

## CURRICULUM VITAE

NAME: Michael Jon Chmell

OFFICE ADDRESS: Rockford Orthopedic Associates, Ltd.  
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BIRTH: July 27, 1963; Chicago, Illinois

UNDERGRADUATE  
EDUCATION: University of Notre Dame; Notre Dame, IN  
8/81 through 5/85, B.S. with highest honors.

MEDICAL EDUCATION: University of Chicago Pritzker School of Medicine;  
Chicago, IL 9/85 through 6/89, M.D. with honors.

INTERNSHIP: Vanderbilt University Department of Surgery;  
Nashville, TN, 7/89 through 6/90.

RESIDENCY: Vanderbilt University Department of Orthopaedics and  
Rehabilitation; Nashville, TN 7/90 through 6/94.

FELLOWSHIP: Total Joint Arthroplasty Fellowship under Clement B. Sledge, M.D.  
Brigham and Women's Hospital/Harvard University, Boston, MA,  
8/94 through 7/95.

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

RECORD OF EXAMINATIONS: National Board of Medical Examiners:  
Part I, 6/87, passed  
Part II, 4/89, passed  
Part III, 3/90, passed  
  
American Board of Orthopedic Surgery:  
Part I, 7/94, passed  
Part II, 7/97, passed  
Board Certified in Orthopedic Surgery

STATE LICENSURE: Massachusetts: No. 79741  
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)

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

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, 7/1/91 through 10/1/91. 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., Chenger, J.D., Brothers, J., Limbird, T.J.: Failure of Cemented Porous Coated Anatomic Unicompartamental 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.