

Firoz Miyanji, MD, FRCS(C)

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WORK EXPERIENCE

- July 2007 – present **Consultant Paediatric Spine Surgeon**
British Columbia Children’s Hospital, 4480 Oak St, Vancouver BC, V6H 3V4
- Aug 2006 – July 2007 **Consultant Spine Surgeon**
Royal Columbian Hospital
#408 – 301 E Columbia St, New Westminster, BC, V3L 3W5
- Jan 2005 - Jun 2005 **Orthopaedic Surgeon - Locum Staff**
Trillium Health Centre Mississauga Site
100 Queensway West; Mississauga, ON, L5B 1B8
- Jul 2004 - Sept 2004 **Orthopaedic Surgeon - Locum Staff**
Royal Columbian Hospital
330 East Columbia St; New Westminster, BC, V3L 3W7

UNIVERSITY AFFILIATION

- Aug 2006 - present **Clinical Instructor**
University of British Columbia
Department of Orthopaedics, Faculty of Medicine

EDUCATION

- 2005 – 2006 **Paediatric Orthopaedic and Scoliosis Surgery Fellowship**
University of San Diego, Children’s Hospital of San Diego, San Diego, CA; USA
- 2004 - 2005 **Spine Fellowship – Combined Neurosurgical and Orthopaedic**
University of Toronto, Toronto Western Hospital, Toronto, ON; Canada
- 1999 - 2004 **Orthopaedic Surgery, FRCS(C)**
University of British Columbia, Vancouver, BC; Canada
- 1995 - 1999 **Doctorate of Medicine**
University of Ottawa, Ottawa, ON; Canada
- 1992 - 1995 **Bachelor of Science, Human Biology**
University of Toronto, Trinity College, Toronto, ON; Canada

HONOURS AND AWARDS

- 2006 **ISCoS 45th Annual Scientific Meeting Award – Best Clinical Paper**
“Correlation of MR Findings with Neurological Outcome in Patients with Acute Cervical Traumatic Spinal Cord Injury: A Prospective Study in 103 Consecutive Patients.”
- 2005 **3rd Annual AO Spine North America Fellows Conference Award**
“Correlation of MR Findings with Neurological Outcome in Patients with Acute Cervical Traumatic Spinal Cord Injury: A Prospective Study in 103 Consecutive Patients.”
- 2003 **Resident Research Award**
University of British Columbia, Department of Orthopaedics
“Flexion-distraction injuries of the thoracolumbar spine: health-related quality of life and radiographic outcomes”

1998	Resident Research Award University of Ottawa, Department of Surgery “Adolescent idiopathic scoliosis: rotational correction using anterior TSRH instrumentation”
1996 - 1997	Merit Scholarship , based on academic standing; University of Ottawa, Faculty of Medicine
1993 - 1995	College Scholarship , based on academic standing; University of Toronto, Trinity College
1992 - 1995	Faculty Scholar , based on academic standing; University of Toronto, Faculty of Arts and Science
1992 - 1995	Canada Scholars Scholarship , based on academic standing Federal Government Industry of Science and Technology
1992 - 1993	Claude George Pascoe Entrance Scholarship University of Toronto, Faculty of Arts and Science

RESEARCH / PUBLICATIONS

Podium Presentations:

1. Wenger DR, Henderson PC, Bastrom T, Miyanji F. **Ligamentum Teres Transfer to Improve Stability in Open Reduction of the Hip in Children: Results of a Pilot Study.** *POSNA 2008.*
2. Miyanji F, Mahar A, Oka R, Newton PO. **Biomechanical Differences between Transfacet and Lateral Mass Screw-Rod Constructs for Multilevel Posterior Cervical Spine Stabilization.** *International Meeting on Advanced Spinal Techniques, 2007.*
3. Furlan J, Miyanji F, Bizhan A, Arnold P, Fehlings MG. **Quantitative MRI assessments correlate with neurological outcome in patients with acute cervical traumatic spinal cord injury: A prospective multicenter study in 100 consecutive patients with independent review and statistical modeling.** *ISCoS 2006.*
4. Miyanji F, Furlan J, Aarabi B, Fehlings MG. **Correlation of MR Findings with Neurological Outcome in Patients with Acute Cervical Traumatic Spinal Cord Injury: A Prospective Study in 103 Consecutive Patients.** *American Academy Neurosurgeons 2006.*
5. Miyanji F, Furlan J, Aarabi B, Fehlings MG. **Correlation of MR Findings with Neurological Outcome in Patients with Acute Cervical Traumatic Spinal Cord Injury: A Prospective Study in 103 Consecutive Patients.** *North American Spine Society, 2006.*
6. Miyanji F, Furlan J, Aarabi B, Fehlings MG. **Correlation of MR Findings with Neurological Outcome in Patients with Acute Cervical Traumatic Spinal Cord Injury: A Prospective Study in 103 Consecutive Patients.** *International Meeting on Advanced Spinal Techniques, 2006.*
7. Miyanji F, Furlan J, Aarabi B, Fehlings MG. **Correlation of MR Findings with Neurological Outcome in Patients with Acute Cervical Traumatic Spinal Cord Injury: A Prospective Study in 103 Consecutive Patients.** *Canadian Spine Society Meeting, 2006.*
8. Miyanji F, Newton PO, Perry A, Vanvalin S, Pawlek J. **Analysis of the Lenke 1A Curve Classification: Defining 2 Sub-Types Based on L4 Tilt.** *33rd Annual David Sutherland Pediatric Orthopaedic Visiting Professor Day, 2006.*
9. Miyanji F, Mahar A, Oka R, Wenger DR. **The Mechanical Properties of the Ligamentum Teres: A Pilot Study to Assess its Potential for Improving Post-operative Hip Stability in DDH.** *33rd Annual David Sutherland Pediatric Orthopaedic Visiting Professor Day, 2006.*
10. Miyanji F, Mahar A, Oka R, Pring M, Wenger DR. **Biomechanical Comparison of Fully versus Partially-Threaded Cancellous Screws for the Treatment of Slipped Capital Femoral Epiphysis.** *33rd Annual David Sutherland Pediatric Orthopaedic Visiting Professor Day, 2006.*
11. Miyanji F, Latham W, Rampersaud YR, Lewis SJ, Zhang S. **A Comparison of functional outcomes in patients**

12. Miyanji F, Lewis SJ. **Surgical Options for the treatment of metastatic lesions of the upper cervical spine.** *Canadian Spine Society Meeting, 2005.*
13. Miyanji F, Furlan J, Aarabi B, Fehlings MG. **Correlation of MR Findings with Neurological Outcome in Patients with Acute Cervical Traumatic Spinal Cord Injury: A Prospective Study in 103 Consecutive Patients.** *3RD Annual AO Spine North America Fellows Conference, 2005.*
14. Miyanji F, Fisher CG, Dvorak M, Wing P. **Flexion-Distractio Injuries of the Thoracolumbar Spine: Health-Related Quality of Life and Radiographic Outcomes.** *Canadian Spine Society Meeting, 2003.*
15. Miyanji F, Jarvis JG. **Adolescent Idiopathic Scoliosis: Rotational Correction Using Anterior TSRH Instrumentation.** *Canadian Orthopaedic Association Meeting, 1998.*
16. Miyanji F, Jarvis JG. **Adolescent Idiopathic Scoliosis: Rotational Correction Using Anterior TSRH Instrumentation.** *Stanley Mercer Annual Research Symposium, 1998.*
17. Miyanji F, Rubin S. **Ultrasonography of the Neck in Childhood.** *Stanley Mercer Annual Research Symposium, 1997.*

Poster Presentations:

1. Miyanji F, Mahar A, Oka R, Pring M, Wenger DR. **Biomechanical Comparison of Fully versus Partially-Threaded Cancellous Screws for the Treatment of Slipped Capital Femoral Epiphysis.** *ORS Meeting, 2007.*
2. Miyanji F, Newton PO, Perry A, Vanvalin S, Pawlek J. **Analysis of the Lenke 1A Curve Classification: Defining 2 Sub-Types Based on L4 Tilt.** *Scoliosis Research Society Meeting, 2006.*
3. Miyanji F, Newton PO, Perry A, Vanvalin S, Pawlek J. **Analysis of the Lenke 1A Curve Classification: Defining 2 Sub-Types Based on L4 Tilt.** *International Meeting on Advanced Spinal Techniques, 2006*
4. Miyanji F, Furlan J, Aarabi B, Fehlings MG. **Correlation of MR Findings with Neurological Outcome in Patients with Acute Cervical Traumatic Spinal Cord Injury: A Prospective Study in 103 Consecutive Patients.** *Congress of Neurological Surgeons 55th Annual Meeting, 2005.*
5. Miyanji F, Govender P, Lewis SJ. **Anterior Column Reconstruction in the Treatment of Metastatic Lesions of the Upper Cervical Spine.** *International Meeting on Advanced Spinal Techniques, 2005.*
6. Miyanji F, Fisher CG, Dvorak M, Wing P. **Flexion-distractio Injuries of the Thoracolumbar Spine: Health-Related Quality of Life and Radiographic Outcomes.** *Canadian Orthopaedic Association Meeting, 2003.*
7. Miyanji F, Fisher CG, Dvorak M, Wing P. **Flexion-distractio Injuries of the Thoracolumbar Spine: Health-Related Quality of Life and Radiographic Outcomes.** *ISSLS Meeting, 2003.*

Publications:

1. Miyanji F, Mahar A, Oka R, Newton PO. **Biomechanical Differences between Transfacet and Lateral Mass Screw-Rod Constructs for Multilevel Posterior Cervical Spine Stabilization.** *Spine – in press.*
2. Miyanji F, Newton PO, Perry A, Vanvalin S, Pawlek J. **Analysis of the Lenke 1A Curve Classification: Defining 2 Sub-Types Based on L4 Tilt.** *Spine – in press.*
3. Wenger DR, Mubarak SJ, Henderson PC, Miyanji F. **Ligamentum teres maintenance and transfer as a stabilizer in open reduction for pediatric hip dislocation:surgical technique and early clinical results.** *Journal of Childrn's Orthopaedics, DOI:10.1007/s11832-008-0103-3.*
4. Miyanji F, Mahar A, Oka R, Pring M, Wenger DR. **Biomechanical Comparison of Fully versus Partially-Threaded Cancellous Screws for the Treatment of Slipped Capital Femoral Epiphysis.** *Journal of Paediatric Orthopaedics, Jan:28(1): 49-52, 2008.*

5. Miyanji F, Mahar A, Oka R, Wenger DR. **The Mechanical Properties of the Ligamentum Teres: A Pilot Study to Assess its Potential for Improving Post-operative Hip Stability in DDH.** *Journal of Paediatric Orthopaedics, Jun;27(4):408-10, 2007.*
6. Miyanji F, Furlan J, Aarabi B, Fehlings MG. **Correlation of MR Findings with Neurological Outcome in Patients with Acute Cervical Traumatic Spinal Cord Injury: A Prospective Study in 103 Consecutive Patients.** *Radiology, Jun;243(3):820-7, 2007.*
7. Furlan J, Miyanji F, Bizhan A, Arnold P, Fehlings MG. **Correlation of Qualitative and Quantitative MRI Findings with neurological outcome after c-spine trauma: a multi-center prospective study of 100 patients with acute cervical spinal cord injury.** *The Spine Journal, 6(5): 59S – 60S.*
8. Miyanji F, Fisher CG, Dvorak M, Wing P. **Flexion-distraction Injuries of the Thoracolumbar Spine: Health-Related Quality of Life and Radiographic Outcomes.** *J of Spinal Cord Injury Rehab. Jun 12(1): 58-69.*
9. Jarvis JG, Miyanji F. **Fractures of the Adolescent Tibia: Ipsilateral Triplane and Tibial Shaft Fractures.** *J of Trauma, injury, infection, and critical care, Oct 2001.*

COURSES AND MEETINGS

Apr 2008	Spinal Deformity Summit Meeting
Dec 2007	Canadian Pediatric Spinal Deformity Study Group Meeting
Nov 2007	Depuy Spine Deformity Peer-to-Peer Meeting – Invited Faculty
Apr 2007	Pediatric Spinal Deformity: On the Cutting Edge
Aug 2006	Techniques in MIS Spine Surgery
Mar 2006	Canadian Spine Society
Nov 2005	Scoliosis Research Society Meeting
Mar 2005	3 rd Annual AO Spine North America Fellows Conference
Apr 2005	Depuy Spine Pre-Fellows Hands-on Workshop
May 2005	AO ASIF Challenges and Complications in Complex Spine Surgery Symposium
May 2002	Advanced Techniques in Spinal Surgery, ASIA
May 2002	IMSOP & ASIA Joint Meeting

PROFESSIONAL MEMBERSHIPS

2007	Associate Member Harms Deformity Spine Study Group
2007	Candidate Member Scoliosis Research Society – in process
2007	Canadian Paediatric Spinal Deformity Study Group
2006	Paediatric Orthopaedic Society of North America
2006	Canadian Spine Society
2004	British Columbia Medical Association