

# **CURRICULUM VITAE**

**LAWRENCE G. JANKOWSKI, CBDT**

## **OFFICE:**

Illinois Bone and Joint Institute, LLC  
The Center for Arthritis and Osteoporosis  
9000 N. Waukegan Rd. Suite 200  
Morton Grove, IL 60053

## **RESIDENCE:**



## **PROFESSIONAL CERTIFICATIONS:**

International Society for Clinical Densitometry CBDT #10915 (Since 2010)

State of Illinois, Nuclear Medicine Technology #500495299 (Inactive)

State of Illinois, Limited Radiology #500495299

American Registry of Radiologic Technologists #144798 N (Inactive)

Nuclear Medicine Technology Certification Board #005246 (Inactive)

International Society for Clinical Densitometry (CDT) 1996-2010

## **EDUCATION AND EXPERIENCE:**

- 2014 - Present Volunteer Moderator for National Osteoporosis/Inspire Support Group
- 1999 - Present: Chief DXA Technologist, Research Study Coordinator  
The Center for Arthritis and Osteoporosis at  
Illinois Bone and Joint Institute, Ltd, Morton Grove, Illinois.
- 1998 - Present: Instructor, ISCD/IOF Technologist Osteoporosis Essentials for Technologists,  
and Osteoporosis Essentials for Clinicians courses.
- 1989 - 1999: Chief DXA Imaging Technologist  
Osteoporosis Center, Advocate Medical Group, S.C., Chicago, Illinois
- 1986 - 1989: Staff Nuclear Medicine Technologist  
Northwest Community Hospital Center, Arlington Heights, Illinois
- 1981 - 1986 Staff Nuclear Medicine/Radioimmunoassay Technologist  
St. Mary of Nazareth Hospital Center, Chicago, Illinois
- 1978 - 1981: Senior Staff Nuclear Medicine Technologist/Radioimmunoassay Technologist  
Central Community Hospital, Chicago, Illinois
- 1976 - 1978: Student Training: Triton College - School of Nuclear Medicine Technology  
River Grove, Illinois  
Clinical Rotations: Michael Reese Hospital, Chicago, Illinois  
University of Illinois Medical Center, Chicago, Illinois  
Loyola University Medical Center, Maywood, Illinois  
Children's Memorial Hospital, Chicago, Illinois
- Degree: A.S. Nuclear Medicine

## **PROFESSIONAL MEMBERSHIPS:**

- American Society for Bone and Mineral Research  
International Society for Clinical Densitometry

## **ELECTED POSITIONS AND APPOINTMENTS HELD:**

- Expert Panelist – Sixth ISCD Position Development Conference (Adult) Non-BMD DXA  
Fracture Prediction Tools, Central QCT measures of fracture risk, opportunistic screening and  
Finite Element Analysis (FEA), Orlando Florida, February 2015
- Editor – ISCD “Case of the Month” Website. 2014 - present.
- Body Composition Technical Standards Task Force – Fifth ISCD Position Development  
Conference (Adult) Tampa, Florida, March 2013

ISCD Facility Accreditation Councilor, 2011 - Present

Treasurer - International Society for Clinical Densitometry 2009-2012, & 1999-2002

Expert Panelist – Fourth ISCD Position Development Conference, Lansdowne, Virginia, July 2007

Board of Directors – International Society for Clinical Densitometry 2008-2012 & 1996-1999

Expert Panelist – Third ISCD Position Development Conference, Vancouver, British Columbia Canada, July 2005.

Editorial Board – Journal of Clinical Densitometry, 2002-Present.

Editor – SCAN, Official ISCD Newsletter, 2003-2007

Scientific Advisory Committee – International Society for Clinical Densitometry, 2002-2009

#### **AWARDS AND RECOGNITIONS:**

Paul D. Miller ISCD Service Award - 2015

Sydney Bonnick ISCD Award for Excellence in Densitometry – 2014

Technologist Instructor of the Year, Presented by the International Society for Clinical Densitometry 2005, 2007, 2011

Young Investigators Award, Presented by the International Society for Clinical Densitometry at the Ninth Annual Scientific Meeting, January 30, 2004. (Sponsored by an unrestricted educational grant from Wyeth Ayrest Pharmaceuticals)

#### **PUBLICATIONS:**

Lewiecki EM, Binkley N, Morgan SL, Shuhart CR, Muzzi Camargos B, Carey JJ, Gordon, CM, Jankowski LG, Lee JK, Leslie, WD. Best Practices for Dual-Energy Absorptiometry Measurement and Reporting: International Society for Clinical Desitometry Guidance. *J Clin Densitom.* Vol 19, No 2, 127-140, 2016

Prater GL, Jankowski LG, Peace F, Nunnally N, Burroughs L, Morgan SL The Effect of Extending Femur Scan Length on BMD Results on the Hologic Discovery-W Scanner. *J Clin Densitom.* 2013 Oct 29.

Lewiecki EM, Bilezikian JP, Jankowski LG, McCloskey EV, Miller PD, Morgan SL, Orwoll ES, Potts JT Jr. Proceedings of the 2011 Santa Fe Bone Symposium. *J Clin Densitom.* 2012 Jan-Mar;15(1):1-20.

Khan AA, Colquhoun A, Hanley DA, Jankowski LG, Josse RG, Kendler DL, Lentle B, Leslie WD, Lewiecki EM, O'Neill E, Robertson S, Syed ZA, Tanner SB, Webster D. Standards and guidelines for technologists performing central dual-energy X-ray absorptiometry. *J Clin Densitom.* 2007 Apr-Jun;10(2):189-95.

Hans D, Downs RW, Duboef F, Greenspan S, Jankowski LG, Kiebzak GM, Petak SM. Skeletal Sites for Osteoporosis Diagnosis: The 2005 ISCD Official Positions. *J. Clin Densitom* 9(1):15- 21.

Jankowski LG, Photo essay: Common Pitfalls in DXA Scanning. *Osteoporosis Today* (2004), 3, 4. Adelphi Inc. NY.

Miller PD, Njeh C, Jankowski LG, et al. What Are The Standards By Which Bone Mass Measurements At Peripheral Skeletal Sites Should Be Used In The Diagnosis Of Osteoporosis? *J. Clin Densitom* 5 (Suppl): S39-S45.

Jankowski, LG, O'Brien-Schmack E, Broy, SB., Panniculus Adiposus – An Unpredictable and Often Unrecognized Source Of Precision And Accuracy Errors On DXA Scans Of The Proximal Femur. *J. Clin Densitom* 5 (Suppl):S57

## **POSTERS:**

Jankowski, LG, Kothari, AK, Replacing a Discovery-A with a Horizon-A: Cross-Calibration, Inter-Machine and Intra-Machine Precision. (Presented as Oral Abstract); ISCD Annual Meeting, Galway, Ireland. June 2016

Jankowski, LG, Kothari, AK, Myers, AK. Long-Term Stability of the Hologic Horizon-A Bone Densitometer. ISCD 21<sup>th</sup> Annual Scientific Meeting, Chicago, Illinois, February 2015.

Jankowski, LG, Wilson, KE, Kelly TL, Myers, AK. In Vivo Concordance Between Horizon and Discovery. ISCD 20<sup>th</sup> Annual Scientific Meeting, Orlando, Florida, February 2014

Myers, AK, Jankowski LG, Visualization of Atypical Femur Fractures Using a Bone Densitometer in Single Energy Vertebral Fracture Assessment Mode. *International Society for Clinical Densitometry 18<sup>th</sup> Annual Scientific Meeting*, Los Angeles, March

2012

Jankowski LG, Broy SB, Rapid Inspection of Lead Aprons Using a Fan-beam Bone Densitometer: Verification of System Sensitivity to Detect Shielding Defects *International Society for Clinical Densitometry Fourteenth Annual Scientific Meeting*, San Fransisco, CA. March, 2008

Jankowski LG, Costello, MA, Broy SB, Quantifying Image Quality of DXA Scanners Performing Vertebral Fracture Assessment Using Radiographic Phantoms. *International Society for Clinical Densitometry Twelfth Annual Scientific Meeting*, San Diego, California, 2006.

Jankowski LG, Costello, MA, Broy SB, Radiographic Quality Assurance Testing of Dual X-ray Absorptiometry Devices Performing Vertebral Fracture Assessment. *Sixth International Symposium on Osteoporosis: Current Status and Future Directions*, National Osteoporosis Foundation, Washington D.C. 2005.

Jankowski LG, Broy SB, Image Resolution of Bone Densitometers Performing Vertebral Fracture Assessment. *International Society for Clinical Densitometry Eleventh Annual Meeting*, New Orleans, LA, February 2005.

Jankowski LG, Fox D, Landis D, et al. Image Resolution Comparison of GE-Lunar and Hologic Fan-Beam Bone Densitometers. *International Society for Clinical Densitometry Tenth Annual Meeting*, Miami, Florida 2004.

Jankowski LG, Fox D, Landis D, et al. The Effect of Varying Bone Height on Bone Mineral Density Measurements with Fan-Beam Densitometers. *International Society for Clinical Densitometry Tenth Annual Meeting*, Miami, Florida 2004.

Broy SB, Jankowski LG, Performance Evaluation of a New DXA System: The Lunar Bravo. *American Society for Bone and Mineral Research 25<sup>th</sup> Annual Meeting*, Minneapolis, Minnesota, 2003.

Jankowski LG, O'Brien-Schmack E, Broy, SB, What Is The Magnitude Of Precision Error At The PA Spine By Central DXA When Discontiguous Vertebral Bodies Are Selected? *International Society for Clinical Densitometry Ninth Annual Meeting*, Los Angeles, California, 2003.

Jankowski LG, O'Brien-Schmack E, Broy, SB Contribution of Operator Dependent Analysis to Precision of Dual Energy X-ray Absorptiometry: Can Automated Analysis Improve Overall Precision? *International Society for Clinical Densitometry Ninth Annual Meeting*, Los Angeles, California, 2003.

Jankowski LG, Broy SB, A Modified Positioning, Acquisition, and Analysis Model Improves Precision Of Dual-Energy X-Ray Absorptiometry At The Proximal Femur *International Society for Clinical Densitometry Seventh Annual Scientific Meeting*, Rio de Janeiro, Brazil 2001.

Jankowski LG, Broy SB, O'Brien Schmack E, Effect of Region of Interest Placement on Bone Mineral Density Determination at the Total Hip. *International Society for Clinical Densitometry Sixth Annual Scientific Meeting*, New Orleans, Louisiana 2000.

Broy SB, Jankowski LG, Discordance of PA and Supine Lateral DXA Measurements of the Lumbar Spine in a Clinical Practice. *International Society for Clinical Densitometry Fifth Annual Scientific Meeting*, Orlando, Florida 1999

Jankowski LG, Broy SB Comparison of a Dedicated Fan-beam and Dedicated Pencil Beam Bone Densitometer in a Clinical Practice. *International Society for Clinical Densitometry Second Annual Scientific Meeting*, Colorado Springs, Colorado. 1996.

Broy SB, Abramson E, Jankowski LG, et al. Comprehensive Osteoporosis Prevention and Education: Educational, physical and psychosocial outcome. *American College of Rheumatology Annual Scientific Meeting* 1994.

#### **INVITED LECTURES:**

Phantoms, Positioning and Precision: Instrument and Operator Quality Assurance. Presented by Lawrence G Jankowski CBDT and JoAnn Caudill, CBDT. *International Society for Clinical Densitometry 22nd Annual Scientific Meeting*. Galway Ireland, June 2016

What's Wrong with This DXA? Presented by Lawrence G. Jankowski, CBDT and Bradford Richmond, MD, CCD. *International Society for Clinical Densitometry 22nd Annual Scientific Meeting*. Galway Ireland, June 2016

Advanced Hologic Densitometry Workshop, Co-presented by Sarah Morgan, MD, CCD and Lawrence Jankowski, CBDT. *International Society for Clinical Densitometry 22nd Annual Scientific Meeting*. Galway Ireland, June 2016

Phantoms, Positioning and Precision: Instrument and Operator Quality Assurance. *International Society for Clinical Densitometry 21st Annual Scientific Meeting*. Chicago, IL. February 2015.

Bone Mineral Density (DXA) Fundamentals – Concepts and Skills: A One Day Seminar, St-Lukes Hospital, Chesterton, Missouri, August 22, 2014.

Vertebral Fracture Assessment by DXA, Technical Acquisition and Analysis. *International Society for Clinical Densitometry Twentieth Annual Scientific Meeting*. Orlando, FL. February 2014.

Technical Considerations when Using Bone Densitometry Reporting Software. *International Society for Clinical Densitometry Nineteenth Annual Scientific Meeting*. Tampa, Florida. March 2013

Introduction to Vertebral Fracture Assessment and Body Composition Analysis. *12<sup>th</sup> Symposium Presented by The Michigan Consortium For Osteoporosis*. Troy, Michigan. October, 2012.

How Technologists Influence Patient Management: What Physicians Need to Know. *International Society for Clinical Densitometry Eighteenth Annual Scientific Meeting*. Los Angeles, California. March, 2012

Advanced Bone Densitometry Workshop. *Santa Fe Bone Symposium*. Santa Fe, New Mexico, August, 2011.

Technical Quality Issues in DXA. A joint presentation with E. Michael Lewiecki, MD, FACP, FACE. *International Society for Clinical Densitometry Seventeenth Annual Scientific Meeting*. Miami, Florida. April, 2011

Advances in Bone Densitometry for Clinicians. *11<sup>th</sup> Symposium Presented by The Michigan Consortium For Osteoporosis*. Troy, Michigan. April, 2011.

FRAX for technologists, where do we stand? *Michigan Consortium on Osteoporosis*, Troy, Michigan. November, 2009.

What's the Real T-score? *Michigan Consortium on Osteoporosis*, Troy, Michigan. November, 2009.

Methods to standardize bone densitometry between technologists and facilities. *Michigan Consortium on Osteoporosis*, Troy, Michigan. November, 2009.

Advanced Hologic Software Features: How can your software help you? *International Society for Clinical Densitometry Fifteenth Annual Scientific Meeting*, Orlando, Florida, March 2009.

Image Quality in Bone Densitometry, *Michigan Consortium on Osteoporosis*, Troy, Michigan. October, 2008.

Building a Better Mousetrap, Pitfalls of DXA Software Automation, *Western Slope Osteoporosis Symposium*, Gateway, Colorado. October, 2008.

DXA Imaging : Image is Everything Except for Diagnosis. *Michigan Consortium on Osteoporosis*, Troy, Michigan. November, 2007.

Clinical Relevance of Advanced Software Features; Are All the Bells and Whistles Helpful? *International Society for Clinical Densitometry Thirteenth Annual Scientific Meeting*, Tampa, Florida, March 2007.

Quality Assurance in Bone Densitometry and Technologist Workshop, *Michigan Consortium on Osteoporosis*, Troy, Michigan. October, 2006

Hologic Imaging: Current Techniques for Proper Imaging, *International Society for Clinical Densitometry Twelfth Annual Scientific Meeting*, San Diego, California, February, 2006.

Quality Assurance in Bone Densitometry, and Considerations for Upgrading Equipment, *Western Slope Osteoporosis Symposium*, Telluride Colorado. October, 2005.

Quality Assurance in Bone Densitometry and Technologist Problem Solving Workshop, *Michigan Consortium on Osteoporosis*, Detroit, Michigan. October, 2005.

Discovering Humor in Bone Densitometry, *International Society for Clinical Densitometry Eleventh Annual Meeting*, New Orleans, LA, February 2005

Technical Challenges in Bone Densitometry, *International Society for Clinical Densitometry Eleventh Annual Meeting*, New Orleans, LA, February 2005.

Pitfalls in Bone Densitometry, *International Society for Clinical Densitometry Ninth Annual Scientific Meeting*, Miami, Florida, 2004.

Understanding Electronic Spreadsheets for Technologists, *International Society for Clinical Densitometry Ninth Annual Scientific Meeting*, Miami, Florida, 2004.

Upgrading DXA Scanners – What to Expect, *International Society for Clinical Densitometry Ninth Annual Scientific Meeting*, Miami, Florida, 2004.

What You Should Know About Bone Densitometry, *The Chicago Medical Society Annual Meeting*, Chicago, Illinois, 2003.

Team DXA: An Integrated Approach to Quality in Densitometry, *International Society for Clinical Densitometry Eighth Annual Meeting*, Los Angeles, California, 2003.

It's Not Just a T-score – Bone Densitometry in Clinical Practice, *Illinois Department of Public Health Fourth Annual Conference on Women's Health*, Rosemont, Illinois 2002.

Interpretation of Bone Densitometry – A Technologist's Perspective, *International Society for Clinical Densitometry Seventh Annual Scientific Meeting*, Dallas, Texas. 2002.

Invited member of expert panel, *International Society for Clinical Densitometry Position Development Conference*, Denver, Colorado, USA, July 2001.

The Changing Role of Bone Densitometry in Orthopaedics. *International Society for Clinical Densitometry Sixth Annual Scientific Meeting*, Rio de Janeiro, Brazil 2001.

Computer Fundamentals for DXA Technologists. *Indiana University School of Medicine Osteoporosis Symposium*, Indianapolis, Indiana 1999.

The Role of Densitometry: Science and Clinical Utility. *International Society for Clinical Densitometry Fifth Annual Scientific Meeting*, New Orleans, Louisiana 1999.



Understanding DOS and Other Uses of Your DXA Scanner PC. *International Society for Clinical Densitometry Fourth Annual Meeting*, Orlando, Florida. January, 1998.

Hologic Users Workshop. *Illinois Symposium on Bone Mass Measurement*, Chicago, Illinois. June, 1997.

Illinois Osteoporosis Initiative, *Illinois Department of Public Health*, Chicago, Rockford, Springfield, Illinois. June thru September, 1997.

Using a PC to Organize Your DXA Lab. *Third Annual Scientific Meeting of the International Society for Clinical Densitometry*, San Diego, California. January, 1997.

Hologic Users Workshop. *Illinois Symposium on Bone Mass Measurement*. Navy Pier, Chicago Illinois. July 1996.

*Osteoporosis Update*, Illinois Department of Public Health, Chicago, Springfield, Mt. Vernon Illinois. June 1996.