

Curriculum Vitae

Rina Jain, MD, FRCSC

Orthopaedic Surgeon
San Diego Sports Medicine and Orthopaedic Center
6719 Alvarado Road, Suite 200
San Diego, CA, 92120

Telephone: (619) 229-3932
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Clinical Practice History

San Diego Sports Medicine and Orthopaedic Center
December 2002 to Present

The Scarborough Hospital, General Division
May 2000 to November 2002

Toronto Western Hospital, University Health Network
July 1999 to April 2000

Degrees, Certifications and Licenses

Fellow, American Academy of Orthopaedic Surgery

Diplomate, American Board of Orthopaedic Surgery

FRCSC: Fellow of the Royal College of Surgeons of Canada in Orthopaedic Surgery

MD: Doctor of Medicine, University of Toronto

Province of Ontario General Medical License #65408

California Physician's and Surgeon's License #A81238

Industrial Medical Council QME #953593

Examinations Passed

State of California, Department of Regulations
Industrial Medical Council, Qualified Medical Examiner: 2003

FRCSC (Royal College of Physicians and Surgeons of Canada Fellowship)
Examination in Orthopaedic Surgery: 1998

MCCQE (Medical Council of Canada Qualifying Examination)
Part 1: 1992
Part 2: 1993

USMLE (United States Medical Licensing Examination)
Step 1: 1993
Step 2: 1992
Step 3: 1998

ABOS (American Board of Orthopaedic Surgery)
Part 1: 1999 (Board Eligible, Written Examination)
Part 2: 2001 (Board Certified, Oral Examination)

Education

- ▣ Fellowship:
Arthroplasty/Lower Extremity Reconstruction)
July 1998 - June 1999
Toronto Hospital
- ▣ Residency:

Orthopaedic Surgery
July 1993 - June 1998
University of Toronto

Internship:
Comprehensive Surgical
June 1992 - June 1993
Mount Sinai Hospital, Toronto

Medical: Doctor of Medicine (M.D.)
Sept. 1988 - June 1992

University of Toronto
Graduated with Honours

Pre-Medical: Undergraduate Program: Physics/Biology and Statistics
September 1986 - August 1988

University of Toronto

Secondary: Secondary School Honours Graduation Diploma
September 1983 - June 1986
C.W. Jeffery's Collegiate Institute, No. York, Ontario

Medical School Electives

Internship: Orthopaedics

St. Michael's Hospital

June - July 1992

Musculoskeletal Radiology

The Toronto Hospital

May - June 1993

Clerkship: Radiology

The Toronto Hospital

November - December 1991

Orthopaedics

York-Finch Hospital

December 1991 - January 1992

Orthopaedics

Mount Sinai Hospital

February 1992 - March 1992

Medical School: Clinical Cardiology

North York Branson Hospital

November 1990

Orthopaedics

Mount Sinai Hospital

September - October 1990

Neurosurgery

Sunnybrook Hospital

May - June 1990

Autopsy and Surgical Pathology

The Toronto Hospital

January 1990

General Surgery

Women's College Hospital

September - October 1989

Open House

Faculty of Medicine

April 1989

Anaesthesia

The Toronto Hospital

October - November 1988

Awards

Teacher of the Year, June 2002,

Chosen by Family Practice Residents

Scarborough General Hospital

Best Poster Presentation, October 2000

"Avascular necrosis and subcapital hip fractures in patients < 60 years"

Orthopaedic Trauma Association Annual Meeting

Founders' Medal, June 1995

Canadian Orthopaedic Research Society

Walter F. Watkins Scholarship, 1990

Year 2 Medicine

University of Toronto Open Admission Scholarship, June 1986 - 1989

\$1500.00 per year, for 4 years

Ann Shepard Memorial Scholarship, July 1998 (\$300.00)

Faculty Scholar, June 1988U

University of Toronto

C.L. Burton Open Scholarship, July 1987 (\$250.00)

University of Toronto

Faculty Scholar, June 1987 (\$100.00)

University of Toronto

Ontario Scholar, June 1986 (\$100.00)

Professional Organization Memberships

American Academy of Orthopaedic Surgeons

California Medical Association

California Orthopaedic Association

Canadian Medical Association

Canadian Medical Protective Association (until December 31, 2002)

Canadian Orthopaedic Association

CAP-MPT (Cooperative of American Physicians Mutual Protection Trust)

College of Physicians and Surgeons of Ontario

Ontario Medical Association

Royal College of Physicians and Surgeons of Canada

Ruth Jackson Orthopaedic Society

San Diego County Medical Society

Western Orthopaedic Association

CURRENT MEDICAL STAFF PRIVILEGES

Sharp Grossmont Hospital

Alvarado Hospital

Veterans' Administration

Mission Valley Outpatient Surgery Center

Scientific Publications

1. Jain R, Podworny N, Anderson GI, Schemitsch EH: Assessment of the relationship between standard probe and implantable fibre measurements of cortical bone blood flow: a canine study. *Calcified Tissue International*, 59:64-69;1996.
2. Jain R, Brown M, Boynton EL: Not another diabetic foot infection! A case report. *Canadian J of Plastic Surgery*. 4:205-8;1996.
3. Jain R, Podworny N, Hearn T, Anderson GI, Schemitsch EH: The effect of stainless steel and titanium low contact-dynamic compression plate application on the vascularity and mechanical properties of cortical bone following fracture. *Journal of Orthopaedic Trauma*. 11:490-5;1997.
4. Schemitsch EH, Jain R, Turchin DC, Mullen JB, Byrick RJ, Anderson GI, Richards RR: Pulmonary effects of fixation of a fracture with a plate compared with intramedullary nailing. *Journal of Bone and Joint Surgery*. 79A:984-996;1997.
5. Jain R, Podworny N, Hearn T, Richards RR, Schemitsch EH: A biomechanical evaluation of different plates for

fixation of canine radial osteotomies. *Journal of Trauma*. 44:193-7;1998.

6. Jain R, Podworny N, Hupel TM, Weinberg J, Hearn T, Schemitsch EH: The influence of plate design on cortical bone perfusion and fracture healing in canine segmental tibial fractures. *Journal of Orthopaedic Trauma*. 13(3):178-86;1999.
7. Jain R, Schemitsch EH, Waddell JP: Cementless acetabular revision arthroplasty. *Canadian Journal of Surgery*. 43(4):269-275;2000.
8. Jain R, Schemitsch EH, Waddell JP: Functional outcome after revision hip arthroplasty using roof reinforcement rings. *Canadian Journal of Surgery*. 43(4):276-282;2000.
9. Jain R, Podworny N, Schemitsch EH: In vivo assessment of second generation implantable laser Doppler flowmetry fibres for bone blood flow determination. *International Journal of Surgical Investigation*. 2(2):89-98;July 2000.
10. Jain R, Hudak P, Bowen CVA: Health status following recessional ulnar osteotomy. *Hand Surgery*. 5(1):11-17;2000.

Scientific Publications (continued)

11. Jain R, Hudak P, Bowen CVA: The validity of health status measures in patients with ulnar wrist disorders. *Journal of Hand Therapy*. 14(2):147-153;2001.
12. Batouk O, Gilbert M, Jain R: Intraoperative dislocation of trial femoral head into pelvis during total hip arthroplasty. *Journal of Bone and Joint Surgery [Am]*. 83A(10):1549-1551;2001.
13. Jain R. Letter to the editor: Complications of total knee arthroplasty after open reduction internal fixation of fractures of the tibial plateau. *Journal of Bone and Joint Surgery [Am]*. 84A(3):497-498,2002.
14. Jain R, Koo M, Kreder H, Schemitsch EH, Davey JR, Mahomed NM: Comparison of early and delayed fixation of subcapital hip fractures in patients 60 years of age or less. *Journal of Bone and Joint Surgery [Am]*. 84A(9):1605-1612;2002.
15. Jain R. Letter to the editor: Authorship for journal articles. *Can J Surg* 45(3):224;2002.
16. Jain R, Basinski A, Kreder H: Nonoperative treatment of hip fractures. *International Orthopaedics*. 27:11-17;2003.

Research Presentations

1. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: The effect of timing and method of fracture fixation on pulmonary dysfunction in a canine model of fat embolism. Gallie-Bateman Resident Research Day, University of Toronto, April 27, 1995.
2. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: The effect of timing and method of fracture fixation on pulmonary dysfunction in a canine model of fat embolism. Clinical Research Society of Toronto Annual Meeting. April 29, 1995.
3. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: The effect of timing and method of fracture fixation on pulmonary dysfunction in a canine model of fat embolism. Canadian Orthopaedic Research Society Annual Meeting, Halifax. June 3, 1995.
4. Jain R, Podworny N, Anderson GI, Schemitsch EH: In vivo comparison of standard and implantable fibre laser Doppler flowmetry for determination of cortical bone blood flow. Canadian Orthopaedic Research Society Annual Meeting poster, Halifax. June 3-7, 1995.

Research Presentations (continued)

5. Jain R, Podworny N, Anderson GI, Schemitsch EH: The acute effects of stainless steel and titanium low contact-dynamic compression plates on cortical bone blood flow. Canadian Orthopaedic Research Society Annual Meeting poster, Halifax. June 3-7, 1995.
6. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: The effect of timing and method of fracture fixation on pulmonary dysfunction in a canine model of fat embolism. University of Toronto Trauma Research Day, June 9, 1995.
7. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: The effect of timing and method of fracture fixation on pulmonary dysfunction in a canine model of fat embolism. Inaugural Canadian Conference on Connective Tissues poster, June 27, 1995.
8. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: The effect of timing

and method of fracture fixation on pulmonary dysfunction in a canine model of fat embolism. Orthopedic Trauma Association Annual Meeting, Sept. 29, 1995.

9. Jain R, Podworny N, Anderson GI, Schemitsch EH: The effect of stainless steel and titanium low contact-dynamic compression plate application on cortical bone blood flow. Orthopedic Trauma Association Annual Meeting poster, Sept. 29-Oct. 1, 1995.

10. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: Fat embolism and fracture fixation: the effect of timing and method of fracture fixation on pulmonary dysfunction. Second Combined Meeting of the Orthopaedic Research Societies of U. S. A., Japan, Canada, and Europe, poster. Nov. 5-8, 1995.

11. Jain R, Podworny N, Anderson GI, Schemitsch EH: The effect of stainless steel and titanium low contact-dynamic compression plate application on cortical bone blood flow. Second Combined Meeting of the Orthopaedic Research Societies of U. S. A., Japan, Canada, and Europe, poster. Nov. 5-8, 1995.

12. Jain R, Podworny N, Anderson GI, Schemitsch EH: Assessment of the relationship between standard probe and implantable fibre measurements of cortical bone blood flow using laser Doppler flowmetry. Second Combined Meeting of the Orthopaedic Research Societies of U. S. A., Japan, Canada, and Europe, poster. Nov. 5-8, 1995.

13. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: Fat embolism and fracture fixation: the effects of plating versus intramedullary nailing. Orthopaedic Research Society Annual Meeting, February 22, 1996.

Research Presentations (continued)

14. Kowalski MJ, Jain R, Schemitsch EH, Hupel T, Swiontkowski MF: The effect of biological plating on cortical bone porosity in sheep tibial fractures. Orthopaedic Research Society Annual Meeting poster, Feb. 18-22, 1996.

15. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: The effect of timing and method of fracture fixation on pulmonary dysfunction in a canine model of fat embolism. American Academy of Orthopaedic Surgeons Annual Meeting, Feb. 26, 1996.

16. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: The effect of timing and method of fracture fixation on pulmonary dysfunction in a canine model of fat embolism. American Academy of Orthopaedic Surgeons Annual Meeting poster, Feb. 23, 1996.

17. Jain R, Podworny N, Anderson GI, Schemitsch EH: The effect of stainless steel and titanium low contact-dynamic compression plate application on cortical bone blood flow. American Academy of Orthopaedic Surgeons Annual Meeting poster, Feb. 24, 1996.

18. Jain R, Turchin DC, Podworny N, Schemitsch EH, Byrick RJ, Anderson GI, Richards RR: Fat embolism and fracture fixation: the effects of plating versus intramedullary nailing. Canadian Orthopaedic Research Society Annual Meeting, May 24, 1996.

19. Kowalski MJ, Jain R, Schemitsch EH, Hupel T, Swiontkowski MF: The effect of biological plating on cortical bone porosity in sheep tibial fractures. Canadian Orthopaedic Research Society Annual Meeting, May 24, 1996.

20. Jain R, Podworny N, Schemitsch EH: In vivo assessment of second generation implantable laser Doppler flowmetry fibres for bone blood flow determination. Canadian Orthopaedic Research Society Annual Meeting poster, May 24-29, 1996.

21. Jain R, Podworny N, Hearn T, Anderson GI, Schemitsch EH: A biomechanical evaluation of the effect of titanium versus stainless steel low contact dynamic compression plates for fixation of simple tibial fractures. Canadian Orthopaedic Research Annual Meeting, May 24, 1996.

22. Jain R, Podworny N, Hearn T, Schemitsch EH: The influence of plate design on cortical bone blood flow and fracture healing in canine segmental tibial fractures. Canadian Orthopaedic Research Annual Meeting, May 24, 1996.

Research Presentations (continued)

23. Jain R, Podworny N, Hearn T, Richards RR, Schemitsch EH: A biomechanical evaluation of methods for plate fixation of radial fractures with and without a gap: a canine cadaveric study. Canadian Orthopaedic Research Annual Meeting, May 24, 1996.

24. Anderson GI, Podworny N, Jain R, Kwok AWL, Waddell JP: Hydroxyapatite application effect on micromotion around acetabular and femoral components in a canine arthroplasty model. Canadian Orthopaedic Research Annual Meeting, May 24, 1996.

25. Kowalski MJ, Jain R, Schemitsch EH, Hupel T, Swiontkowski MF: The effect of biological plating on cortical bone porosity in sheep tibial fractures. SIROT poster, August 1996.

26. Jain R, Podworny N, Hearn T, Anderson GI, Schemitsch EH: The effect of stainless steel and titanium low contact-dynamic compression plate application on vascularity and mechanical properties of cortical bone following fracture. SIROT poster, August 1996.
27. Jain R, Podworny N, Hearn T, Richards RR, Schemitsch EH: A biomechanical evaluation of methods for plate fixation of radial fractures with and without a gap: a canine cadaveric study. Orthopaedic Trauma Association Annual Meeting, September 1996.
28. Jain R, Podworny N, Hearn T, Schemitsch EH: The influence of plate design on cortical bone blood flow and fracture healing in canine segmental tibial fractures. Orthopaedic Trauma Association Annual Meeting, September 1996.
29. Kowalski MJ, Jain R, Schemitsch EH, Hupel T, Swiontkowski MF: The effect of biological plating on cortical bone porosity in sheep tibial fractures. Orthopaedic Trauma Association Annual Meeting, September 1996.
30. Jain R, Kreder HJ, Basinski A: Operative versus nonoperative treatment of hip fractures in patients with severe comorbid conditions. Canadian Orthopaedic Association Annual Meeting, July 1999.
31. Jain R, Koo M, Kreder HJ, Schemitsch EH, Davey JR, Mahomed N, McKee MD: Avascular necrosis and subcapital hip fractures in patients < 60 years. Orthopaedic Trauma Association Annual Meeting, October 2000.
32. Jain R, Jain S: Postoperative blood salvage in total knee arthroplasty. Canadian Orthopaedic Association Annual Meeting, June 2001.

Current Projects

Acute femoral artery thrombosis following fixation of an acetabular fracture. (co-investigator E. Schemitsch)

Postoperative blood salvage in total hip and knee arthroplasty. (co-investigator S. Jain)

Teaching Activities/Continuing medical education presentations

Osteoporosis and your Orthopaedic Surgeon, Osteoporosis Screening Day, Women's Health Center, Grossmont Hospital, February 13, 2004

Early versus delayed fixation of subcapital hip fractures in patients younger than 60 years, Orthopaedic Department Meeting, Alvarado Hospital, May 1, 2003.

What's New in Total Hip/Knee Replacement, Rehabilitation Department Conference, Alvarado Hospital, September 2003.

Shoulder and Ankle Injuries, Seminar for Family Practice Residents, Scarborough General Hospital, December 12, 2001. (1 hour)

Diagnostic Difficulties in Emergency Orthopaedics, Presentation to emergency physicians at Toronto East Emergency Conference, November 10, 2001

Examiner, Medical Council of Canada Qualifying Examination, Part II, October 20, 2001.

Knee Injuries, Seminar for Family Practice Residents, Scarborough General Hospital, December 13, 2000. (1 hour)

Examiner, Medical Council of Canada Qualifying Examination, Part II, October 29, 2000.

Forefoot Pain Seminar for Year IV clinical clerks, Toronto Western Hospital, April 18, 2000. (1 hour)

Open Fractures Seminar for Year IV clinical clerks, Toronto Western Hospital, April 13, 2000. (1 hour)

Acute and Chronic Knee Pain Seminar for Year IV clinical clerks, Toronto Western Hospital, April 11, 2000. (1 hour)

Surgical Skills Lab demonstrator, Anterior and Posterior Iliac Crest Bone Graft, Mount Sinai Hospital, April 11, 2000. (2 hours)

Forefoot Pain Seminar for Year IV clinical clerks, Toronto Western Hospital, March 7, 2000. (1 hour)

Teaching Activities/Continuing medical education presentations (continued)

Acute and Chronic Knee Pain Seminar for Year IV clinical clerks, Toronto Western Hospital, February 29, 2000. (1 hour)

Examiner, OSCE for year IV clinical clerks, Wellesley Hospital, February 9, 2000. (4 hours)

Forefoot Pain Seminar for Year IV clinical clerks, Toronto Western Hospital, January 25, 2000. (1 hour)

Forefoot Pain Seminar for Year IV clinical clerks, Toronto Western Hospital, November 30, 1999. (1 hour)

Faculty participant, Health Care Ethics Workshop: Linking Research to Clinical Practice: Perspectives from Research

Based Institutions, Toronto, November 18, 1999.

Journal Club for Orthopaedic Residents: Distal radius fractures, Toronto Western Hospital, October 28, 1999. (1 hour)

Examiner, Medical Council of Canada Qualifying Examination, Part II, October 24, 1999

Orthopaedic Bedside Assessment Seminar for Year III clinical clerks, Toronto Western Hospital, October 21, 1999. (1 hour)

Forefoot Pain Seminar for Year IV clinical clerks, Toronto Western Hospital, October 21, 1999. (1 hour)

Open Fractures Seminar for Year IV clinical clerks, Toronto Western Hospital, October 14, 1999. (1 hour)

Journal Club for Orthopaedic Residents: Distal radius fractures, Toronto Western Hospital, September 28, 1999. (1 hour)

Forefoot Pain Seminar for Year IV clinical clerks, Toronto Western Hospital, September 9, 1999. (1 hour)

Examiner, OSATS Exam for Surgical Skills for PGY-IIs, Mount Sinai Hospital, Toronto, June 23, 1999

Examiner, OSCE (Objective Structured Clinical Examination) for ASCM (Art and Science of Clinical Medicine) Course for Year 2 Medical Students: May 26, 1999

Examiner, Total Knee Arthroplasty Surgical Skills for Residents course, March 7, 1999

Examiner, Medical Council of Canada Qualifying Examination, Part II, October 1998

Teaching Activities/Continuing medical education presentations (continued)

Demonstrator, Orthopaedic Residency Bioskills Programme, University of Toronto, 1998-99

Supervision of Elective Students/Preceptor

July 31 through

August 4, 2000: David Chang, Year III medical student
Scarborough General Hospital

August 2000 Dr. Rocco Lombardi, Family Practice Resident
Scarborough General Hospital

December 2000: Dr. Bindu Kumar, Family Practice Resident
Scarborough General Hospital

October 2001: Dr. Jacqueline Perry, Family Practice Resident
Scarborough General Hospital

February 4 through

February 15, 2002: Dr. Jacqueline Hui, Family Practice Resident
Scarborough General Hospital

March 4 through

March 17, 2002: Dr. Larry Nijmeh, Family Practice Resident
Scarborough General Hospital

March 19, 2002: Peter Stevanovski, Year I medical student), Scarborough General Hospital

April 2 through

March 19, 2002: Dr. Aynharan Sinnarajah, Family Practice Resident
Scarborough General Hospital

June 24-28, 2002: Jamie Kroft, Year II medical student
Scarborough General Hospital

July 2-12, 2002: Dr. Charles Thompson, Family Practice Resident
Scarborough General Hospital

September through

October 2002: Andy Vanhouwelingen, Year II medical student

Scarborough General Hospital

Committees

Grossmont Hospital Orthopaedic Collaborative Council

(January 2004 - Present)

Orthopaedic Supervisory Committee, Grossmont Hospital

(January 2004 - Present)

Continuing Medical Education Committee, Alvarado Hospital

(May 2003 - Present)

Physician Rehabilitation Advisory Board, Grossmont Hospital

(2003 - Present)

Organizer, Grand Surgical Rounds, Scarborough General Hospital (February 14, 2002 – November 14, 2002)

Ontario Medical Association Committee on Women's Issues

(December 2000 – November 2002)

Concurrent Review Steering Committee, Scarborough Hospital

(November 2000 – October 2002)

Admissions/Student Affairs Working Group for Curriculum Renewal Committee

(June - September 1990)

Orientation Committee, University of Toronto Medical School

(June 1989 and June 1990)

Extra-curricular Activities

Judge

2004 Greater San Diego Science and Engineering Fair, March 24, 2004

Careers in Science Day Volunteer

Middlefield Collegiate Institute, March 24, 2002

Comprehensive Clinics Course Representative

Medical School Year III, May 1990 through 1991

Telephone Contact/Liaison

Admissions Committee, February through September 1990

Volunteer

University of Toronto Day, October 1989 and October 1990

Other Publications

Jain R. 99 And Counting. Stitches. 66:17;1997.

Media Appearances

1. February 17, 2002: CFTO 6:00 PM news. Interviewed regarding metacarpal hand fractures in relation to Toronto Maple Leafs' Curtis Joseph's injury.

2. March 22, 2002: CFTO 6:00 PM news. Interviewed regarding knee arthroscopy in relation to Toronto Raptors' Vince Carter's upcoming surgery.

Languages

English (mother tongue)

French

Interests/Hobbies

Astronomy
Photography
Off-Road Driving
Figure Skating
Tennis
Squash