

Curriculum Vitae

R. DOUGLAS ORR, MD., FRCSC

OFFICE ADDRESS

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MEDICAL LICENCES

September 1996-Present

General Medical License,
The College of Physicians & Surgeons of Ontario

March 2003-Present

Ohio State Medical License

EDUCATION

Degrees, Diplomas and Certifications

June 1985

Bachelor of Science, Honours
Physiology and Pharmacology University of Western Ontario

June 1989

MD, University of Toronto
Faculty of Medicine

July 1990-June 1996

Residency, University of Toronto
The Wellesley Hospital, University of Toronto
Toronto, Canada

Ontario June 1990

Certificate of Registration
The Medical Council of Canada

September 1996

FRCS(C) Fellow, Royal College of Surgeons
Royal College of Physicians & Surgeons of Canada

July 1996-June 1997

Spine Fellow, The Toronto Hospital
University of Toronto

August 1997-July 1998

Spine Fellow, University of Wisconsin
University Hospital of Clinics

July 1999 **Member**, Canadian Orthopaedic Association

July 2002 **Board Certified**,
Ohio Medical Board

CURRENT POSITION

March 2003-Present **Staff**, Cleveland Clinic Foundation
The Cleveland Clinic Spine Institute (C.C.S.I.)
Cleveland, Ohio

March 2003-Present **Director**, West Side Spine Program
Lutheran Hospital Cleveland, Ohio

PREVIOUS POSITIONS

Active Staff, Division of Orthopaedic Surgery
Hamilton Health Sciences Corporation Hamilton General Division

Assistant Clinic Professor of Surgery, MacMaster University

Site Chief of Orthopaedics,
Hamilton General Site Hamilton Health Sciences Corporation

Site Chief of Surgery,
Hamilton General Site Hamilton Health Sciences Corporation

Coordinator, In-Patient Spinal Cord Injury Unit
Hamilton General Hospital

Developer and Coordinator, Academic Half-Day curriculum Orthopaedic
Residency training program MacMaster University

Academic Advisor, Undergraduate Medical Student MacMaster University

Member, Editorial Board
The Journal of spinal Disorders and Techniques

PRACTICE INTERESTS

Adult spinal surgery including minimally invasive surgery and deformity surgery: Trauma surgery.

RESEARCH INTERESTS:

Outcomes in Spinal Surgery, Spinal Biomechanics, Biomaterials

PUBLICATIONS

Orr, RD, Thomas SA, Intradural migration of a broket IDET catheter. A case report. Accepted for publication in J of Spine Disorders and Techniques.

Orr, RD. Treatment of osteoporotic vertebral compression fractures with vertebral augmentation: Vertebroplasty and Kyphoplasty; Contemporary Spine Surgery. Volume 5(4) April 2004 29-34.

Orr, RD. Comment of the External Fixator. J of Spine Disorders and Techniques 17(1) Feb 2004:15.

Petrisor, BA Bhandari, M., **Orr, RD.,** Mandel, S, Kwok, DC., Schemitsch, EH. Improving reliability in the classification of fractures of the acetabulum. Arch Orthop Trauma Surg. 2003 Apr 26.

Drew B., Bhandari M., **Orr RD.,** Reddy K., Dunlop B. Surgical preference in anterior cervical discectomy: A National Survey of Canadian Spine Surgeons. J of Spine Disorders and Techniques. Volume 15(6) December 2002: 454-7.

Drew B., **Orr RD.** Operative versus non-operative treatment of Odontoid fractures in the elderly. Proceedings of the Canadian Spine Society March 20-23 Vernon BC

Lieberman, IH., **Orr, RD.,** Kreatschmer, BT., and Salo, PT. Results of simultaneous endoscopic transthoracic release and posterior fusion for spinal deformity. Spine 25(17)2251-7 Sept 1, 2000

Mihara, H., Cheng, BC., **Orr, RD.,** and Zdeblick TA. Tapered interbody fusion cage for lumbar spondylolysis; A Biomechanical Study. Proceedings of The 14th Annual Meeting of the North American Spine Society. Oct 1999.

David, SM, David, SC., **Orr, RD.,** Zdeblick, TA. Prospective comparison of the cervical lordotic interbody fusion cages versus plated ACDF for single level fusion. Proceedings of The Cervical Spine Research Society Meeting. Dec 1999.

Orr, RD., and Zdeblick, TA. Cervical Spondylotic Myelopathy: Approaches to surgical treatment. Clinical Orthopaedics and Related Research Number 359 58-66. Feb 1999

Orr, RD and P.T. Salo Atlanto-axial instability complicating repeat radiation therapy for nasopharyngeal carcinoma: A case report. Spine June 15, 1998.

Orr, RD., deBruijn, JD., and Davies, JED. Scanning electron microscopy of the bone interface with titanium, titanium alloy, and hydroxyapatite cells and materials. 1992 Vol.2 No.3. 241-251.

Orr, RD., The Impact of a Coroners Inquest on a Witness Proceedings of the Educational Course for Coroners. Toronto, Ontario. October 1987 Ministry of the Solicitor General Toronto, Ont.

Orr, RD., Hebert, M. and Adeblick, TA. A radiographic comparison of plated versus unplated fusions in 1 level anterior cervical decompression and fusion. Presented at the Cervical Spine Research Society Annual Meeting. December 1998

Orr, RD., Andres, B., Pittman, G. and Zdeblick, TA., Results of Anterior Spinal Fusion with the Tapered Interbody Fusion (TIF) Device: One Year Clinical and Radiographic Follow-Up. Presented at the North American Spine Society Annual Meeting. October 1998

Orr, RD., Cheng, BC., Mihara, H. and Zdeblick, TA. Spinal Stability after Thoracic Discectomy: A Biomechanical Study, Poster presented at North American Spine Society Annual Meeting. October 1998.

Orr, RD. and McBroom, R. Surgery for primary vertebral osteomyelitis: A comparison of three fusion techniques. Poster presented at the North American Spine Society Annual meeting. November 1997

Lieberman, IH., **Orr, RD.**, Kreatshmer, BT and Salo, PT. Results of simultaneous endoscopic transthoracic release and posterior fusion for spinal deformity. Presented at the COA meeting. June 1997 and at The North American Spine Society Meeting . New York 1997.

Xie, A., Takasaki, Y., Popkin, J., **Orr, RD** and Braadley, TD. Influence of body position on pressure and airflow generation during hypoxia and hypercapnia in man. *J of Physiology* 1993 465, 477-487.

Xie, A., Takasaki, Y., Popkin, J., **Orr, RD** and Braadley, TD. Chemical and postural influences on scalene and diaphragmatic activation in humans. *J. Applied Physiology*. Feb 1991 658-664.

Takasaki, Y., **Orr, RD.**, Popkin, J., and Bradley, TD. Effect of continuous positive airway pressure on sleep apnea in congestive heart failure. *Am Review of Respiratory Disease* 1989; 140: 1578-1584

Takasaki, Y., **Orr, RD.**, Popkin, J., and Bradley, TD. Effect of hypercapnia and hypoxia on respiratory muscle activation in humans. *Journal of Applied Physiology* 1989 67; 1776-1784.

AWARDS AND SCHOLARSHIPS

October 2001	Silver Hip Award – Outstanding Resident Teacher. Sunnybrook Health Science Centre, Department of Surgery
June 1995	A.W. Harrison Award – Outstanding Resident Teacher Sunnybrook Health Science Centre, Department of Surgery
June 1994	Robin Sullivan Award – Excellence in Orthopaedic Research Awarded for best resident research presentation University of Toronto Orthopaedic Research Day
1991-92 and 1992-93	Surgeon Scientist Program University of Toronto funding for research projects.
1986-1987	Medical Research Council of Canada Summer Studentships

TEACHING EXPERIENCE

Member of the AO/ASIF North American Spine Faculty. Appointed November 2000.

May 19-25, 2004	Faculty, Cleveland Clinic Spine Hands-on Review
February 19-22, 2004	Faculty, Advanced Concepts in Management of Spinal Disorders. AO north American Spine, Sun Valley, Idaho
October 17,18, 2003	Orthopaedics for the Primary Care Physician Cleveland Clinic Foundation (CME) “Diagnosis and Treatment of Pathologic Spinal Lesions”
September 12, 2003	McMaster Universityh Spine Course Minimally Invasive Spine Surgery: Kyphoplasty and Vertebroplasty
August 14-20, 2003	Faculty, Cleveland Clinic Spine Review
August 7-10, 2003	Faculty, AO Comprehensive and Interactive Spine Course Quebec City.

April 4-6, 2003	Faculty, American Academy of Orthopaedic Surgeons Minimally Invasive Spine Course, St. Louis, Mo.
April 18-21, 2002	Faculty AO Basic and Advanced Spine Courses. Coronado, Ca.
September 6-9, 2001	Faculty, AO Basis and Advanced Spine Surgery Courses Marco Island, FL.
May 4-5, 2001	Course Chairman, Less Invasive Spinal Surgery Course; Centre for Minimal Access Surgery MacMaster University
February 2-3, 2001	Invited Guest Speaker, Jamaican Orthopaedic Association 6 th Annual Symposium.
November 2000	Member, AO/ASIF North American Spine Faculty Appointed.
November 2000	Faculty, "The Lumbar Spine A Physiotherapy Perspective" University of Toronto Continuing Medical Education Course.
October 1999	Faculty, "Annual Day in Trauma" Combined Course MacMaster University and University of Western Ontario Continuing Medical Education Course
August 1999	Instructor, at The AO/ASIF Spine Course for Operating Room Personnel Toronto
November 1998	Faculty, American Academy of Orthopaedic Surgeons Instructinoal Course. "Contemporary Issues in Advanced Spinal Surgery" Rosemont IL
November 1997	Instructor, at the American Academy of Orthopaedic Surgeons Instructional Course. "Practical Strategies in Spine Surgery: Current Applications and Techniques" Rosemont, IL.
May 1997	Instructor, The Second Toronto Endoscopic Spine Surgery Symposium.
May 1996	Instructor, Toronto Endoscopic Spine Surgery Symposium.

OUTSIDE APPOINTMENTS

September 1994	Examiner for the Medical Concil of Canada Qualifying Exam five year appointment
1987 to 1993	Medical Advisor for to the First Aid Services Committee Royal Lifesaving Society – Ontario Branch. Recipient of the Certificate of Thanks Awarded by the Royal Lifesaving Society for Ongoing Contributions to the Society.