

## Curriculum Vitae

### **Robert G. Johnson, M.D.**

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#### **Education:**

##### ***Master of Science, Experimental Surgery* – 1984**

McGill University  
Montreal, Canada

##### ***Research Fellowship* – 1982 to 1984**

Joint Diseases Laboratory  
Shiners Hospital for Children  
Montreal, Canada

##### ***Residency* – 1977 to 1981**

- Orthopedic Surgery  
Toronto East General Hospital  
Hospital for Sick Children  
Wellesley Hospital  
Chief Orthopaedic Resident - 1981  
Toronto, Canada
- Plastic Surgery  
Sunnybrook Medical Centre  
Toronto, Canada
- Cardiovascular Surgery  
Toronto General Hospital  
Toronto, Canada
- Respiratory ICU  
Toronto General Hospital  
Toronto, Canada
- General Surgery  
Wellesley Hospital  
Toronto, Canada

##### ***Internship* – 1976 to 1977**

St. Michael's Hospital  
Toronto Canada

***Doctor of Medicine*** – 1976

University of Toronto  
Ontario, Canada

***Bachelor of Science*** – 1972

University of Guelph  
Ontario, Canada

**Medical Licensure:**

Texas #G7249  
12/2/1984 to Present

Quebec, Canada #83-006  
1/13/1983 to 1993

**Certification:**

American Board of Orthopaedic Surgery  
1986 – Recertified in 1996, 2006, 2020 to 2030.

American Board of Spinal Surgery  
1999 – Recertified in 2003 to 2013.  
*Recertification in progress.*

**Clinical Practice:**

Neurosurgical Associates of San Antonio, P.A.  
San Antonio, Texas  
1996 – Present

South Texas Orthopaedic & Spinal Surgery Associates  
San Antonio, Texas  
1989 – 1996

Attending Orthopaedic Surgeon  
R.H. Dedman Medical Centre  
Dallas, Texas  
1984 – 1989

Texas Back Institute  
Dallas, Texas  
1984 – 1987

Consulting Orthopaedic Surgeon  
Plano General Hospital  
Plano, Texas  
1984 – 1989

Consulting Orthopaedic Surgeon  
Trinity Medical Center  
Carrollton, Texas  
1984 – 1989

Metro Medic Clinic  
Montreal, Canada  
1983 – 1984

**Hospital Affiliations:**

- Southwest Texas Methodist Hospital
- Methodist Specialty & Transplant Hospital
- Metropolitan Methodist Hospital
- Legent Orthopedic & Spine Hospital

**Professional Appointments:**

***Assistant Clinical Professor***  
Department of Orthopaedics  
University of Texas Health Science Center  
San Antonio, Texas  
1989 – Present

***Chairman***  
American Board of Spine Surgery  
2005 – 2008

***Oral Examiner***  
American Board of Spine Surgery  
2004 – 2008

***Member, Credentials Committee***  
American Board of Spine Surgery  
2002 – 2008

***Chairman***  
Department of Orthopaedic Surgery  
St. Luke's Baptist Hospital  
San Antonio, Texas  
1994 – 1995

***Vice-Chairman***  
Department of Orthopaedic Surgery  
St. Luke's Baptist Hospital  
San Antonio, Texas  
1993 – 1994

***Medical Director***

Texas Back Institute Research Foundation  
Plano, Texas  
1987

***Assistant Clinical Professor***

Department of Orthopaedics  
University of Texas Health Science Center  
Dallas, Texas  
1985 – 1989

***Lecturer***

Department of Physical & Occupational Therapy  
McGill University  
Montreal, Quebec, Canada  
1983 – 1984

***President***

Orthopaedic Residents' Association  
Toronto, Canada  
1981 – 1982

***Instructor of Anatomy***

University of Toronto  
Ontario, Canada  
1977

**Professional Memberships:**

- American Academy of Orthopaedic Surgeons
- American Board of Spine Surgery
- American College of Surgeons
- Bexar County Medical Society
- North American Spine Society
- Texas Medical Association

**Honors and Awards:**

Gallie-Bateman Prize for Surgical Research  
Toronto, Canada  
1982

Best Paper  
Orthopaedic Residents' Conference  
London, Ontario, Canada  
1979

Best Technical Paper  
Laboratory Animal Sciences  
Ottawa, Canada  
1978

**Publications:**

1. **Johnson RG.** Bone Marrow Concentrate Equivalent to Autograft in Lumbar Fusions. Spine. Volume 39:9, 695-700. 2014.
2. **Johnson RG.** T-Coupler: A Method of In Situ Coupling of Plate-Plate and Rod-Plate: A Technical Report. Spine. Volume 6, 450-454. 2006.
3. **Johnson RG.** Lumbar Spine Fusion. Orthopedics. Volume 26:8, 756. 2003 (Letter to the Editor).
4. **Johnson RG.** A Modified VSP Screw: Two-Year Experience. J Spinal Disorders & Techniques. Volume 16:3, 268, 2003.
5. **Johnson RG.** Electrical Stimulation and Lumbar Spinal Fusion. Orthopedics. Volume 24:2, 87, 2001 (Letter to the Editor).
6. **Johnson RG.** Venous Thrombosis after THA. Orthopedics. Volume 15, 476, 1999 (Letter to the Editor).
7. Valdez DC, **Johnson RG.** Role of Technetium-88m Planar Bone Scanning in the Evaluation of Low Back Pain. Skeletal Radiology. Volume 23, 91-97, 1994.
8. **Johnson RG.** Septic Arthritis of the Hip by Direct Spread from a Lumbar Vertebral Osteomyelitis. Neuro-Orthopaedics. Volume 15, 51-58, 1993.
9. Dean SM, Hall BB, **Johnson RG.** An Analysis of Lumbar Fusions with and without VSP Internal Fixation: A Retrospective Study Neuro-Orthopaedics. Volume 13, 85-93, 1992.
10. **Johnson RG.** Non-Iatrogenic Fusion of the Lumbar Spine: A Review Article. Neuro-Orthopaedics. Volume 13, 69-83, 1992.
11. **Johnson RG.** War in Croatia. J. Trauma (Letter to the Editor).
12. **Johnson RG** (Editor). Blood Loss in Spinal Surgery: Prevention and Replacement. Spine: State of Art Reviews. Philadelphia, Hanley and Belfus, Inc. 1991.

13. McNamara MG, Garcia FJ, **Johnson RG**. Blood Loss in Lumbar Surgery: Prevention and Replacement Spine: State of Art Reviews Volume 5, 53-66, 1991. Presented at the 1991 NASS Meeting in Keystone, Colorado.
14. **Johnson RG**. Blood Loss in Spine Surgery: Is There a Problem? Spine: State of Art Reviews, Volume 5, 1-6, 1991. Presented at the 1991 NASS Meeting in Keystone, Colorado.
15. **Johnson RG**. Use of Blood in Spine Surgery. NASS News. Volume 4, 4, 1990.
16. **Johnson RG**, Murphy JM. The Role of Desmopressin in Reducing Blood Loss During Lumbar Fusions. Surgical Gynecology Obstetrics. Volume 171, 223-226, 1990. Presented at the 1990 NASS Meeting in Monterey, California.
17. **Johnson RG**, Poole AR. The Early Response of Articular Cartilage to ACL Transection in a Canine Model. Exp. Pathol. Volume 38, 37-52, 1990. Presented at the Orthopedic Research Society, Atlanta, Georgia, 1990.
18. **Johnson RG**. MacNab's Traction Spur Revisited. Neuro-Orthopaedics. Volume 7, 9293, 1989.
19. **Johnson RG**, Murphy M, Miller M. Fusions and Transfusions: An Analysis of Blood Loss and Autologous Replacement During Lumbar Fusions. Spine. Volume 14, 358-362, 1989. Presented at the 1988 NASS Meeting in Colorado Springs, Colorado.
20. **Johnson RG**, Miller M, Murphy M. Intraspinous Narcotic Analgesia: A Comparison of Two Methods of Postoperative Pain Relief. Spine. Volume 14, 363-366, 1989. Presented at the 1988 NASS Meeting in Colorado Springs, Colorado.
21. **Johnson RG**. Does Discography Injury Normal Discs? An Analysis of Repeat Discograms. Spine. Volume 14, 424-426, 1989. Presented at the 1988 NASS Meeting in Colorado Springs, Colorado.
22. **Johnson RG**, Murphy M, Miller M. Cell Saver, Autologous Blood Recommended for Spine Fusions. Orthopaedics Today, Volume 9, 11, 1989.
23. Hochschuler SH, Guyer RD, Stith WJ, Ohnmeiss DD, Rashbaum RF, **Johnson RG**. Proplast Reconstruction of Iliac Crest Defects. Spine, Volume 13, 378, 1988. Presented at the 1987 NASS Meeting, Banff, Alberta, Canada.

24. Loquidice VA, **Johnson RG**, Guyer RD, Stith WJ, Ohnmeiss DD, Hochschuler SH, Rashbaum RF. Anterior Lumbar Interbody Fusion. Spine. Volume 13, 366, 1988. Presented at the 1987 NASS Meeting, Banff, Alberta, Canada.
25. Miller MD, **Johnson RG**, Naifeh J. Repair of Sternal Dehiscence Using a Harrington Compression System. Annals of Thoracic Surgery. Volume 45, 684-685, 1988.
26. **Johnson RG**, Poole AR. Degenerative Changes in Dog Articular Cartilage Induced by a Unilateral Tibial Valgus Osteotomy. Exp. Pathol., Volume 33, 145-164, 1988.
27. Sachs BL, Vanharanta H, Spivey MA, Guyer RD, Videman Tapio, Rashbaum RF, **Johnson RG**, Hochschuler SAH, Mooney Vert. Dallas Discogram Description – A New Classification of CT/Discography in Low Back Disorders. Spine. Volume 1:3, 288, 1987. Presented in part at the 1986 International Society for Study of the Lumbar Spine in Dallas, Texas and the 1986 NASS Meeting in Bolton Landing, New York.
28. Vanharanta H, Sachs BL, Spivey MA, Guyer RD, Hochschuler SH, Rashbaum RF, **Johnson RG**, Ohnmeiss D, Moonery Vert. The Relationship of Pain Provocation to Lumbar Disc Deterioration as Seen By CT/Discography. Spine, Volume 12:3, 295, 1987. Presented in part at the 1986 International Society for Study of the Lumbar Spine in Dallas, Texas.
29. **Johnson RG**. Transection of Canine Anterior Cruciate Ligament: A Concise Review of Experience with this Model of Degenerative Joint Disease. Exp. Pathol. Volume 30, 209-213, 1986.
30. **Johnson RG**, MacNab I. Localization of Symptomatic Lumbar Pseudarthrosis by Use of Discography. Clin. Orthop. Volume 187, 1640170, 1985.
31. **Johnson RG**. The Early Response of Cartilage Proteoglycans to Anterior Cruciate Transection and Valgus Deformity at the Knee – A Comparison of Two Dog Models of Cartilage Degeneration. Thesis for the Degree of Master of Science, Department of Exp. Surg., McGill University of Montreal.
32. **Johnson RG**, Weber C, Roughley PJ, Rosenberg LC, Poole AR. Changes in Proteoglycan Distribution in Experimental Degenerative Arthritis. Ortho. Trans, Volume 8:2, 263, 1984.
33. **Johnson RG**, Schatzker J. Fracture-Dislocation of the Ankle with Anterior Dislocation of the Fibula. J. Traum. Volume 23, 420, 1983.
34. **Johnson RG**, Herbert MA, Wright CS, Offierski C, Kellam J, Goodman S, Bobechko WP. The Response of Articular Cartilage to the In Vivo Replacement of Synovial Fluid with Saline. Clin. Orthop., Volume 174, 285, 1983. Presented at the 1979

Canadian Orthopaedic Residents' Meeting, London and the 1980 A.O.A. Residents' Meeting, Oklahoma City, Oklahoma.

**35. Johnson RG**, Simmons EH. Discoid Medial Meniscus. *Clinical Orthopaedics*. Volume 167, 176, 1982.

**36. Johnson RG**, Stollery J, Keeley FW, Herbert MA. Biochemical Analysis of Rabbit Articular Cartilage Using an Amino Acid Analyzer, *Clinical Orthopaedics*. Volume 146, 282, 1980. Presented at the 1980 Canadian Orthopaedic Residents' Meeting, Ottawa, Canada.

**37.** Kumar A, Wong DA, **Johnson RG**, Herbert MA, Salter RB. The Restraint of Rabbits in a Special Sling. *Lab. Anim. Sci.* Volume 29:4, 1979. Presented at the 1978 Canadian Association of Laboratory Animal Sciences in Ottawa, Canada and the 1978 American Association of Laboratory Animal Sciences in New York, New York.

**38. Johnson RG**, Bobechko WP, Herbert MA, Wright CS, Offierski C, Kellam J. The Effects of Continual Saline Irrigation on Articular Cartilage. *Ortho. Trans.* Volume 2:1, 293, 1978. Presented at the 1978 Canadian Orthopaedic Research Society in Vancouver, Canada.

#### **Poster Presentation:**

Swann KW, Saunders AE, **Johnson RG**, Swann MC. Radiologic Evaluation of Cervical Nitinol Staples in a Goat Model. AANS/CNS Section on Disorders of the Spine and Peripheral Nerves. Orlando, February 2008.