

Thomas T. Dovan, MD

Orthopedic Surgery of the Hand and Upper Extremity



Dr. Thomas Dovan attended medical school at Emory University in Atlanta, Georgia, where he was inducted into the AOA Honor Medical Society. He completed his residency at Vanderbilt University and his fellowship in surgery of the hand, wrist, elbow and shoulder at the prestigious Washington University School of Medicine in St. Louis, Missouri.

Dr. Dovan is currently a team physician for Lipscomb Academy and Lipscomb University. He has also consulted in the care of many professional athletes including NFL and NHL players.

He is board certified by the American Board of Orthopaedic Surgeons, is a member of the American Academy of Orthopaedic Surgeons and the American Society for Surgery of the Hand, and has received his Certificate of Added Qualifications in Surgery of the Hand.

SPECIALTIES

- Sports-related injuries to the hand, wrist, elbow and shoulder
- Arthroscopic shoulder surgery (including rotator cuff repairs and instability)
- Carpal tunnel syndrome
- Dupuytren's Contracture
- Nerve compression syndromes
- Arthritis (hand, wrist, elbow and shoulder)
- Tendon and nerve injuries
- Fractures of the hand, wrist and elbow
- Trigger fingers
- Ganglion cysts
- Nerve compression syndromes
- Work-related injuries

EDUCATION

Washington University Medical Center, St. Louis, Missouri (8/02-7/03).

Fellowship: Hand, Shoulder, and Upper Extremity Surgery

Vanderbilt University Medical Center, Nashville, Tennessee (7/97-7/02).

Internship, General Surgery, 7/97-6/98

Residency, Orthopaedic Surgery, 7/98-6/02

Administrative Chief Resident, 7/01-6/02

Emory University School of Medicine, Atlanta, Georgia (7/93-5/97).

Alpha Omega Alpha (National medical honor society) member

Medical School Offices

Class Officer: Treasurer, 1993-94

Rutgers University, Newark, New Jersey (9/91-5/92).

Post-baccalaureate pre-medical studies.

New Jersey Institute of Technology, Newark, New Jersey (9/85-5/90). Bachelor of Science in Electrical Engineering, 1990.

EMPLOYMENT

2007-Present Elite Sports Medicine + Orthopedics

8/2003- 5/2007 Rome Orthopaedic Clinic (Rome, GA)

VOLUNTEER EXPERIENCE

8/1995-5/1996 Students for Community Involvement (SCI)

Member/Volunteer Teacher

7/1997-5/1997 Medical College of Georgia

Sophomore Advisor

7/1997-6/1998 Clinical Mentorship Program (MCG)

Clinical Mentor

MEMBERSHIPS

American Academy of Orthopaedic Surgery

American Society for Surgery of the Hand

Vanderbilt Medical Alumni Board

Vanderbilt Orthopaedic Society: Vice President

COMMITTEES

Prospective Clinical Trials Committee, American Society for Surgery of the Hand (2005-present)

Program Committee, 2007 Annual meeting, American Society for Surgery of the Hand

CERTIFICATION

Board Certified by the American Board of Orthopaedic Surgery
Certification of Added Qualifications in Surgery of the Hand

HONORS / AWARDS

Undergraduate Honors:

Tau Beta Pi (National Engineering Honor Society)

Corresponding Secretary

Omicron Delta Kappa (National Leadership Honor Society)

Phi Eta Sigma (National Freshman Honor Society)

Scholar Athlete Honor Roll Dean's List

Undergraduate Offices:

Varsity Ski Team: Captain

Tau Lambda Chi Fraternity

Treasurer. Interfraternity Council: Representative

VOLUNTEER ACTIVITIES

2001,2002 Music City Marathon: Medical volunteer – team captain

2000, 1998 Bell South Senior Classic, Opryland: Medical volunteer/organizer

1996 Olympic Games: Medical volunteer

Habitat for Humanity, Atlanta, Georgia

Central Health Clinic, Atlanta, Georgia

Georgia Special Olympics

Mercy Mobile Health Care, Atlanta, Georgia

Emory Medical Students Teaching AIDS

PUBLICATIONS

Golfarb CA, Dovan TT. Rheumatoid arthritis:silicone metacarpophalangeal joint arthroplasty indications, technique, and outcomes. *Hand Clinics*. May;22(2):177-82:2006

Silva MJ, Thomopoulos S, Kusano N, Zaegel MA, Harwood FL, Matsuzaki H, Havlioglu N, Dovan TT, Amiel D, Gelberman RH. Early healing of flexor tendon insertion site injuries: Tunnel repair is mechanically and histologically inferior to surface repair in a canine model. *Journal of Orthopaedic Research*, Vol 24(5):990-1000:2006

Dovan TT, Ritty T, Ditsios K, Silva MJ, Kusano N, Gelberman RH: Flexor digitorum profundus tendon to bone tunnel repair. A vascularization and histologic study in canines. *Journal of Hand Surgery*, Vol 30(2), 246-257:2005

Dovan TT, Gelberman RH, Kusano N, Calcaterra M, Silva M: Zone I flexor digitorum profundus repair. An ex vivo biomechanical analysis of tendon to bone repair in cadavera. *Journal of Hand Surgery*, Vol 30(2), 258-266:2005

Holt GE, Halpern JL, Dovan TT, Hamming D, Schwartz HS: Evolution of an in vivo bioreactor. *Journal of Orthopaedic Research*, Vol 23(4):916-23:2004

Dovan TT, Gelberman RH, and Cooney WP. Carpal Instability. In: *Hand Surgery Update 3*; 2003 Editor: Trumble.

Dovan TT, Ditsios K, and Boyer MI: Eight-strand core suture technique for repair of intrasynovial flexor tendon lacerations. *Techniques in Hand and Upper Extremity Surgery*, June 2003.

Spindler KP, Dovan TT, McCarty EC: Assessment and management of the painful shoulder. *Clinical Cornerstone, Sports Medicine*, Vol 3(5), 26-34:2001.

Mangone P, Dovan TT, Seiler J: Fractures and dislocations of the elbow. In: Baratz M, Watson A, Imbriglia J, eds. *Orthopaedic Surgery the Essentials*, New York: Thieme, 1999: 327-47.

Dovan TT, Zimmerman MC, Bednarz P, Alexander N, Deehan M. Effects of pulsed electromagnetic fields on the foreign body response to particulate debris in a rabbit model. *Journal of Applied Biomaterials*, (4); 127-134:1993.

PRESENTATIONS

Bone Morphogenic Proteins from the lab to the operating room. Presented at the 2007 Vanderbilt Orthopaedic Society Annual Meeting.

Zone I flexor tendon repair. A vascular, histological, and biomechanical evaluation. Poster presentation at the 2004 meeting for the American Society for Surgery of the Hand, New York, New York.

Flexor digitorum profundus tendon to bone repair. Presented at the 2004 annual meeting of the Orthopaedic Research Society, San Francisco, California.

Vascularized fibular grafts for massive segmental bone loss in the forearm. Presented at the 2000 Annual Tennessee Orthopaedic Society meeting, Hot Springs, Virginia.

Prefabrication of a vascularized bone graft using hydroxyapatite coral. Presented at the 2001 Annual Southern Orthopaedic Society meeting, Coeur d'Alene, Idaho.

SELECTED WORK EXPERIENCE

Stanley Kaplan: MCAT Course Instructor (1/93-5/95)

Parker Hannifin Corporation, Compumotor Division (6/90-10/91).

Applications/Design engineer for industrial automation systems

New Jersey Institute of Technology, Ski Team: Assistant Coach (1991 and 1992).

New Jersey Institute of Technology, Ski Class Instructor (Winters of 1987, 1988, and 1989).

HOBBIES AND SPECIAL INTEREST

Golf, music, mountain biking, snow skiing, and woodworking