University of Minnesota
Medical School

ADULT RECONSTRUCTION FELLOWSHIP ORTHOPAEDIC SURGERY

www.ortho.umn.edu/education
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University of Minnesota Medical School
Adult Reconstruction Fellowship Program

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WELCOME
To the Adult Reconstruction Fellowship Program

Thank you for your interest in the Adult Reconstructive Fellowship Program at the University of Minnesota.

Our fellowship program is based at the University of Minnesota Medical Center, Fairview. The fellowship provides a broad training experience in the diagnosis, management, and surgical treatment of adult reconstructive disorders. Fellows are exposed to clinical problems spanning the breadth from minimally invasive procedures, such as hip arthroscopy, to multiply revised joint replacements with substantial structural bone loss. In addition, disease etiologies ranging from musculoskeletal tumors to septic prosthesis to osteoarthritis are encountered routinely. The University of Minnesota Medical Center, Fairview provides an ideal setting for the fellowship training program.

Currently, there are two faculty involved in the training of fellows, and you will note that in their biographies each has their own subspecialty interest and expertise. This provides excellent opportunities for mentorship in all areas of adult reconstructive surgery. The training program has been successful in graduating surgeons who practice in community and academic settings in the United States, as well as in Europe, the Middle East, and Asia. There are opportunities for on-going research participation, as well as teaching and interaction with the University of Minnesota residency training program.

Thank you very much for your interest in our Adult Reconstruction Fellowship Program. We look forward to receiving your application through the San Francisco Match. Inquiries may be directed to Nancy Borgstrom, Adult Reconstruction Fellowship Coordinator, borgs013@umn.edu

Sincerely yours,

Edward Y. Cheng, MD
Director, Adult Reconstructive Joint Fellowship
Professor
Orthopaedic Oncology and Adult Reconstruction

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Program Description:

This twelve-month fellowship, accredited by the Accreditation Council for Graduate Medical Education (ACGME), is a one year fellowship at the University of Minnesota Medical Center (UMMC). The year provides time in the outpatient clinic and operating room and is devoted to patient care responsibilities. Time is reserved for research obligations as well. The case mix involves the entire spectrum of reconstructive procedures including but not limited to complex revision arthroplasty, reconstruction after tumor resection, treatment of infected prostheses and osteonecrosis. A requirement for graduation from the program is completion of a research project and publication submission.

University of Minnesota at University of Minnesota Medical Center, Fairview (Riverside Campus). This hospital is the quaternary care referral site for the entire Fairview Health System and also receives referrals from the entire Upper Midwest region. Fellows are exposed to treatment and management of the young adult hip (femoroacetabular impingement) and hip arthroscopy and osteotomies, orthopaedic oncology and reconstructive surgery related to tumor excision and metastatic disease in addition to degenerative disease. Patients are under direct supervision of a single faculty attending surgeon, and the fellow works intimately with that surgeon to gain knowledge and experience. There is only one resident assigned to the service; therefore, when multiple surgeries are performed or the resident is on vacation or away for interviews, the fellow's surgical experience is increased.
UNIVERSITY OF MINNESOTA MEDICAL CENTER, FAIRVIEW

www.umn.edu
Rotation: University of Minnesota Medical Center, Fairview

Faculty:* Edward Y. Cheng, MD
Patrick Morgan, MD
Mark Dahl, MD (joined the faculty November 2014)

Monday: Round on patients in hospital and/or rehab unit
First, third, and fifth Mondays are clinic days with Dr. Cheng
Second and fourth Mondays are operative days with Dr. Morgan

Tuesday: Round on patients in hospital and/or rehab unit
4th Tuesday of the Month – Adult Reconstruction Conference
OR Day with Dr. Cheng
Attend Ortho Department Mortality and Morbidity Rounds

Wednesday: Pre-op planning with Dr. Cheng
Individual meeting with Dr. Cheng regarding research project
Round on patients in hospital and/or rehab unit
Self-Directed Research

Thursday: Bone and Soft Tissue Tumor Conference
Round on patients in hospital and/or rehab unit
Clinic with Dr. Cheng or Dr. Morgan
Self-Directed Research – afternoon (if in clinic with Dr. Cheng)

Friday: Attend city wide Grand Rounds
Round on patients in hospital and/or rehab unit
OR Day with Dr. Cheng
Attend the Core Curriculum Sessions specific to Adult Reconstruction

The fellow does morning rounds on in-patients the 2nd and 4th weekends of every month.

Fellows attend scheduled clinic sessions and assist physicians in the evaluation and management of patients within the clinic. The fellows are given the opportunity to oversee and manage a clinic in conjunction with the attending staff wherein they can develop individual relationships with patients on a recurring basis.

*Depending upon a fellow’s interest and focus, the training experience may be customized as opportunities are available with other attending surgeons who regularly perform minimally invasive hip arthroplasty, pelvic osteotomy, and femoral osteotomies.
Dr. Cheng, Mairs Family Chair and Professor, is the Program Director for the Adult Reconstruction Fellowship Program at the University of Minnesota. Dr. Cheng specializes in orthopedic oncology and adult reconstruction. His research has focused on joint replacement, osteonecrosis, soft tissue sarcomas, and bone tumors.

EDUCATION:
- Boston Children’s Hospital Medical Center, Boston, MA, Pediatric Orthopaedic Oncology Fellow
- Massachusetts General Hospital, Boston, MA Orthopaedic Oncology Fellowship, Research Fellowship
- Harvard Combined Orthopaedic Surgery Residency Program, Boston, MA, Orthopaedic Surgery, Residency
- Northwestern University, McGraw Medical Center, Chicago, IL, General Surgery, Internship and Residency
- Northwestern University Medical School, Chicago, IL, MD

MEMBERSHIPS:
- American Board of Orthopaedic Surgery – recertified, 2000
- Musculoskeletal Tumor Society, Executive Committee
- American Academy of Orthopaedic Surgeons
- American Association of Hip and Knee Surgeons
- Association Research Circulation Osseous
- National Osteonecrosis Foundation
- American College of Surgeons Oncology Group
- American Association of Hip and Knee Surgeons
- American Orthopaedic Association
- American College of Surgeons Oncology Group
- DePuy Johnson and Johnson, Orthogenesis LPS prosthesis, international design panel
- Fulfillium, Inc., Scientific Advisory Board
- Musculoskeletal Transplant Foundation, Medical Board of Trustees
Dr. Morgan’s specialty is adult reconstruction, focusing on young adult hip disorders and joint preservation procedures. His practice includes hip arthroscopy, hip resurfacing, and joint replacement of the hip and knee.

EDUCATION:
- Washington University School of Medicine, Fellowship in Joint Preservation, Resurfacing, and Replacement
- University of Minnesota, Residency
- University of Minnesota Medical School, MD

MEMBERSHIPS:
- American Board of Orthopaedic Surgery, Certified, 2009
- American Academy of Orthopaedic Surgeons
- International Cartilage Repair Society
- Mid-America Orthopaedic Association
Dr. Dahl specializes in adult and pediatric orthopedics, including limb reconstruction and limb lengthening surgery. His practice also includes knee arthritis and cartilage preservation, ankle arthritis and cartilage preservation, lower extremity osteotomy, and repair of non-unions.

**EDUCATION:**
- University of Verona, Italy, Limb Lengthening and Deformity Correction Fellowship
- International Institute for Limb Restorative Surgery, Kurgan, Sibera, USSR, Distraction Osteogenesis Fellowship (Ilizarov Methodology)
- University of Minnesota, Residency
- Hennepin County Medical Center, Internship
- Mayo Medical Schoool, MD

**MEMBERSHIPS:**
- American Academy of Orthopaedic Surgery
- American Medical Association
- Minnesota Medical Association
- Association for the Study and Application of the Methods of Ilizarov
- Limb Lengthening and Reconstructive Society of North America
- Minnesota Orthopaedic Society
- Pediatric Orthopaedic Society of North America
- American Orthopaedic Association
# University of Minnesota Medical School
## Adult Reconstruction Fellowship Program
### Graduate Fellows

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<th>Current Position</th>
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<td>Rida Kassim</td>
<td>2002</td>
<td>Attending Surgeon, Beirut</td>
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<tr>
<td>Gideon Burstein</td>
<td>2003</td>
<td>Faculty, Sheba Medical Center, Israel</td>
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<td>Issada Thongtrangan</td>
<td>2003</td>
<td>Faculty, Orthopaedic and Spine Institute San Antonio, TX</td>
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<td>Kevin Mulhall</td>
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<td>Edward Santos</td>
<td>2004</td>
<td>Associate Professor University of Minnesota</td>
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<tr>
<td>Georges Al-Macari</td>
<td>2005</td>
<td>Faculty, Harvard-Brigham and Women’s Hospital, Boston, MA Faculty, VAMC, West Roxbury, MA</td>
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<td>Muhammad Ajmal</td>
<td>2006</td>
<td>Attending Surgeon, VAMC Nashville, TN Asst. Clinical Professor, Vanderbilt University</td>
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<td>Vineet Sharma</td>
<td>2006</td>
<td>Private Practice India</td>
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<td>Jonathan Sembrano</td>
<td>2007</td>
<td>Assistant Professor University of Minnesota</td>
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<td>Siddharth Joglekar</td>
<td>2008</td>
<td>Attending Surgeon VAMC Fresno, CA Clinical Instructor, University of California, SF</td>
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<tr>
<td>Name of Fellow</td>
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<td>Vivek Sharma</td>
<td>2008</td>
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<td>Hays Orthopedic Institute</td>
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<td>Aditya Maheshwari</td>
<td>2009</td>
<td>Assistant Professor, Director of Musculoskeletal Oncology and Adult Reconstruction</td>
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<td>University of New York</td>
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<td>Downstate Medical Center</td>
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<td>Niraj Kalore</td>
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<td>Chester Regional Medical Center</td>
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<td>Jeffrey “JET” Luna</td>
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<td>Ramesh Periysamy</td>
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<td>Prasad Puruduppa</td>
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<td>Arun Kannan</td>
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<td>Sameer Naranje</td>
<td>2013</td>
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<td>University of Tennessee</td>
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<td>Vivek Jagadale</td>
<td>2013</td>
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<td>Chenthuran Deivaraju</td>
<td>2014</td>
<td>Private Practice</td>
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“I am very satisfied with my experience I had during my rotation at the VAMC and looking forward to applying the knowledge and experience for betterment of my patients. I also look forward to having positive long-term interaction with the prestigious faculty during my career. I have been very luck to have such excellent mentors.”

“This program offers the opportunity to be very close to the attending and has helped me to develop though processes regarding clinical evaluation, pre-operative counseling and preparation, intra-operative as well as post-operative decision making. In the operating room hands-on-experience progressing from first assistant to primary surgeon.”

“Because of the nature of the practice at the University, the fellow is exposed to a unique mix of tumors and degenerative joint disease. The fellow is also exposed to the challenge of reconstruction after tumor excision.”

“Good and experienced staff to work with.”

“Priceless rotation in terms of learning basics of joint replacement.”

“Diversity of cases – tumor and adult reconstruction.”

“I like the way attendings are open to questioning and the way they explain the decision making process and operative technique.”

“Case diversity, outstanding faculty, friendly environment, evidence based approach, and no unnecessary tensions.”

“I feel confident of doing any primary/revision hip/knee arthroplasty after my fellowship.”

“For someone who is interested in orthopedics as a whole, this program gives a wide exposure to multiple aspects of the orthopedics, especially arthroplasty and orthopaedic oncology (trauma and arthroscopy also to some extent.”

“Active role in clinic, operating room, and on hospital floor.”

“Great academic atmosphere.”

“Opportunity to work with multiple residents and staff persons.”
University of Minnesota Medical School  
Adult Reconstruction Fellowship Program  
Bibliography


Thongtrangan I, Schwartz E, Saleh KJ: Osteolysis in revision total hip arthroplasty. Clin Orthop Rel Res 2004 (article accepted for peer reviewed publication)


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Ajmal M. Biologic factors influencing osteonecrosis-steroids, statins, ethanol, HV, and antiretroviral therapy and smoking. Sem Arthrop 2007, 18:3, 180-191


Sharma V. Is there are role for resurfacing hemiarthroplasty? Sem Arthrop 2007 18:3, 211-215.


Spontaneous Resolution of Osteonecrosis of the Femoral Head.
Cheng, E.Y., Thongtrangan, I., Laorr, A., Saleh, K.J.
ARCO (Association Research Circulation Osseous) 2003

Prevention and Management of Prosthetic Infections
Muhammad Ajmal
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2006

Management of Periprosthetic Infection
Vineet Sharma
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2006

Resurfacing Hemiarthroplasty for Femoral Head Osteonecrosis
Sharma V, Ajmal M, Cheng EY
MOS (Minnesota Orthopaedic Society) 2006

A Reduced Incidence of Steroid Related Osteonecrosis in Diabetics after Renal Transplantation
Ajmal M, Matas A, Kuskowski M, Cheng, E
ARCO (Association Research Circulation Osseous) 2007

Does Statin Usage Reduce Risk of Steroid Related Osteonecrosis
Ajmal M, Matas A, Kuskowski M, Cheng E
ARCO (Association Research Circulation Osseous) 2007

Outcome of Acetabular Cage Reconstruction in Severe Pelvic Deficiency
Sembrano J, Santos E, Cheng E
AAHKS (American Association of Hip and Knee Surgeons) 2007

Non-Spinal Pain Generators in Low Back Pain
Jonathan Sembrano
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2007

Acetabular Cage Reconstruction
Sembrano J, Cheng E
MOS (Minnesota Orthopaedic Society) 2007
2008

3-Dimensional Imaging System (O-Arm) Guidance in Biopsy Procedures
Sembrano, JN, Polly DW, Cheng EY
MOS (Minnesota Orthopaedic Society 2008

Outcomes after Excision of Pigmented Villonodular Synovitis of Knee
Sharma V, Cheng EY
MSTS (Musculoskeletal Tumor Society) 2008

Management of Periprosthetic Fractures in Total Hip Arthroplasties
Vivek Sharma
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2008

Core Decompression With or Without Cement Packing for Pre-Collapse Osteonecrosis of the Femoral Head-Long Term Results
Joglekar S, Kukowski M, Cheng E
AAHKS (American Association of Hip and Knee Surgeons) 2008

Management of Bone Loss in Revision Total Knee Arthroplasty
Siddharth Joglekar
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2008

2009

Core Decompression With or Without Cement Packing for Pre-Collapse Osteonecrosis of the Femoral Head-Long Term Results
Joglekar S, Kukowski M, Cheng E
AAOS 2009

Diagnosis and Management of Infected Total Knee Arthroplasty
Niraj Kalore
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2009

Total Hip Arthroplasty in Young Active Patients and Metal Hypersensitivity in Total Joint Patients
Aditya Maheshwari
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2009

Repeated Infection after Primary Exchange Arthroplasty for Infected Total Knee Total Knee Arthroplasty: Is Salvage Possible Again?
Maheshwari A, Gioe TJ, Kalore N, Cheng EY
AAHKS (American Association for Hip and Knee Surgeons) 2009,

2010

Repeated Infection after Primary Exchange Arthroplasty for Infected Total Knee Arthroplasty: Is Salvage Possible Again?
Maheshwari A, Gioe TJ, Kalore N, Cheng EY
AAOS 2010
Do Premium Implants Add Value? Analysis of High Cost of Joint Implants in a Community Registry
Gioe TJ, Sharma A, Tatman PJ, Mehle S
MAOA (Mid-America Orthopaedic Association) 2010

Reconstruction of Severe Acetabular Bone Loss (Paprosky Type-III): A Survival and Functional Analysis
Sharma AK, Sembrano JN, Cheng EY
MOS (Minnesota Orthopaedic Society) 2010

Coronol and Sagittal Plane Deformity Correction with X-LIF Cages in Degenerative Lumbar Spine
Amit Sharma
MOS (Minnesota Orthopaedic Society) 2010

Metal on Metal Hip Arthroplasties
Amit Sharma
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2010

Do Lordotic Cages provide Greater Segmental Sagittal Control Change Than Non-Lordotic Cages in Minimally-Invasive Lateral Interbody Fusion (LLIF)?
Sembrano JN, Sharma AK, Horazdovsky, Polly DW, Santos ERGS
Annual Research Meeting of the Society of Lateral Access Surgery 2010
MOS (Minnesota Orthopaedic Association) 2010
17th International Meeting on Advanced Spine Techniques 2010
Annual Meeting of the Society for Minimally Invasive Spine Surgery 2010

Lateral Lumbar Interbody Fusion (LLIF) vs Standard Approaches: Analysis of Segmental Lordosis Change
Sembrano JN, Sharma AK, Horazdovsky RD, Azmoudeh B, Santos ERG, Polly DW
3rd Annual Meeting of the Society of Lateral Access Surgery 2010
17th International Meeting on Advanced Spine Techniques 2010
Annual Meeting of the Society for Minimally Invasive Spine Surgery 2010

Does Zoledronic Acid Added to Bone Cement Reduce Local Progression of Metastatic Bone Disease?
Luna JT, Kalore NV, Zhang Y, Cheng EY
CTOS (Connective Tissue Oncology Society) 2010

Diagnosing Bone and Soft Tissue Sarcoma
Jeffrey Luna
Third District Nurses Meeting 2010
Does Zoledronic Acid Added to Bone Cement Reduce Local Progression of Metastatic Bone Disease?
**Luna JT, Kalore NV, Zhang Y, Cheng EY**
MOS (Minnesota Orthopaedic Society) 2010

Advances and Challenges in the Surgical Management of Metastatic Bone Disease
**Jeffrey Luna**
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2010

Outcome Results of Revision Total Hip Arthroplasty and Risk Factors Related to Failure
**Ramesh Periysamy**
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2010

2011

Does the Addition of Zoledronic Acid to Bone Cement Reduce Local Progression of Bone Metastases?
**Luna JT, Kalore NV, Zhang Y, Cheng EY**
AAOS 2011

Reconstruction of Severe Acetabular Bone Loss (Paprosky Type-III): Using Acetabular Cages.
**Sharma AK, Sembrano JN, Cheng EY**
AAOS 2011

Lateral Lumbar Interbody Fusion (LLIF) vs Standard Approaches: Analysis of Segmental Lordosis Change
Sembrano JN, **Sharma AK**, Horazdovsky RD, Azmoudeh B, Santos ERG, Polly DW
AAOS 2011
MAOA (Mid-American Orthopaedic Association) 2011
Annual Meeting of the International Society for the Advance of Spine Surgery 2011

Do Lordotic Cages Provide Greater Segmental Sagittal Control Change than Non-Lordotic Changes in Minimally-Invasive Lateral Interbody Fusion (LLIF)?
Sembrano JN, **Sharma AK**, Horazdovsky, Polly DW, Santos ERGS
Annual Meeting of the International Society for Advancement of Spine Surgery 2011

Articulating Antibiotic Spacers for Infected Knee Arthroplasty: Is There a "Best Method"
**Niraj Kalore**
MAOA (Mid-America Orthopaedic Association) 2011

Infected Total Knee Arthroplasties
**Ramesh Periysamy**
University of Minnesota Medical Center, Fairview - 8A Nursing Staff 2011

Diagnostic Approach to Imaging of Painful Young Adult Hip
**Prasad Puruduppa**
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2011
Prasad Puruduppa
University of Minnesota Medical Center, Fairview - 8A Nursing Staff 2011

Is there a Preferred Articulating Spacer Technique for Infected Knee Arthroplasty? A Preliminary Study.
Kalore NV, Maheshwari A, Sharma A, Cheng E, Gioe TJ
The Knee Society Open Meeting 2011

2012

Rating Surgeons…What you Need to Know about Outcomes Assessment of the Knee
Arun Kannan
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2012

Preventing Infections After Arthroplasty
Arun Kannan
University of Minnesota Medical Center, Fairview – 8A Nursing Staff 2012

Metal on Metal Hip Arthroplasty: Where Are We Now?
Sameer Naranje
University of Minnesota Orthopaedic Surgery Department Grand Rounds 2012

2013

Surgical Approaches to Total Hip Arthroplasty
Sameer Naranje MBBS
University of Minnesota Medical Center, Fairview 8A Nursing Staff, January 2013

Blood! Conservation Strategies for Hip and Knee Replacements – Current Trends
Vivek Jagadale MBBS
University of Minnesota Orthopaedic Surgery Grand Rounds February 2013

Bone and Soft Tissue Tumors
Vivek Jagadale MBBS
University of Minnesota Medical Center, Fairview 8A Nursing Staff, March 2013

Value of Interleukin 6 in the Diagnosis of Prosthetic Joint Infection
Vivek Jagadale MBBS
Minnesota Orthopaedic Society Annual Meeting May 2013

2014

Grand Rounds Presentation
Chenthuran Deivaraju MBBS
University of Minnesota Orthopaedic Surgery Grand Rounds January 2014
Serum Interleukin 6 Improves Screening For Infected Total Knee Arthroplasty
Vivek Jagadale MBBS
AAOS 2014

Radiation Dosimetry Of Intraoperative O-arm® Versus Ct For Radiofrequency Ablation Of Osteoid Osteomas
Sameer Naranje MBBS
AAOS 2014
### University of Minnesota Medical School
Adult Reconstruction Fellowship Program
Resident Experience Report
08/01/2011 – 07/31/2012

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### University of Minnesota Medical School
Adult Reconstruction Fellowship Program
Resident Experience Report
08/01/2012 – 07/31/2013

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University of Minnesota
Research Laboratories

University of Minnesota Medical Center, Fairview
Biomechanics/Tissue Mechanics Lab – University Campus

This laboratory has a fifteen-year history in the research on post-traumatic osteoarthritis, cartilage injury repair, and ligament reconstruction. Current areas of focus are on cartilage mechanics and osteoarthritis. Techniques used include tissue mechanical testing and electron microscopy. The laboratory is funded by the National Institutes of Health and the Catherine Mills Davis Chair in Biomechanical Engineering and Orthopaedic Surgery.

Cancer Research Lab/Bone Tumor Biology Lab – University Campus

These laboratories focus on the osteoclast as well as bone formation. The laboratories are funded by multiple grants from the National Institutes of Health and the Roby C. Thompson, Jr. Chair in Musculoskeletal Oncology. Current areas of investigation include bone cancer metastatic growth, mechanisms of pain generation, and transcriptional regulations during osteoclast differentiation. Focus on osteoclast-directed gene delivery systems is also an active area of investigation.

Biomechanics and Human Performance Lab – Riverside Campus

This facility, which includes mechanical testing devices and a unit dedicated to finite element analysis, focuses on basic biomechanics of ligament reconstruction, spinal fixation, disc replacement, in vivo shoulder biomechanics, and methods of internal fixation. The laboratory is funded by the Orthopaedic Research and Education Foundation, National Institutes of Health, and industry-related grants.

Clinical Outcomes Research Center – University Campus

This medical school-wide resource is dedicated to aid the faculty, fellows, and residents in conducting high quality clinical research. The form of the research can be in a clinical trial design or a quasi-experimental prospective functional outcome design. The center is staffed by research methodologists, survey design and study design experts, and statisticians. The activities are funded by the National Institutes of Health, Centers for Medicare and Medicaid Services, independent foundations, and affiliations with local hospitals and medical groups.
Orthopaedic surgery has a rich heritage at the University of Minnesota, dating back to the founding of the Medical School in 1888. In 1897, Arthur Gillette assumed his duties as the first clinical professor of Orthopaedic Surgery at the University of Minnesota. Gillette also established the first State Crippled Children’s Hospital in 1897, which after his death became Gillette Children’s Hospital — an ongoing and vital part of orthopaedic education and patient care throughout the 20th century. Emile Geist succeeded Arthur Gillette as director of the Orthopaedic Surgery Division in 1921. After Geist’s death in 1933, Wallace Cole became the lead figure in Orthopaedic Surgery for the next 25 years. Although Cole was made full professor in 1935, Orthopaedic Surgery continued as a Division of the Department of General Surgery, headed by Owen Wangensteen, who tightly controlled the budget and most surgical activities.

Dr. Cole retired in 1956, at the mandatory age of 68, but continued to be active in educational activities at Gillette, Shrine, and VA Hospitals until his death in 1973. John Moe was appointed a clinical professor and head of the division in 1957. There was significant growth of the division under Moe, with advancement to a full department.

The appointment of Roby Thompson, Jr., M.D., as professor and department chair in 1974 was a major turning point because of his skills in every area. He brought not only good organizational skills for our educational endeavor, but also experience and interest in orthopaedic research that added immensely to the academic stature of what was already a strong clinical training program. Thompson was well received by the full-time and clinical faculty of both communities, and through his leadership and with cooperation of Dr. Robert Premer at the Minneapolis VA Medical Center, the VA and University programs were integrated by the early 80’s with strong faculty leadership at all of the affiliated hospitals, assuring a balanced and broad educational experience for all residents. In 1997, a national search led to the appointment of Dr. Marc Swiontkowski as professor and chairman of the Department of Orthopaedic Surgery. He has continued the long traditions of Drs. Gillette, Geist, Cole, Moe, and Thompson in leading the department to national excellence in patient care, research, and education. Dr. Swiontkowski completed his 10 years of planned Chairmanship in 2007. He continues as a full time Professor in the Orthopaedic Surgery Department.

In 2007, a national search led to the appointment of Dr. Denis Clohisy as Chairman of the Department of Orthopaedic Surgery. He has been an orthopaedic faculty member at the University since 1991. His specialty is musculoskeletal oncology.
Notes