

NICHOLAS A. BONTEMPO, M.D.

- EDUCATION:** **Brown University – Department of Orthopaedic Surgery**, Providence, RI
(August 2012 – July 2013)
Orthopaedic Hand Surgery Fellowship
- University of Connecticut - Department of Orthopaedic Surgery**, Farmington, CT
(June 2008 – June 2012)
Orthopaedic Surgery Residency
- Yale New Haven Hospital – Department of Orthopaedic Surgery**, New Haven, CT
(April 2011 – June 2011)
Musculoskeletal Oncology
- Connecticut Children’s Medical Center - Department of Orthopaedic Surgery**,
Hartford, CT
(October 2009 – June 2010)
Pediatric Orthopaedic Surgery
- University of Connecticut - Department of General Surgery**, Farmington, CT
(July 2007 – June 2008)
Internship General Surgery
- University of Medicine and Dentistry – New Jersey Medical School**, Newark, NJ
(August 2003 – May 2007)
Doctorate of Medicine degree
- The College of New Jersey**, Ewing, NJ
(August 1999 – May 2003)
Graduated Magna Cum Laude with a Bachelor of Science degree in Biology; minors
in Chemistry and Psychology.
- PUBLICATIONS:** Sylvia Ounpuu MSc, Kathy Bell MS, Nicholas A. Bontempo MD, Jeffrey Thomson MD.
*The Impact of Tibial Torsion and AFO’s on Transverse Plane Knee Motion in Children
with Lumbosacral Myelomenigocele.* Submitted: Clin Orthop Relat Res.
- Bontempo NA, Mazzocca AD. *Biomechanics and treatment of acromioclavicular and
sternoclavicular joint injuries.* Br J Sports Med. 2010 Apr;44(5):361-9.
- O'Connor JP, Capo JT, Tan V, Cottrell JA, Manigrasso MB, Bontempo N, Parsons JR. *A
comparison of the effects of ibuprofen and rofecoxib on rabbit fibula osteotomy healing.*
Acta Orthop. 2009 Oct;80(5):597-605
- BOOK CHAPTERS:**
- Bontempo NA, Virk MS, Axler S, Mazzocca AD: Shoulder, in Browner BD, Fuller R
(eds): *Musculoskeletal Emergencies*, ed 1. Philadelphia, PA, Elsevier, 2013.
- Bontempo NA, Virk MS, Cummings M, Mazzocca AD. Elbow and Distal Humerus, in
Browner BD, Fuller R (eds): *Musculoskeletal Emergencies*, ed 1. Philadelphia, PA,
Elsevier, 2013
- Bontempo NA, Mazzocca AD. AC, SC, and Clavicle Injuries, in ACSM

Bontempo NA, Trojian TH, Rodner CM: Finger Fractures: Bennett's Fracture, Boxer's Fracture, in Micheli LJ (ed): *Encyclopedia of Sports Medicine*, ed 1. Thousand Oaks, CA, Sage Publications, Inc, 2010.

PRESENTATIONS:

Bontempo NA, Moyle, KJ, Akelman E. Dupuytren's Disease: An Analysis of Internet Information. Presented at the 40th Annual Meeting of the New England Hand Society, Sturbridge, Massachusetts. December 7, 2012.

Bontempo NA, Leger R, Mostofi A, Lawlor B, Akelman E, Rodner CM. Thumb Basilar Joint Arthroplasty with LRTI: A Clinical Comparison Between Half versus Whole Flexor Carpi Radialis Grafts. Presented at the 39th Annual Meeting of the New England Hand Society, Sturbridge, Massachusetts. December 2, 2011.

Aronow MS, Bontempo Na, Purcell D, Ritting A, Boyle J, Stephens K, Obopilwe E: Anatomy of the Medial Cuneiform (MC) Articulation with the Intermediate Cuneiform (IC) and Second Metatarsal (MT2): Implications for Lisfranc Injury Treatment. E-Poster, American Orthopaedic Foot and Ankle Society 25th Annual Summer Meeting, Vancouver, Canada. July 16-18, 2009.

Aronow MS, Bontempo N, Purcell D, Ritting A, Boyle J, Stephens K, Obopilwe E. Anatomy of the Medial Cuneiform (MC) Articulation with the Intermediate Cuneiform (IC) and Second Metatarsal (MT2): Implications for Lisfranc Injury Treatment. Presented at the 3rd Joint Meeting of International Federation of Foot and Ankle Societies, Costo do Sauipe, Brazil. September 19, 2008.

ELECTRONIC MEDIA:

Bontempo NA, Wolf JM. Thumb Polydactyly. *Orthopedics Hyperguide*. 2011.
http://www.ortho.hyperguides.com/index.php?option=com_content&view=article&id=2144:thumb-polydactyly&catid=394:general&Itemid=67

Bontempo NA, Wolf JM. Proximal Interphalangeal Joint Dislocations. *Orthopedics Hyperguide*. 2011.
http://www.ortho.hyperguides.com/index.php?option=com_content&view=article&id=1929:proximal-interphalangeal-joint-dislocations&catid=394:general&Itemid=67

RESEARCH:

University of Connecticut - Department of Orthopaedic Surgery, Farmington, CT
(May 2008 – June 2012)
Full versus Half Flexor Carpi Radialis Harvesting in CMC Arthroplasty and Ligament Reconstruction Tendon Interposition

University of Medicine and Dentistry – New Jersey Medical School, Newark, NJ
(June 2004 – March 2005)
Effects of Ibuprofen and Rofecoxib on Tendon and Bone Healing in Rabbits
Conducted research with J. Patrick O'Connor, PhD, Department of Orthopaedics, to examine and compare the effects of Ibuprofen and Rofecoxib on tendon and bone healing in rabbits. Skills learned include performing fibular osteotomy and flexor tendon repair on rabbits, medicine dosing, serial blood collections, serum drug level assays, specimen retrieval, slide production including sectioning, mounting, and staining of specimens, histomorphometry using Image Pro Plus, and statistical analysis using SPSS software.

University of Medicine and Dentistry – New Jersey Medical School, Newark, NJ
 (June 2004 – August 2004)
Quantification of Induced Osteogenesis in COX-1 Homozygous and COX-2 Heterozygous Knockout Mice

Conducted research with J. Patrick O'Connor, PhD, Department of Orthopaedics, to compare the osteogenic capability of BMP-2 in COX-1 homozygous and COX-2 heterozygous knockout mice. Skills learned include subcutaneous injection in mice, specimen retrieval, slide production including sectioning, mounting, and staining of specimens, histomorphometry using Image Pro Plus, and statistical analysis using SPSS software.

University of Medicine and Dentistry – New Jersey Medical School, Newark, NJ
 (May 2003 – August 2003)

Angiogenesis Induction and Purification of Bone Morphogenic Protein 2 (BMP-2)
 Conducted research with J. Patrick O'Connor, PhD, Department of Orthopaedics, to process and purify BMP-2, as well as assessing the angiogenic capability of the purified compound through subcutaneous injection in mice. Skills learned include column separation, polymerase chain reaction, slide production including sectioning, mounting, and staining of specimens, histomorphometry using Image Pro Plus, and statistical analysis using SPSS software.

Bristol-Myers Squibb – Osteoporosis Research, Pennington, NJ
 (May 2002 – April 2003)

Evaluation of Bone Biomarker Assays in an Ovariectomized Rat Model
 Conducted research with Jean H.M. Feyen, PhD and Joseph Tamasi, Osteofrailty Department, to evaluate the efficacy of several bone biomarker assays as early predictive markers of bone changes in ovariectomized rats treated with estrogen or parathyroid hormone. Laboratory skills learned include performing a bilateral ovariectomy surgery in rats, daily subcutaneous dosing of medication, carrying out ELISA and spectrum analysis assays, blood drawing, performing dual energy x-ray absorptiometry, peripheral quantitative computed tomography and micro-computed tomography, slide production including sectioning, mounting, and staining of specimens, and statistical analysis using SPSS software.

HONORS / AWARDS

UConn Orthopedic Residency Cavazos Award	(June 2012)
Connecticut Orthopedic Society Research Award	(May 2012)
Courtland G. Lewis Founders Award / GHOERF	(May 2011)
Departmental Honors in Biology	(2003)
The College of New Jersey Honors Program	(1999 – 2003)
Who's Who Among America's Colleges and Universities	(2003)
Beta Beta Beta Biological Honors Society	(1999 – 2003)
The College of New Jersey Dean's List	(1999 – 2003)

ACTIVITIES:

Candidate member of ASSH	(October 2011 – Present)
Resident Representative GHOERF	(May 2010 - June 2012)
American Academy of Orthopaedic Surgeons, Member	(2007-Present)
Benjamin Rush Surgical Society, Treasurer	(2003 – 2007)
American Medical Students Association, Member	(2003 – 2007)
American Medical Association, Member	(2003 – Present)
Student Family Health Care Center, NJ Medical School	(2003 – 2007)
Peer Support Mentor	(2004 – 2007)
White Coat Ceremony Organization Committee	(2004)
First Year Orientation Committee	(2004)
Mini-Med School, Group Leader	(2004)

Tour Guide Coordinator, Leader

(2003 – 2004)

**INTERESTS/
HOBBIES**

Collecting and playing vintage drums, percussion and other musical instruments

Building and designing drums

Machine work and metal fabrication

Repairing and building muscle cars from the 1960's and 1970's