

# **MICHAEL J. CHMELL, M.D.**

OrthoIllinois

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## **EMPLOYMENT:**

**OrthoIllinois, Rockford, IL**

August 1995 - present

## **FELLOWSHIP:**

**Brigham and Women's Hospital / Harvard University, Boston, MA**

Total Joint Arthroplasty Fellowship under Clement B. Sledge, M.D.

August 1994 – July 1995

## **RESIDENCY:**

**Vanderbilt University Department of Orthopaedics and**

**Rehabilitation, Nashville, TN**

July 1990 – June 1994

## **INTERNSHIP:**

**Vanderbilt University Department of Surgery, Nashville, TN**

July 1989 – June 1990

## **MEDICAL EDUCATION:**

**University of Chicago Pritzker School of Medicine, Chicago, IL**

M.D. with honors

September 1985 – June 1989

## **UNDERGRADUATE EDUCATION:**

**University of Notre Dame, Notre Dame, IN**

B.S. with highest honors

August 1981 – May 1985

## **ACADEMIC HONORS:**

Alpha Epsilon Delta Premedical Honor Society

Saint Thomas More Honor Society

Phi Beta Kappa

Honored at University of Notre Dame Commencement as

one of three students with highest academic ranking in

College of Science

Alpha Omega Alpha

Awarded 1989 University of Chicago Catherine Dobson Prize for best presentation of research by a non-PhD. senior medical student.

1994 Eugene M. Regen Award for best senior resident paper in Orthopedic Surgery, Vanderbilt University

**CERTIFICATION:** **USMLE**  
Part I written examination passed June 1987  
Part II written examination passed April 1989  
Part III written examination passed March 1990

**American Board of Orthopaedic Surgery**  
Part I written examination passed July 1994  
Part II oral examination passed July 1997  
Board certified July 11, 1997 through December 31, 2027

**STATE LICENSURE:** Illinois: No. 036-090108  
Wisconsin No. 56458-20

**HOSPITAL AFFILIATIONS:** Rockford Orthopedic Surgery Center (Active Staff)  
Medical Director  
St. Anthony Medical Center (Active Staff)  
SwedishAmerican Hospital (Active Staff)  
Rockford Memorial Hospital (Courtesy Staff)  
Van Matre HealthSouth Rehabilitation Hospital (Consulting)  
Centegra Health System (Courtesy)

**MEMBERSHIPS:** American Association of Hip and Knee Surgeons  
American Academy of Orthopedic Surgeons

**ACADEMIC APPOINTMENTS:** University of Illinois College of Medicine at Rockford;  
Clinical Assistant Professor, Department of Surgery  
University of Notre Dame College of Engineering Advisory Council

**HONORS / AWARDS:** “Best Doctors in America” 2015 - 2016

**LABORATORY RESEARCH EXPERIENCE:** Research Technician, Department of Biochemistry, Loyola University Medical Center, summer of 1983 and 1984.

Independent research, Section of Urology, University of Chicago, full time summer quarter 1986, part time spring quarter 1986 and 1987. Studied the mechanism of androgen sensitive cellular proliferation.

Independent research, Departments of Orthopaedics and Pathology, Vanderbilt University, July 1, 1991 through October 1, 1991. Studied growth factor expression in osteogenic sarcoma.

**PUBLICATIONS:**

Judge, S.M., Lee J., Chmell, M., and Kantor, A.M.; Transformation of Androgen Insensitive Tumor Cells to Hormonal Sensitivity by Transfection with Normal Prostate DNA (Abstract) *Journal of Endocrinological Investigation* 10(2): 62, 1987.

Chmell, M., Dvonch, V.; Adolescent Tibia Vara. *Orthopedics* 12(2); 295-7, 1989.

Chmell, M.J., McAndrew, M., Thomas, R., and Schwartz, H.S.; Structural Allografts for Reconstruction of Lower Extremity Open Fractures with 10 Centimeters or More of Acute Segmental Defects. *Journal of Orthopaedic Trauma* 9:222-226, 1996.

Chmell, M.J., Rispler, D., Poss, R.: The Impact of Modularity in Total Hip Arthroplasty. *Clinical Orthopedics and Related Research* 319; 1-8, 1995.

Chmell, M.D., POSS, R.: Avantages et desavantages de la modularite des protheses totales de hanche: Considerations cliniques sur le dessin et les materiaux. In Cahiers d'enseignement de la SOFCOT; Duparc, J. (Ed), Expansion Scientifique Francaise, Paris, 1996.

Scott, R.D., Chmell, M.J.: Unicompartmental Total Knee Arthroplasty, In Orthopaedic Knowledge Update: Hip and Knee Reconstruction; Callaghan, J.J., Dennis, D.A., Paprosky, W.G., Rosenberg, A.G. (Eds.), American Academy of Orthopaedic Surgeons, Rosemont, IL, 1995.

Chmell, M.J., Schwartz, H.S.: Analysis of Variables Affecting Wound Healing After Musculoskeletal Sarcoma Resections. *Journal of Surgical Oncology* 61: 185-189, 1996.

Chmell, M.J., Moran, M.C., Scott, R.D.; Periarticular Fractures After Total Knee Approximately: Principles of Management. *Journal of the American Academy of Orthopaedic Surgeons* 4(2): 239-241, 1996.

Chmell, M.J., Poss, R., Thomas, W.H., Sledge, C.B.: Early Failure of Hylamer Acetabular Inserts Due to Eccentric Wear. *Journal of Arthroplasty* 11(3): 351-354, 1996.

Chmell, M.J., McManus, J., Scott, R.D.: Thickness of the Patella in Male and Female Patients with Osteoarthritis. *The Knee* 2(4): 239-241, 1996.

Chmell, M.J., Scott, R.D.: Balancing the Posterior Cruciate Ligament During Cruciate-Retaining Total Knee Arthroplasty: Description of the P.O.L.O. Test. *Journal of Orthopaedic Techniques* 4: 12-15, 1996.

Chmell, M.J., Scott, R.D., Thomas, W.H., Sledge, C.B.: Cemented Total Hip Arthroplasty in Patients with Juvenile Rheumatoid Arthritis Under Age Thirty: Minimum Ten Year Results. *Journal of Bone and Joint Surgery* 79A: 44-52, 1997.

Chmell, M.J., Scott, R.D.: Surgical Management of Juvenile Rheumatoid Arthritis. In Textbook of Rheumatology, Fourth Edition; Kelley, W.N., Harris, E.D., Ruddy, S., Sledge, C.B. (Eds.), W.B. Saunders Company, Philadelphia, 1997.

Livingston, B.J., Chmell, M.D., Spector, M., and Poss, R.: Complications of Total Hip Arthroplasty Associated With the Use of an Acetabular Component with a Hylamer Liner. *Journal of Bone and Joint Surgery* 79A: 1529-38.

Chmell, M.J., Poss, R.: Proximal Femoral Osteotomy. In The Adult Hip: Callaghan, J., Rosenberg, A., and Rubash, H. (Eds.), Lippincott-Raven, Philadelphia, 1997.

Wang, H., Chmell, M., Svitek, C., Rodgers, W., and Schwartz, H.: Osteogenic Sarcoma Oncogene Expression Detected by *In Situ* Hybridization. *Journal of Orthopaedic Research*, 1997

Chmell, M.J., Scott, R.D.: Protrusio Acetabuli. In Revision Total Hip Arthroplasty: Bono, J.V., McCarthy, J.D., Bierbaum, B.E., et.al. (Eds.), Springer-Verlag Inc., New York, 1999.

Chmell, M.J., Scott, R.D.: Total Knee Arthroplasty in Rheumatoid Arthritis. *Clinical Orthopedics and Related Research*, 355:54-60, 1999

Scott, R.D., Chmell, M.J., Rosenberg, A.G., et.al.: Long-term results of total knee replacement. In Orthopaedic Knowledge Update: Hip and Knee Reconstruction 2; Pellicci, P.M., Tria, A.J., Garvin, K.L. (Eds.), American Academy of Orthopaedic Surgeons, Rosemont, IL 2000.

Scott, R.D., Chmell, M.J.: Balancing the Posterior Cruciate Ligament During Cruciate – Retaining Fixed and Mobile – Bearing Total Knee Arthroplasty: description of the POLO and SLIDE-BACK tests. *Journal of Arthroplasty* 23:605-8, 2008.

## SCIENTIFIC PRESENTATIONS:

Judge, S.M., Kantor, A.M., Chmell, M.J.: A Model System for Studying Androgen Sensitive Tumor Cell Growth. Annual Meeting of the American Urological Association, Anaheim, CA, 1987.

Chmell, M.J., Judge S.M.: Induction of Hormonal Sensitivity in Tumor Cells, 43rd Annual Scientific Session, University of Chicago Pritzker School of Medicine, 1989.

Chmell, M., Chengler, J.D., Brothers, J., Limbird, T.J.: Failure of Cemented Porous Coated Anatomic Unicompartmental Knee Arthroplasty. Annual Meeting of Tennessee Orthopaedic Society, Nashville, TN, 1992.

Chmell, M., Schwartz, H.S., Rodgers, W.H.: Analysis of Archival Osteosarcomas by *In Situ Hybridization*. 2nd Inter-Meeting of SIROT(Societe Internationale de Recherche en Orthopedie et de Traumatologie), Brussels, Belgium, 1992.

Chmell, M., Schwartz, H.D.: Analysis of Variables Affecting Wound Healing in Musculoskeletal Sarcoma Resections. American Orthopaedic Association

Annual Resident's Conference, Seattle, WA, 1993; and Annual Meeting of Tennessee Orthopaedic Society, Knoxville, TN, 1993.

Wang, H., Chmell, M., Svitek, C., Rodgers, W., and Schwartz, H.: Osteogenic Sarcoma Oncogene Expression Detected by *In Situ* Hybridization. Annual Meeting of Musculoskeletal Research Society, Houston, TX, 1993.

Chmell, M.J., McAndrew, M., Thomas, R., and Schwartz, H.S.: Massive Structural Allografts for Reconstruction of Lower Extremity Open Fractures. American Orthopaedic Association Annual Resident's Conference, Atlanta, GA, 1994; and American Fracture Association Annual Meeting, Calgary, Canada, 1994.

Chmell, M.J., Scott, R.D., Thomas, W.H., Sledge, C.B.: Cemented Total Hip Arthroplasty in Patients with Juvenile Rheumatoid Arthritis under Age Thirty: Minimum Ten Year Results. American Academy of Orthopedic Surgeons Annual Meeting, Atlanta, GA, 1996.

Bellare, A., Livingston, B.J., Cohen, R.E., Chmell, M., et al: Characterization of Wear Surface and Bulk Morphology of Retrieved Hylamer Acetabular Cups. Fifth World Biomaterials Conference, Toronto, Canada, 1996.

Livingston, B.J., Chmell, M.J., Spector, M., and Poss, R.: The Wear Rate of Hylamer Cups is Higher than Conventional P.E. and Differs with Heads from Different Manufacturers. Orthopaedic Research Society Annual Meeting, San Francisco, CA, 1997.

Bellare, A., Livingston, B.J., Cohen, R.E., Chmell, M., et al: Analysis of Hylamer Acetabular Inserts Retrieved Due to Early Failure Associated with High Wear Rates and Osteolysis. American Academy of Orthopedic Surgeons Annual Meeting, San Francisco, CA, 1997.

Scott, R.D., Chmell, M.J.: Use of the P.O.L.O. Test in Achieving Proper Posterior Cruciate Ligament Tension During Cruciate-Preserving Total knee Arthroplasty (Videotape program) American Academy of Orthopedic Surgeons Annual Meeting, San Francisco, CA, 1997.

The Performance of Hylamer Acetabular Inserts in Total Hip Arthroplasty. Orthopedic Grand Rounds, New England Baptist Hospital, Boston, MA, 1/22/97; Vanderbilt Orthopedic Society Annual Meeting, Destin, FL, 4/26/97. Orthopedic Grand Rounds, Brigham and Women's Hospital, Boston, MA, 9/24/97

Experience with Hylamer. William Harris, Harvard Hip Course, 9/25/97, Boston, MA.