

# Curriculum Vitae

## Julio Cesar Furlan

### Associate Research Scientist

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### Adjunct Scientist

Department of Physical Medicine and Rehabilitation,  
Toronto Rehabilitation Institute, University of Toronto

## Education

Degree	University	Date
<b>M.Sc.</b> (Clinical Epidemiology)	University of Toronto, Toronto, Canada	2004-2006
<b>Ph. D.</b> (Neuroanatomy of larynx)	Department of Surgery, University of São Paulo, São Paulo, Brazil	1994 –1999
<b>M. B. A.</b> (Health care system)	Business School, Getúlio Vargas Foundation, São Paulo, Brazil	1994-1999
<b>LL. B.</b>	Mackenzie University, São Paulo, Brazil	1994-1999
<b>M. D.</b>	University of São Paulo, São Paulo, Brazil	1983-1988

- **Specialization in Head and Neck Surgery** – University Hospital, Faculty of Medicine, University of São Paulo, São Paulo, Brazil, February 1992 to January 1994.
- **Post-Graduate Diploma in Occupational Medicine** – São Francisco University, São Paulo, Brazil, 1993.
- **Post-Graduate Diploma in Hospital Administration and Health Systems** - Business Administration School, Getúlio Vargas Foundation and University Hospital, Faculty of Medicine, University of São Paulo, São Paulo, Brazil, 1993.
- **Hospital Administration and Health Systems - Preventive Medicine Residency Program** - University Hospital of the Faculty of Medicine, University of São Paulo, Brazil, São Paulo, February 1991 to January 1992.
- **Specialization in General Surgery** - University Hospital of the Faculty of Medicine, University of São Paulo, São Paulo, Brazil, February 1989 to January 1991.

## PUBLICATIONS

1. **Furlan JC**, Perrin R, Govinder PV, Petrenko Y, Massicotte EM, Rampersaud YR, Lewis S, Fehlings MG. Use of Osteogenic Protein-1 in patients at high risk for spinal pseudoarthrosis: A prospective cohort study assessing safety, health-related quality of life and radiographic fusion. *JOURNAL OF NEUROSURGERY: SPINE* 2007; 7(5):486-495.
2. Fehlings MG, **Furlan JC**. Effect of age on spinal cord injury. [Editorial]. *JOURNAL OF NEUROSURGERY: SPINE* 2007; 7(3):275-6.
3. **Furlan JC**, Fehlings MG, Massicotte EM, Aarabi B, Vaccaro AR, Bono CM, Madrazo I, Villanueva C, Grauer JN, Mikulis D. A quantitative and reproducible method to assess cord compression and canal stenosis after cervical spine trauma: A study of inter-rater and intra-rater reliability. *SPINE* 2007; 32(19):2083-2091.
4. **Furlan JC**, Fehlings MG. Role of screening tests for deep venous thrombosis in asymptomatic adults with acute spinal cord injury: An evidence-based analysis. *SPINE* 2007; 32(17):1908-16.
5. **Furlan JC**, Fehlings MG. The optimal treatment options for severe neurogenic bowel dysfunction following spinal cord injury: An analytical decision analysis. *BRITISH JOURNAL OF SURGERY* 2007; 94(9):1139-50.
6. **Furlan JC**, Bedard YC, Rosen IB. Significance of tumor capsular invasion in well-differentiated thyroid carcinomas. *THE AMERICAN SURGEON* 2007; 73(5):484-91.
7. Miyanji F, **Furlan JC**, Aarabi B, Arnold PM, Fehlings MG. Correlation of MRI findings with neurological outcome in patients with acute cervical traumatic spinal cord injury: A prospective study in 100 consecutive patients. *RADIOLOGY* 2007;243(3):820-7.
8. **Furlan JC**, Krassioukov AV, Fehlings MG. Hematological abnormalities within the first week after acute isolated traumatic cervical spinal cord injury: A case control cohort study. *SPINE* 2006;31(23):2674-2683.
9. Fehlings MG, **Furlan JC**, Massicotte E, Arnold P, Aarabi B, Harrop J, Anderson DG, Bono CM, Dvorak M, Fisher C, France J, Hedlund R, Madrazo I, Nockels R, Rampersaud R, Rechtine G, Vaccaro AR, and Spinal Trauma Study Group. Interobserver and intraobserver reliability of maximum canal compromise and spinal cord compression for evaluation of acute traumatic cervical spinal cord injury. *SPINE* 2006;31(15):1719-25.
10. **Furlan JC**, Fehlings MG. A web-based systematic review on traumatic spinal cord injury comparing the "citation classics" with the consumers' perspectives. *JOURNAL OF NEUROTRAUMA* 2006;23(2):156-69.
11. **Furlan JC**, Krassioukov AV, Fehlings MG. Effects of gender on clinical and neurological outcomes after acute cervical spinal cord injury. *JOURNAL OF NEUROTRAUMA* 2005;22(3):368-81.
12. **Furlan JC**, Fehlings MG, Shannon P, Norenberg MD, Krassioukov AV. Descending vasomotor pathways in humans: Correlation between axonal preservation and cardiovascular dysfunction after spinal cord injury. *JOURNAL OF NEUROTRAUMA* 2003;20(12): 1351-64.
13. **Furlan JC**, Fehlings MG, Halliday W, Krassioukov AV. Autonomic dysreflexia in a patient with intramedullary pilocytic astrocytoma. *THE LANCET ONCOLOGY* 2003; 4(9): 574-5.
14. Krassioukov AV, **Furlan JC**, Fehlings MG. Autonomic dysreflexia in acute spinal cord injury: An under-recognized clinical entity. *JOURNAL OF NEUROTRAUMA* 2003;20(8):707-16.
15. Krassioukov AV, **Furlan JC**, Fehlings MG. Medical co-morbidities, secondary complications, and mortality in elderly with acute spinal cord injury. *JOURNAL OF NEUROTRAUMA* 2003;20(4):391-9.
16. **Furlan JC**, Bedard YC, Rosen IB. Single versus sequential fine-needle aspiration biopsy in management of thyroid nodular disease. *CANADIAN JOURNAL OF SURGERY* 2005;48(1):12-8.

17. **Furlan JC**, Bedard YC, Rosen IB. Role of fine-needle aspiration biopsy and frozen section in the management of papillary thyroid carcinoma subtypes. *WORLD JOURNAL OF SURGERY* 2004;28(9):880-5.
18. **Furlan JC**, Bedard YC, Rosen IB. Clinicopathologic significance of histologic vascular invasion in papillary and follicular thyroid carcinomas. *JOURNAL OF THE AMERICAN COLLEGE OF SURGEONS* 2004;198:341-8.
19. **Furlan JC**, Rosen IB. Prognostic relevance of previous exposure to ionizing radiation in the management of well-differentiated thyroid cancer. *LANGENBECK'S ARCHIVES OF SURGERY* 2004;389(3):198-203.
20. **Furlan JC**, Cordeiro AC, Brandão LG. Study of some "intrinsic risk factors" that enhance an iatrogenic injury of the external branch of the superior laryngeal nerve. *OTOLARYNGOLOGY - HEAD AND NECK SURGERY* 2003;128:396-400.
21. **Furlan JC**, Brandão LG, Rodrigues Junior AJ, Ferraz AR. Surgical anatomy of extralaryngeal aspect of superior laryngeal nerve. *ARCHIVES OF OTOLARYNGOLOGY – HEAD AND NECK SURGERY* 2003;129:79-82.
22. **Furlan JC**, Brandão LG, Ferraz AR. Prevalence and significance of the Galen's anastomosis: an anatomical study. *JOURNAL OF OTOLARYNGOLOGY* 2002;116:823-5.
23. **Furlan JC**, de Magalhães RP, de Aguiar ET, Shiroma S. Localization of the superior laryngeal nerve during carotid endarterectomy. *SURGICAL AND RADIOLOGIC ANATOMY* 2002;24:190-3.
24. **Furlan JC**. Sympathetic fiber origin of superior laryngeal nerve: an anatomic study. *CLINICAL ANATOMY* 2002;15:271-5.
25. **Furlan JC**. Anatomical study applied to anaesthetic block technique of the superior laryngeal nerve. *ACTA ANAESTHESIOLOGICA SCANDINAVICA* 2002;46:199-201.
26. **Furlan JC**, Bedard Y, Rosen IB. Biological basis for the treatment of microscopic, occult well-differentiated thyroid cancer. *SURGERY* 2001;130:1050-4.
27. Aguiar ET, Albers MT, Langer B, Fratezi AC, **Furlan JC**. Surgical treatment of infections in arterial prosthesis of aorto-femoral position. *REVISTA DO HOSPITAL DAS CLÍNICAS DA FACULDADE DE MEDICINA DA UNIVERSIDADE DE SÃO PAULO* 1993;48:76-81.
28. Aguiar ET, Campos Junior W, Toledo JV, Lobato AC, Basseto FL, **Furlan JC**. Illio-femoral venous thrombectomy: analysis of three cases. *REVISTA DO COLÉGIO BRASILEIRO DE CIRURGIÕES* 1991;18:200-4.

## BOOK CHAPTERS

1. Kelleher MO, **Furlan JC**, Fehlings MG. Is Neuromonitoring Beneficial During Spinal Surgery? In: Evidence-Based Orthopaedics (Wright JR, Ahn H, Graham B, Howard A, Kreder H, Lau JT, Lin S, Mahomed NN, Whelan D). Elsevier, Toronto, Canada (In Press).
2. **Furlan JC**: Concurrent thyroid cancer and primary hyperparathyroidism. In: Thyroid and Parathyroid: Case Reports (Brandão LG). Mantiqueira, São Paulo, Brasil.
3. **Furlan JC**: Secondary carcinoma metastatic to the thyroid gland. In: Thyroid and Parathyroid: Case Reports (Brandão LG). Mantiqueira, São Paulo, Brasil.
4. **Furlan JC**, Brandão LG: Multidisciplinary team and surgical planning. In: Head and Neck Surgery (Brandão LG, Ferraz AR, eds). Roca, São Paulo, Brazil.
5. **Furlan JC**, Brandão LG: Metastatic lymph nodes in the neck: localization of the primary tumors. In: Head and Neck Surgery (Brandão LG, Ferraz AR, eds). Roca, São Paulo, Brazil.

**HONORS AND AWARDS**

- **Second Place Clinical Research Award** by the Cervical Spine Research Society's Research Committee, San Francisco, CA, November-December 2007.
- **First Place Award** for the highest ranked abstract on **Research** in the 15<sup>th</sup> Interurban Spinal Cord Injury Conference, Hamilton, ON, October 2007.
- **Second Place Basic Science Research Award** by the Cervical Spine Research Society's Research Committee, West Palm Beach, FL, November-December 2006.
- **First Place Award** for the highest ranked abstract on **Patient Care** in the 2<sup>nd</sup> National Spinal Cord Injury Conference, Toronto, ON, October 2006.
- **First Place Award** for the highest ranked abstract on **Research** in the 2<sup>nd</sup> National Spinal Cord Injury Conference, Toronto, ON, October 2006.
- **Runner-up Award** for the second best oral presentation at the 2006 Toronto Western Research Institute Research Day, Toronto, Ontario, June 2006.
- **First Place Award** for the best presentation at the 2006 Toronto Western Hospital Clinical Research Half-Day, Toronto, Ontario, May 2006.
- **Travel Award** for the 8<sup>th</sup> International Neurotrauma Symposium, Rotterdam, The Netherlands, May 2006.
- **Travel Award** based on high ranked abstracts submitted to the 23<sup>rd</sup> Annual National Neurotrauma Society Symposium, Washington DC, November 2005.
- **Travel Award** for the 2005 Annual Scientific Meeting of the Canadian Society of Internal Medicine, Toronto, ON, November 2005.
- **Award of Merit in Clinical Research** for the second highest ranked poster in the 2004 Heart and Stroke Clinical Update, Heart and Stroke Foundation, Toronto, ON, December 2004.
- **The Neurocritical Care Prize** for the best paper on neurocritical care presented in the 39<sup>th</sup> Canadian Congress of Neurological Science, Calgary, Alberta, June 2004.
- **First Place Award** for the best presentation at the 2004 Toronto Western Hospital Clinical Research Half-Day, Toronto, Ontario, June 2004.
- **Travel Award** for a high ranked abstract submitted to the 7<sup>th</sup> International Neurotrauma Symposium, Adelaide, Australia, September 2004.
- **Poster Award** for Excellence in Clinical Spine Research in the 2004 Annual Meeting of the American Association of Neurological Surgeons / CNS Section on Disorders of the Spine and Peripheral Nerves, San Diego, California, March 2004.
- **Award of Merit in Basic Science** for the second highest ranked poster in the 2003 Heart and Stroke Clinical Update, Heart and Stroke Foundation, Toronto, ON, December 2003.
- **Travel Award** for high ranked abstracts presented at the 2003 Canadian Diabetes Association/Canadian Society of Endocrinology and Metabolism, Ottawa, ON, October 2003.
- **Travel Award** based on high ranked abstracts presented in the 73<sup>rd</sup> Annual Meeting of the American Thyroid Association, Palm Beach, FL, September 2003.
- **2003 ISAN Prize** for the best clinical study presented in the 2003 Meeting of the International Society for Autonomic Neuroscience, Calgary, AB, July 2003.
- **2002 D. Harold Copp Young Investigator in Training Award** for the abstract in endocrinology and metabolism presented at the annual CDA/CSEM meeting, Vancouver, BC, 2002.
- **Travel Award** for high ranked abstracts presented at the 2002 Canadian Diabetes Association/Canadian Society of Endocrinology and Metabolism, Vancouver, BC, October 2002.
- **Travel Award** based on high ranked abstracts presented at the 73<sup>rd</sup> Annual Meeting of the American Thyroid Association, Washington, DC, September 2001.
- **Anísio Costa Toledo Prize** for outstanding Resident study in Head and Neck Surgery, XIII Brazilian Congress of Head and Neck Surgery, Caldas Novas, GO, Brazil, September 1991.