

RAHUL VINOD DESHMUKH, M.D.

ORTHOPEDIC TRAINING and DISTINCTIONS

Resident, Harvard Combined Orthopedic Surgery Program Boston, Massachusetts

July 1997 to June 2002 Rotations at Massachusetts General Hospital, Brigham and Women's Hospital, Children's Hospital, Beth Israel-Deaconess Hospital, Salem Medical Center, and West Roxbury VA; and Internship in General Surgery (MGH)

- * Knee Society Research Award Finalist, AAOS 2003
- * Senior Thesis presentation on "Modular Tibial Insert Exchange," May 2002 Combined Orthopedics Grand Rounds
- * Resident Coordinator responsible for establishing curriculum and recruiting faculty for weekly teaching conferences
- * Harvard Medical School Outstanding Resident Teaching Award nominee, 2000
- * AO Trauma Basic and Advanced Courses, November 2000 in Toronto, Canada and May 2001 in Ponte Vedra, Florida

Chief Resident/Trauma Fellow, Harvard /Brigham and Women's Hospital Boston, Massachusetts

July 2002 to December 2002 Selected as junior faculty to run the Orthopedic Trauma Service (performed over 260 operations in 6 months), run teaching rounds, organize weekly trauma conference, and serve as administrative head of residents at BWH.

- * Selected to travel to Ecuador with Harvard orthopedic team to perform reconstructive osteotomies in September 2002.

Sports Medicine Fellow, New England Baptist Hospital Boston, Massachusetts

February 2003 to July 2003 Clinical and research fellowship in sports medicine; performed over 300 shoulder and knee cases.

- * Assistant team physician for the Boston Celtics.
- * Research involved biomechanical testing on arthroscopic implants, cadaveric prosections for residents, and running arthroscopic conferences and demonstrations.

Otto E. Aufranc Fellow, New England Baptist Hospital Boston, Massachusetts

August 2003 to July 2004 Focused on Adult Reconstructive Surgery and refined techniques of minimally invasive surgery, surgical navigation, primary and revision arthroplasty of hips, knees, and shoulders; unicompartamental knee arthroplasty; hip arthroscopy, and periacetabular osteotomies. I performed nearly 700 operations in this second-busiest orthopedic center in the US. I presented at Grand Rounds, authored papers and on joint replacement, and taught daily in the operating room

EDUCATION HONORS AND AWARDS

Harvard Medical School 1993-1997 Boston, Massachusetts

Doctor of Medicine degree conferred in June, 1997.

- * *Highest Honors* clinical distinctions in Orthopedic Surgery, General Surgery Sub-Internship, General Surgery Core, Medicine Sub-Internship, Medicine Core
- * Elected to serve two years on the Harvard Medical School Main Admissions Committee, interviewing and selecting matriculating classes at HMS.

Duke University 1989-1993 Durham, North Carolina

B.S.E. degree in Biomedical and Electrical Engineering, Magna Cum Laude, awarded in June 1993. 3.8 GPA.

- * Fulbright Scholarship, 1993
- * National Science Foundation Graduate Studies Scholarship, 1993
- * Angier B. Duke Scholar—a full tuition merit scholarship awarded to the top 20 applicants to Duke University; also selected as class representative to serve on A.B. Duke Advisory Committee, screening and selecting subsequent scholarship recipients

* Elected *Phi Beta Kappa*, *Tau Beta Pi* Engineering Honor Society, Golden Key National Honor Society, Phi Eta Sigma

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Oxford University

Oxford, England

Summer Term 1992 at New College, Oxford. Coursework included Comparative British and U.S. Tort Law

The Bolles School 1985-1989

Jacksonville, Florida

Valedictorian; Completed 14 Advanced Placement courses; *Florida Times Union* "Valedictorian of Valedictorians" Award, Lester Varn Award for Highest 4 yr GPA

* John Motley Morehead Scholarship winner-- chosen among international competition to receive a full four year scholarship to UNC, Chapel Hill

* National Merit Scholarship Winner

RESEARCH / PUBLICATIONS / PRESENTATIONS

Deshmukh RV and Scott RD: Unicompartmental Knee Arthroplasty: Long-term Results. *Clinical Orthopedics and Related Research* 2001 Nov; Vol 392, pp272-278. Presented at AAOS Knee Society meeting 2001.

Deshmukh RV and Scott RD: The Incidence of Implementation of Modular Tibial Insert Exchange in 2000 Consecutive Primary PCL-Retaining Knee Arthroplasties. Presented at 2002 Hip and Knee Society Annual Meeting.

Deshmukh RV and Scott RD: The Incidence and Outcome of Implementation of Modular Tibial Insert Exchange in 2000 Consecutive Primary PCL-Retaining Knee Arthroplasties. Presented at 2003 AAOS meeting; submitted for publication

Deshmukh RV and Scott RD: Unicompartmental Knee Arthroplasty for Younger Patients: An Alternative View. *Clinical Orthopedics and Related Research* 2002 Nov; Vol 404, pp108-112. Presented at 2002 Knee Society Meeting.

Deshmukh RV, Mankin HJ, Singer S: Synovial Sarcoma: The Importance of Size and Location for Survival. *Clinical Orthopedics and Related Research* 2004 Feb; Vol 419, pp155-161.

Deshmukh RV and Scott RD: Unicompartmental Knee Arthroplasty; Chapter in *Orthopedic Knowledge Update: Hip and Knee Reconstruction*, AAOS publication, 2005

Deshmukh RV and Scott RD: Unicompartmental Knee Arthroplasty; Review article pending publication in *Minerva Ortopedica*

Curtis AS, **Deshmukh RV**: Throwing injuries: diagnosis and treatment. *Arthroscopy* 2003 Dec; 19 Suppl 1:80-5.

Murphy SB, **Deshmukh RV**: Periacetabular Osteotomy: Pre-operative Radiographic Predictors of Outcome. *Clinical Orthopedics and Related Research* 2002 Dec; Vol 405, pp168-174. Presented at 2002 Hip Society Meeting.

Scott RD and **Deshmukh RV**: Unispace/Metallic Hemiarthroplasty for Knee Replacement: Chapter 52 in *Total Knee Arthroplasty—A Guide to Better Performance*. Publication pending

McCarthy J, **Deshmukh RV**, Lee J: An Evaluation of the Role of Hip Arthroscopy in Total Hip Arthroplasty. Submitted for publication.

Murphy SB, Gobezie R, **Deshmukh RV**: Applications of Surgical Navigation to Primary Total Hip Arthroplasty. Submitted for publication.

Deshmukh RV: "An Update on Arthroscopic Rotator Cuff Repair" Orthopedic Grand Rounds Presentation at New England Baptist Hospital, July, 2003.

Deshmukh RV: "An Overview of Modularity in Total Knee Arthroplasty" Orthopedic Grand Rounds Presentation at New England Baptist Hospital, April, 2004.

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Deshmukh RV and Smith A: Chapter 13, Hypertension. In Lilly LS (ed.) *Pathophysiology of Heart Disease*. Philadelphia: Lea and Febiger, Second Edition, 1998.

Intern at Costa Rican National Ministry of Health Costa Rica Summer 1994

I co-authored (for publication in Spanish) the seroepidemiologic study and prevention plan for control of the Costa Rican outbreak of dengue fever. I gave presentations in Spanish to physicians and epidemiologists at regional and national levels.

Radiofrequency Catheter Ablation Study Children's Hospital, Boston. Spring 1994

Principal Investigator: Phillip Saul, M.D. I designed and performed a study using a sheep heart model and regression analysis to establish impedance vs. tissue depth calibration curves. Data was used to improve localization of cardiac ablation catheters.

DEXA Scanning Evaluation Department of Biomedical Engineering, Duke University 1991-92

I used compressive fracture analysis on vertebral bodies to compare AP vs. lateral DEXA scanning as a measure of bone strength and fracture risk in osteoporosis.

Standing Wheel Chair Honors Independent Study, Electrical Engineering Department, Duke University, 1992-93

Collaborating with IBM, I designed and began construction of a "standing" wheelchair to be controlled by ultrasound, joystick, and voice command to bring patients to standing position with full maneuverability.

ACTIVITIES and INTERESTS

Medical School Activities

- Elected to serve on **Harvard Medical School Admissions Committee** and chosen by Chair to serve as student representative on Main committee for two years in the challenging and humbling process of interviewing and choosing the matriculating classes at HMS.
- **Second Year Show:** I performed a solo song and dance routine (low on talent and high on energy).
- **Physical Diagnosis Course Tutor:** I worked as a fourth-year tutor to teach second-year students skills to perform a comprehensive history and physical exam.
- **FEAT Trip Leader:** As a founding member of the First-year Educational Adventure Trip (FEAT), I led over 40 matriculating students on a five-day camping trip into the White Mountains.
- **Health Care Reform Day Moderator:** I moderated a debate between an editor of *The New England Journal of Medicine* and one of the executives of a busy local HMO on the merits of a single-payer health care financing system.
- **Frostbite Sailing Racing League:** From November '93 to April '94, I competed in four races/week in the Boston Harbor learning how to negotiate small icebergs and maneuver on an ice-covered deck.

Undergraduate Activities

- **A.B. Duke Scholarship Advisory Committee:** Chosen from among my fellow scholars, I reviewed applications, interviewed finalists, and chose scholarship winners.
- **Presidential Honor Code Committee:** I worked with students, faculty, and administrators to review the possibility of an Honor Code at Duke University.