

6. EMPLOYMENT RECORD

(a) *Prior to coming to UBC*

University, Company or Organization	Rank or Title	Dates
Transport Canada - Aviation, Winnipeg, MB	Airworthiness Engineer	May - September 1997
Shell Canada Ltd., Calgary, AB	Heat Transfer Engineer	May - September 1988
Bristol Aerospace Ltd., Winnipeg, MB	Rocket Design Engineer	May - September 1989
Department of Orthopaedics, Lion's Gate Hospital, North Vancouver, BC	Staff Orthopaedic Surgeon (Locum)	June 1998 - July 1998
Department of Orthopaedics, Flinders University of South Australia, Adelaide, South Australia	Clinical Instructor	August 1998 - January 1999
Department of Orthopaedics, Rockhampton Hospital, Rockhampton, Queensland, Australia	Director of Orthopaedics	January 1999 - June 1999
Department of Orthopaedics, Burnaby Hospital, Burnaby, BC	Staff Orthopaedic Surgeon (Locum)	June 1999 - April 2000
Visiting Specialists Clinic, WCB of British Columbia, Richmond, BC	Orthopaedic Foot & Ankle Consultant	1999 - 2003
False Creek Surgery Centre, Vancouver, BC	Staff Orthopaedic Surgeon	1999 - 2002
Cambie Surgery Centre, Vancouver, BC	Staff Orthopaedic Surgeon	1999 - Present
Department of Orthopaedics, St. Mary's Hospital, New Westminster, BC	Staff Orthopaedic Surgeon	July 1999 - July 2004
Simon Fraser Health Region (Royal Columbian & Eagle Ridge Hospital), New Westminster, BC	Staff Orthopaedic Surgeon	July 1999 - July 2004
Providence Health Care, St. Paul's Hospital and St. Vincent's Hospital, Vancouver, BC	Staff Orthopaedic Surgeon	May 2002 - Present

(b) *At UBC*

Rank or Title	Dates
Clinical Instructor	July 2000 - July 2001
Clinical Assistant Professor	July 2001 - Present

(c) *Date of granting of tenure at U.B.C.:*

7. LEAVES OF ABSENCE

University, Company or Organization at which Leave was taken	Type of Leave	Dates

8. TEACHING

(a) Areas of special interest and accomplishments

- Complex Foot & Ankle Reconstruction and Trauma

(b) Courses Taught at U.B.C.

Session	Course Number	Scheduled Hours	Class Size	Hours Taught			
				Lectures	Tutorials	Labs	Other

(c) Graduate Students Supervised

Student Name	Program Type	Year		Principal Supervisor	Co-Supervisor(s)
		Start	Finish		

(d) Continuing Education Activities

Advanced Trauma Life Support Course, American College of Surgeons, Vancouver, BC, November 1993

AO/ASIF Fracture Course, AO North America, Portland, OR, January 1996

Complex Foot & Ankle Trauma Course, Royal Adelaide Hospital, Adelaide, South Australia,

Australia, December 1998

Advances in Arthroscopy of the Foot and Ankle, Australian Orthopaedic Association, Gold Coast, Queensland, Australia, March 1999

2000

American Academy of Orthopaedic Surgeons, Orlando, FL, March, 2000

AAOS/DePuy Surgical Technique Training Course, AAOS Training Centre, Chicago, IL, December, 2000

2001

State of the Arts in Orthopaedics, Whistler, BC, March, 2001

AOFAS 17th Annual Summer Meeting, San Diego, CA, July, 2001

Challenges in Hip & Knee Replacement: An Advanced Course, Whistler, BC, July, 2001

Orthopaedic Research Day, UBC, Vancouver, BC, December, 2001

2002

Contemporary Techniques & Issues in Orthopaedics, Whistler, BC, March, 2002

AOFAS Advanced Foot & Ankle Course, San Francisco, CA, May, 2002

International Congress on Total Ankle Arthroplasty, San Francisco, CA, September, 2002

International Federation of Foot & Ankle Surgeons 1st Meeting, San Francisco, CA, September, 2002

Surgical Decision Making & Technological Advancements in Hip & Knee Reconstruction, Scottsdale, AZ, October, 2002

2003

Emerging Trends in Knee & Hip & Lower Extremity Trauma, Whistler, BC, March, 2003

Advances in Hip & Knee & Trauma, Stryker, Whistler, BC, February, 2003

Canadian Orthopaedic Foot & Ankle Society Symposium, Vancouver, BC, April 2003

AOFAS 19th Annual Summer Meeting, Hilton Head, SC, June, 2003

BC Interior Orthopaedic Association Annual Meeting, Penticton, BC, September, 2003

Surgical Advancements in Lower Extremity Reconstruction, Tucson, AZ, October, 2003

2004

Advances in Trauma Course, Vail, CO, January, 2003

Canadian Orthopaedic Association Annual Meeting, Calgary, AB, June 2004

Canadian Orthopaedic Foot & Ankle Society Summer Meeting, Calgary, AB, June 2004

AOFAS 20th Annual Summer Meeting, Seattle, WA, July 2004

(e) Visiting Lecturer (indicate university/organization and dates)

Master Instructor, Arthroscopy Association of North America Foot and Ankle Course, Chicago, IL, August 2000

Keynote Speaker, BC Interior Orthopaedic Association, Penticton, BC, September, 2003

(f) Other

Scandinavian Total Ankle Replacement Training, Mini-Fellowship, Dr. T. Lee, Columbus, OH, December, 2001

9. SCHOLARLY AND PROFESSIONAL ACTIVITIES**(a) Areas of special interest and accomplishments**

- Biomechanics of total ankle replacement
- Biomechanics of the subtalar joint
- Total Ankle Arthroplasty

(b) Research or equivalent grants (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC))

Granting Agency	Subject	COMP	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)

- (c) *Research or equivalent contracts (indicate under COMP whether grants were obtained competitively (C) or non-competitively (NC)).*

Granting Agency	Subject	COMP	\$ Per Year	Year	Principal Investigator	Co-Investigator(s)

- (d) *Invited Presentations*

Spinal Stenosis. UBC/St. Paul's Hospital, Department of Surgery Grand Rounds, December 1994

Tumors and Infections of the Vertebral Column. UBC Orthopaedic Residents Seminar, January 26, 1995

Epiphyseal Injuries. UBC Orthopaedic Residents Seminar, April 27, 1995

Non-Operative Management of Closed Tibial Shaft Fractures. UBC Department of Orthopaedics Grand Rounds, November 1995

Malignant Musculoskeletal Tumors: Investigation and Diagnosis. UBC Orthopaedic Residents Seminar, January 4, 1996

Dietary Rickets in the 1990's. UBC Department of orthopaedics Grand Rounds, April 1996

Surgical Management of Arthritis of the Shoulder and Elbow. UBC Orthopaedic Residents Seminar, April 18, 1996

Cerebral Palsy. UBC Orthopaedic Residents Seminar, September 19, 1996

Fractures of the Hand. UBC Orthopaedic Residents Seminar, September 18, 1997

Vascularized Bone Grafting for Scaphoid Nonunions. UBC Department of Orthopaedics Grand Rounds, November 1997

Malignant Musculoskeletal Tumors: Treatment. UBC Orthopaedic Residents Seminar, December 18, 1997

Commonly Missed Fractures & Their Emergency Management. Terrace Medical Association Emergency Medicine Conference, Terrace, BC, May 1997

True Orthopaedic Emergencies. Terrace Medical Association Emergency Medicine Conference, Terrace, BC, May 1997

An Update on the Use of Antibiotic-loaded Bone Cement. Flinders University of South Australia, Annual Orthopaedic Conference, Adelaide, Australia, November 1998

Total Ankle Arthroplasty vs. Ankle Arthrodesis: A Debate, Orthopaedic Research Day, UBC, Vancouver, BC, December, 2001

Current Status of Total Ankle Arthroplasty, Medical Staff Rounds, St. Mary's Hospital, New Westminster, BC, June, 2002

Complex Hindfoot Reconstruction, Medical Staff Rounds, St. Mary's Hospital, New Westminster, BC, July, 2002

Management of Calcaneus Fractures in 2003, Canadian Orthopaedic Foot & Ankle Society Symposium, Vancouver, BC, April 2003

Hindfoot Problems in General Practice, Canadian Orthopaedic Foot & Ankle Society Symposium, Vancouver, BC, April 2003

Current Status of Ankle Replacement, Keynote Lecture, BC Interior Orthopaedic Association, Penticton, BC, September, 2003

Surgical Treatment of Calcaneus Fractures, BC Interior Orthopaedic Association, Penticton, BC, September, 2003

(e) Other Presentations

(f) Other

(g) Conference Participation (Organizer, Keynote Speaker, etc.)

Keynote Speaker, BC Interior Orthopaedic Association, Penticton, BC, September, 2003

Conference Organizer, STAR Ankle Replacement in the North America, Keynote Speaker -- Dr. R. Mann, Vancouver, BC, March, 2003

10. SERVICE TO THE UNIVERSITY

(a) Memberships on committees, including offices held and dates

(b) Other service, including dates

Examiner, UBC Dept of Orthopaedics Oral Exams, 2002

Examiner, UBC Dept of Orthopaedics Oral Exams, 2003

Examiner, Practice Royal College Exams, UBC, 2001-present

11. SERVICE TO THE COMMUNITY

(a) *Memberships on scholarly societies, including offices held and dates*

Canadian Orthopaedic Foot & Ankle Society
Canadian Orthopaedic Association
British Columbia Orthopaedic Association
Canadian Medical Association
British Columbia Medical Association
American Orthopaedic Foot & Ankle Society
American Academy of Orthopaedic Surgeons
Oregon Medical Association
Australian Orthopaedic Association

(b) *Memberships on other societies, including offices held and dates*

Vice President, Calgary Medical Students Association, 1991-1992

(c) *Memberships on scholarly committees, including offices held and dates*

Chairman, Graduation Committee, University of Calgary, Faculty of Medicine, 1992
Resident Representative, Faculty Advisory Committee and Residency Program Committee,
Department of Orthopaedics, UBC, 1995-1997

(d) *Memberships on other committees, including offices held and dates*

(e) *Editorships (list journal and dates)*

(f) *Reviewer (journal, agency, etc. including dates)*

(g) *External examiner (indicate universities and dates)*

(h) *Consultant (indicate organization and dates)*

(i) *Other service to the community*

12. AWARDS AND DISTINCTIONS

(a) *Awards for Teaching (indicate name of award, awarding organizations, date)*

(b) *Awards for Scholarship (indicate name of award, awarding organizations, date)*

1989 - The Natural Sciences & Engineering Research Council of Canada (NSERC) 1967
Scholarship

1987 - University of Manitoba Faculty Association Bursary

1987 - Bechtel Canada Engineering Bursary, University of Manitoba

1987 - E.M. Brydon Bursary in Engineering, University of Manitoba

1988 - Chevron Undergraduate Scholarship, University of Manitoba

1988 - Bristol Aerospace Ltd. Bursary, University of Manitoba

1988 - Akman Scholarship in Engineering, University of Manitoba

1998 - Johnson & Johnson Canada Orthopaedic Bursary

1989-1992 - The Nat Christie Foundation Medical Entrance Scholarship

(c) *Awards for Service (indicate name of award, awarding organizations, date)*

(d) *Other Awards*

1988 - The Natural Sciences & Engineering Research Council of Canada (NSERC)
Undergraduate Research Award

1991 - University of Calgary Medical Elective Award

1991 - The George Callahan Foundation Grant

1992 - The Natural Sciences & Engineering Research Council of Canada (NSERC) Corporate
Research Grant

1994 - Research Prize, University of British Columbia Orthopaedic Update Conference

13. OTHER RELEVANT INFORMATION (Maximum One Page)

THE UNIVERSITY OF BRITISH COLUMBIA
Publications Record

SURNAME: PENNER **FIRST NAME:** Murray **Initials:** MJP
MIDDLE NAME(S): J. **Date:** April 2004

1. **REFEREED PUBLICATIONS**

(a) ***Journals***

Penner MJ, Masri BA, Duncan C: Elution Characteristics of Vancomycin and Tobramycin Combined in Acrylic Bone-Cement. *J Arthroplasty* 11(8):939-944, Dec 1996

Penner MJ, Garbuz DS: Role and results of segmental allografts for acetabular bone deficiency. *Orthop Clin North Am* 29(2):263-275, Apr 1998 (Erratum re: authorship order to be published in 29(3) issue)

Penner MJ, Duncan CP, Masri BA: The in vitro elution characteristics of antibiotic-loaded CMW and Palacos-R bone cements. *J Arthroplasty*, 14(2):209-214, 1999

(b) ***Conference Proceedings***

Penner MJ, Masri BA, Duncan CP: Elution Characteristics of Vancomycin and Tobramycin Combined in Acrylic Bone Cement. Podium presentation at the 21st Annual Meeting of the Canadian Orthopaedic Residents Association, Quebec, QC, May 1995

Penner MJ, Dvorak MFS: Posterior Atlanto-Axial Transarticular Arthrodesis. Poster presentation at the 22nd Annual Meeting of the Canadian Orthopaedic Residents Association, Banff, AB, May 1996

Penner MJ, Masri BA, Duncan CP: The Elution Characteristics of Vancomycin and Tobramycin Combined in Bone Cement. Poster presentation at the 30th Annual Meeting of the Canadian Orthopaedic Research Society, Quebec City, QC, May 1996

Penner MJ, Dvorak MFS: Posterior Atlanto-Axial Arthrodesis Using Transarticular Screw Fixation. Podium presentation at the 51st Annual Meeting of the Canadian Orthopaedic Association, Quebec City, QC, May 1996

Penner MJ, Masri BA, Duncan CP: Elution Characteristics of Vancomycin and Tobramycin Combined in Bone Cement. Podium presentation at the semi-annual University of British Columbia Division of Rheumatology Research Day, Vancouver, BC, September 1996

Penner MJ, Dvorak MFS: Posterior Transarticular Atlanto-Axial Arthrodesis. Podium presentation at the Scoliosis Research Society Meeting, Ottawa, ON, September 1996 (presented by Dr. M.F.S. Dvorak)

Penner MJ, Regan WD: An Isokinetically Performed Jobe's Test as a Predictor of Rotator Cuff Tear. Podium presentation at the 23rd Annual Meeting of the Canadian Orthopaedic Residents Association, Toronto, ON, May 1997

Penner MJ, Duncan CP, Masri BA: The In Vitro Elution Characteristics of Antibiotic-Loaded CMW and Palacos-R Bone Cements. Poster presentation at the 31st Annual Meeting of the Canadian Orthopaedic Research Society, Hamilton, ON, June 1997

Penner MJ, Regan WD: An Isokinetic Jobe's Test as a Predictor of Rotator Cuff Tear. Poster presentation at the 52nd Annual Meeting of the Canadian Orthopaedic Association, Hamilton, ON, June 1997

Penner MJ, Duncan CP, Masri BA: The In Vitro Elution Characteristics of Antibiotic-Loaded CMW and Palacos-R Bone Cements. Poster presentation at the 10th Combined Meeting of the Orthopaedic Associations of the English Speaking World, Auckland, New Zealand, February 1998

Penner MJ, Romilly DP, Masri BA, Duncan CP: Fatigue Properties of Palacos-R Bone Cement Incorporating Vancomycin or Tobramycin. Poster presentation at the 10th Combined Meeting of the Orthopaedic Associations of the English Speaking World, Auckland, New Zealand, February 1998

Penner MJ, Dvorak MFS: Posterior Atlanto-Axial Arthrodesis Using Transarticular Screw Fixation: 35 Cases With Minimum 2 Year Follow-Up. Poster Presentation at the 10th Combined Meeting of the Orthopaedic Associations of the English Speaking World, Auckland, New Zealand, February 1998

Penner MJ, Romilly DP, Masri BA, Duncan CP: Fatigue Properties of Palacos-R Bone Cement Incorporating Vancomycin or Tobramycin. Poster presentation at the 53rd Annual Meeting of the Canadian Orthopaedic Association, Ottawa, ON, June 1998

(c) *Other*

2. NON-REFEREED PUBLICATIONS

(a) *Journals*

(b) Conference Proceedings

Penner MJ, Masri BA, Duncan C: Elution Characteristics of Vancomycin and Tobramycin Combined in Bone-Cement. Podium presentation at the 25th Annual University of British Columbia, Department of Orthopaedics, Resident Research Day, Vancouver, BC, June 1994

Penner MJ, Dvorak MFS: Posterior Atlanto-Axial Arthrodesis Using Transarticular Screw Fixation. Podium presentation at the 26th Annual University of British Columbia, Department of Orthopaedics, Resident Research Day, Vancouver, BC, June 1995

Penner MJ, Regan WD: An Isokinetically Performed Jobe's Test as a Predictor of Rotator Cuff Tear. Podium presentation at the 27th Annual University of British Columbia, Department of Orthopaedics, Resident Research Day, Vancouver, BC, June 1996

Penner MJ, Romilly D, Masri BA, Duncan CP: Fatigue Properties of Palacos-R Bone Cement Incorporating Vancomycin or Tobramycin . Podium presentation at the 28th Annual University of British Columbia, Department of Orthopaedics, Resident Research Day, Vancouver, BC, May 1997

(c) Other

Penner MJ, Dvorak MFS: Posterior Atlanto-Axial Arthrodesis Using Transarticular Screw Fixation. Abstract in J Bone Joint Surg Orthop Proceedings 81 (Supp), 1996

Penner MJ, Regan WD: An Isokinetic Jobe's Test as a Predictor of Rotator Cuff Tear. Abstract in J Bone Joint Surg (Am) Orthop Trans 15, 1997

Penner MJ, Duncan CP: The In Vitro Elution Characteristics of CMW and Palacos-R Bone Cements. Abstract in J Bone Joint Surg (Am) Orthop Trans 15, 1997

Penner MJ, Romilly DP, Masri BA, Duncan CP: Fatigue Properties of Palacos-R Bone Cement Incorporating Vancomycin or Tobramycin. Abstract in Orthop Trans 16, 1998

3. BOOKS

(a) Authored

(b) Edited

(c) Chapters

4. **PATENTS**

5. **SPECIAL COPYRIGHTS**

6. **ARTISTIC WORKS, PERFORMANCES, DESIGNS**

7. **OTHER WORKS**

8. **WORK SUBMITTED (including publisher and date of submission)**

9. **WORK IN PROGRESS (including degree of completion)**