore, MD 2004 - 2006.
5. **Faculty Lecturer**. Minimally Invasive Techniques in Spinal Surgery.
Phoenix, Arizona, October, 2006.
6. **Co-Director** Hands-On Spine Review Course'; Johns Hopkins Medical Institutions;
Baltimore, MD. March 31-April 1, 2007
7. **Co-Director**, Spine Section: Johns Hopkins Orthopaedic Surgery In-Training
Examination Review Course. 2004-Present.

PRESENTATIONS AT LOCAL MEETINGS AND CONFERENCES

1. **Lemma, M.**, Post-operative Complications In Spinal Surgery. Orthopaedic Nursing In-
Training Course. April 12, 2007 and August 22, 2006.
2. **Lemma, M.** Khanna, AJ. 'Kyphoplasty Procedure in a Patient with Multiple Myeloma'.
Live Web-cast. September, 2005. www.OR-Live.com
3. **Lemma, M.**, 'Thoracolumbar Degenerative Disease.'. Johns Hopkins Orthopaedic
Review Course. Baltimore, MD 2004 -2006.
4. **Lemma, M.**, 'Thoracolumbar Trauma'. Johns Hopkins Orthopaedic Review Course.
Baltimore, MD 2004 -2006.
5. **Lemma, M.**, 'Anterior Fixation of Dens Fractures.' Hands-On Spine Review Course;
Johns Hopkins Medical Institutions; Baltimore, MD. May 6-7, 2006.
6. **Lemma, M.**, 'Anterior Lumbar Fusion.' Hands-On Spine Review Course; Johns
Hopkins Medical Institutions; Baltimore, MD. May 6-7, 2006.
7. **Lemma, M.**, 'C1-2 Arthrodesis'. Hands-On Spine Review Course; Johns Hopkins
Medical Institutions; Baltimore, MD. May 6-7, 2006.
8. **Lemma, M.**, 'Posterior Subaxial Arthrodesis.' Hands-On Spine Review Course; Johns
Hopkins Medical Institutions; Baltimore, MD. May 6-7, 2006.
9. **Lemma, M.**, 'Endoscopic Discectomy and Interbody Fusion.' Minimally Invasive
Techniques in Spinal Surgery. Phoenix, Arizona, October, 2006

- 10. Lemma M.,** 'MRI Interpretation of the Lumber Spine.' Grand Rounds Presentation. Department of Rheumatology, Good Samaritan Hospital. August 10, 2007.
- 11. Lemma, M.,** 'Case Presentation: Minimally Invasive Decompression and Fusion in an Obese Patient.' Advances in Minimally Invasion Spine Surgery. Ft. Lauderdale, FL. November 9-10, 2008.