Lisa Ceglia, M.D.
Dr. Gerald J. and Dorothy R. Friedman Fellow in Diabetes and Metabolism
2004 - 2006

Education

Dr. Ceglia received her B.A. *cum laude* from Harvard University in 1993 and her M.D. from New York University School of Medicine (New York, NY). She completed her Internal Medicine Residency at New York University Medical Center-Bellevue (New York, NY). After completing her research track Fellowship in Endocrinology at Tufts Medical Center (Boston, MA), Dr. Ceglia pursued further training in Clinical Nutrition at the Jean Mayer USDA Human Nutrition Research Center on Aging (HNRCA) at Tufts University (Boston, MA), which she completed in June 2009. In July 2011, Dr. Ceglia completed a 2-year Master's in Clinical and Translational Science at the Tufts University Sackler School of Graduate Biomedical Sciences (Boston, MA). She is Diplomate of the American Board of Internal Medicine and Subspecialty Board of Endocrinology and Metabolism. She is also a Certified Clinical Densitometrist and is certified in performing muscle biopsies.

Former and Current Position(s) and Academic Interests

In 2008, Dr. Ceglia joined the staff in the Division of Endocrinology at Tufts Medical Center. In July 2009, she was appointed Assistant Professor of Medicine at Tufts University School of Medicine (Boston, MA). Since April 2010, she is a Scientist II at the in the Bone Metabolism Laboratory at the HNRCA. Dr. Ceglia has been active in clinical care as the Director of the Metabolic Bone Diseases Clinic at Tufts Medical Center.

Over the last several years, she has conducted clinical and translational research in the Bone Metabolism Laboratory at the HNRCA. Her research focuses on the role of nutrition on the aging musculoskeletal system. She has conducted several research projects in the area of calcium and acid-base balance and their impact on bone and muscle health. She has also worked on a pilot study to examine the effects of vitamin D supplementation on skeletal muscle fiber size in older women with vitamin D insufficiency. As part of her recent Master's thesis, she completed a study in rodents exploring the mechanisms by which the acid/base balance and vitamin D status may affect the muscle mass and intermediate biomarkers of muscle metabolism.

Dr. Ceglia received a 2-year Career Development Award in 2008 from the Boston Claude Pepper Center

and a KL2 Career Development Award in 2009 from the Tufts Clinical and Translational Institute.

Dr. Ceglia contributes to the education of medical students as a lecturer in the MedFoundations II Core Pathology and From Health to Disease III Endocrinology section at the Tufts University School of Medicine. She is also a lecturer at the Friedman School graduate students in the Micronutrients course at the Friedman School of Nutrition and Policy at Tufts University, Boston, MA. She also gives lectures to the Pharmacology and Experimental Therapeutics students at the Tufts Sackler School of Graduate Biomedical Sciences.

Dr. Ceglia has been a peer-reviewer for several medical journals, and an active member of various professional societies including The Endocrine Society and the American Society for Bone and Mineral Research.

Honors & Awards

- 2001 Humanism in Medicine Award
- 2008 Research Career Development Core Award, Boston Claude A. Pepper Center
- 2009 KL2 Tufts CTSI Research Career Development Award

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Manuscripts under review

14. **Ceglia L,** Niramitmahapanya S, Price LL, Liu BC, Harris SS, Dawson-Hughes B. A method to determine muscle fiber cross-sectional area and fiber number in skeletal muscle of older rats. Submitted to *Muscle Nerve*

15. **Ceglia L**, Liu BC, Rivas DA, Price LL, Harris SS, Smith D, Kent DM, Fielding RA, Dawson-Hughes B. Effects of alkali supplementation and vitamin D insufficiency on skeletal muscle in older rats. Submitted to *Am J Physiol - Reg, Integrative, Comp Physiol*

Book Chapter

RU Simpson and **Ceglia L**. Vitamin D and Skeletal Muscle Function. In *Vitamin D*, 3rd Ed., eds. Felman D, Pike JW, Adams JS. Elsevier Press, 2011.

Abstracts

1. **Ceglia L**. Case of Vitamin D Deficiency Treated with Sun Lamp Therapy. *EndoTrends* 2006; 13(3):5.

2. **Ceglia L**, Harris SS, Rasmussen HM, Dawson-Hughes B. Activation on the calcium sensing receptor with cinacalcet increases serum gastrin levels in healthy older subjects. *J Bone Miner Res* 2007; 22S1: S175.

3. Dawson-Hughes B, Harris SS, **Ceglia L**. A More Alkaline Diet May Enhance the Favorable Impact of Dietary Protein on Lean Tissue Mass in Older Adults. *J Bone Miner Res* 2007; 22S1: S464.

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