Curriculum Vitae

Alain Yvan Belanger
BSc, MSc, PhD

Citizenship: Canadian
Civil status: Married with three children
Address: 76 Place Bon-Air, Levis, Qc, G6Z 7A4
Education: BSc Physiotherapy, University of Montreal, 1973
MSc Kinesiology, Simon Fraser University, 1976
PhD Neurosciences, McMaster University, 1982
Employment: Physical therapist, Ste-Mary Hospital, 1973-1974
Assistant Professor, Physiotherapy program, Laval University, 1976-1983
Associate Professor, Physiotherapy program, Laval University, 1984-1988
Full Professor, Physiotherapy program, Laval University, 1989-2009
Retired Professor, 2010
Consultant: Founder and President of Physiometrix Ltd, 1992 - today
Teaching: Human anatomy, biomechanics, kinesiology, human neuromuscular physiology,
pain, therapeutic electrophysical agents
Honors: Constance Beattie Award, Canadian Physiotherapy Association
Pre-doctoral Fellowship Award, Muscular Dystrophy Association of Canada
Fellowship Award, World Health Organization
Prix d' Excellence, from the Ordre de la Physiothérapie du Québec, in
recognition of my textbook entitled Evidence-Based Guide to Therapeutic
Physical Agents
Recognition

Physical therapist, Paramedical Team, XXIe Olympic Game, Montreal, 1976

Physical therapist, Paramedical Team, Canada Games, St-Johns, 1977

Member, Editorial Board, Physiotherapy Canada Journal, 1982-1987

Member, Quebec Task Force on Spinal Disorders, sponsored by the Quebec Institute for Workers' Health and Safety, 1984-1987

Consultant for Medtronic Ltd, Electrical Stimulation Division, Minneapolis, 1986

Member, Consultative Council on Technological Aids, Ministry of Social Affairs, Government of Quebec, 1987-1988

Scientific Editor and Chair of the Editorial Board, Physiotherapy Canada Journal, 1987-1990

Consultant, B.V. Enraf Nonius Delft, Electrical Stimulation Division, 1988

Member, Task Force on the Reduction of Back Injuries in Health Workers, Quebec Ministry of Health and Welfare, 1989

Member, Board of Directors, Canadian Physiotherapy Association (CPA), 1991-1995

Director-at-large Research, CPA, 1991-1993

Member, Editorial Board, Physiotherapy Theory and Practice Journal, 1992-2002

Director-at-large Education and Research, CPA, 1993-1995

Member of the Executive Committee, Board of Directors, CPA, 1994-1995

President Elect, Canadian Physiotherapy Association, 1996-1997

Member, Board of Directors and Executive Committee, CPA, 1995-1997

President of the Canadian Physiotherapy Association, 1997-1999

Signature of first publishing contract with Wolters Kluwers Health - Lippincott Williams & Wilkins (LWW), 1998

Past-President, CPA, 1999 - 2000

Publication, by LWW, of first textbook entitled Evidence-Based Guide to Therapeutic Physical Agents, 2002
Designated member, by the Office des Professions du Québec, on the Board of Directors of the Ordre des Ingénieurs Forestiers du Québec (OIFQ), 2008-2010

Publication, by LWW, of second textbook, entitled Therapeutic Electrophysical Agents: Evidence Behind Practice, 2009

Designated member, by the Office des Professions du Québec, on the Comité de Sélection of candidates to become a judge in Quebec court, 2013

Designated member, by the Office des Professions du Québec, on the Comité de Révision of the Ordre des Infirmières et Infirmiers du Québec (OIIQ), 2012 –

Publication, by LWW, of third textbook, entitled Therapeutic Electrophysical Agents: Evidence Behind Practice, 2014

Designated member, by the Office des Professions du Québec, on the Comité de Sélection of candidates to become a judge in Quebec Court, 2013

Member of Comité de Discipline, OPPQ, Quebec Licensing Board, 2016

Associated Editor, Physiotherapy Journal, CPA, 2016

Mentor Education – Nomination by World Confederation of Physical Therapy (WCPT) – SUDA Project in Senegal, 2016 -

Invited Speaker

Annual Congress, Professional Corporation of Physiotherapists of Quebec (PCPQ), Montreal, 1976

Annual Congress, Canadian Podiatric Association, Quebec City, 1976

Annual Congress, Canadian Medical Association, Quebec City, 1977

Joint Congress of the PCPQ and CPA, Quebec City, 1982

Research Seminar, School of Physical and Occupational Therapy, McGill University, Montreal, 1983

Clinical Reading and Presentation Club of Quebec, Quebec City, 1983

Research Seminar, School of Rehabilitation, University of Montreal, Montreal, 1984

Research Seminar, School of Rehabilitation, University of Montreal, Montreal, 1985

Clinical Reading and Presentation Club of Quebec, Quebec City, 1986
Physiotherapy department, Centre Hospitalier St-Augustin, Courville, 1987

Conferences of the Research Center, Montreal Rehabilitation Institute, Montreal, 1988


Annual Congress of PCPQ, Bromont, 1989

Seminar on Laser Therapy, PCPQ Annual Congress, Montreal, 1990

Pre-congress course of the PCPQ - CPA Joint Congress, Montreal, 1991


Institute for Research in Extramural Medicine, Faculty of Medicine, University of Amsterdam, 1992

Second International Congress on Objective Assessment in Rehabilitation Medicine, Montreal, 1993

Conference on Palliative Care, New-Brunswick Extra-Mural Hospital, Edmunston and Fredericton, N.B, 1993

Annual Congress of the Royal Dutch Association of Physiotherapy, The Hague, 1993

OSEP Congress, Quebec City, 1995

Eight International Symposium of the Physical Medicine Research Foundation, Banff, 1995

Joint Conference CPA/OPPQ, Montreal, 1996

Regional Symposia Organized by the Canadian Coordinating Office for the Health Technology Assessment (CCOHTA) and the CPA, Toronto, 1996

International Society for Electrophysical Agents in Physical Therapy (ISEAPT) Meeting, 2009

EPA Ask the Expert Call Series - hosted by Aegis Therapies, 2011

Medwest Speakers Series, Calgary University, Calgary, 2015

**Invited Chair**

Scientific Chair, 11th International Congress of the World Confederation for Physical Therapy, London, 1991
Scientific Chair, Joint Congress of the American and Canadian Associations of Physiotherapy, Toronto. 1994

Scientific Chair, 12th Congress of the International Ergonomics Association, Toronto, 1995

Scientific Chair, 14th International Congress of the World Confederation for Physical Therapy, Barcelona, 2003

Oral Communications

1. Les effets de la rétroaction électromyographique sur la force d'adduction développée par l'abducteur du premier orteil et sur les paramètres squelettiques associés à l'Hallux Valgus. Congress, Professional Corporation of Physiotherapist of Quebec (PCPQ), Montreal, 1976

2. The function of the Abductor Hallucis. Congress, Canadian Podiatric Association, Quebec City, 1976

3. La prévention des blessures au cours des programmes de conditionnement. Congress, Canadian Medical Association, Quebec City, 1977


5. La réforme des cours en physiothérapie: où allons-nous? Congress of the PCPQ, Chicoutimi, 1980


7. Muscle contraction studies in Human Dystrophy. A day of Nerve and Muscle Research, McMaster University, Hamilton, 1982

8. L'activité des unités motrices lors d'une contraction musculaire volontaire. Joint Congress of the PCPQ and CPA, Quebec City, 1982

9. A comparison of the contractile properties of two antagonistic muscle groups. Research Seminar, School of Physical and Occupational Therapy, McGill University, Montreal, 1983

10. La douleur et le TENS. Clinical Reading and Presentation Club of Quebec, Quebec City, 1983

11. Propriétés électromécaniques du muscle lors d'épreuves de force et de fatigue isométriques. Research Seminar, School of Rehabilitation, Université de Montréal, Montreal, 1984

13. Existe-t-il des différences entre les propriétés neuromusculaires chez les groupes de fléchisseurs et extenseurs du coude et de la cheville chez l'humain? Research Seminar, School of Rehabilitation, Université de Montréal, Montreal, 1985

14. A comparison of contractile properties in human arm and leg muscles. 18th Annual Congress, Canadian Association of Sports and Science, Quebec City, 1985

15. Rapport du groupe de travail québécois sur les aspects cliniques des affections vertébrales chez les travailleurs: un résumé et son impact sur la physiothérapie. Noon Conference. Physiotherapy Department, Laval University, Quebec City, 1986

16. Le diagnostic et le traitement des affections vertébrales: la position de l'I.R.S.S.T. Clinical Reading and Presentation Club of Quebec, Quebec City, 1986

17. Le rapport de l'IRSST sur les troubles de la colonne vertébrale; son impact sur la profession. Annual Congress of the PCPQ, Trois- Rivières, 1986

18. The effect of muscle tapping on soleus motoneuron excitability." Exchange Quebec-Ontario, with the Department of Physical Medicine: University of Toronto. Toronto, 1986

19. Évaluation de la fonction neuromusculaire et des effets de l'exercice chez l'adulte dystrophique. Symposium "Connaissances actuelles sur la dystrophie myotonique de Steinert au Québec". Department of Physiotherapy, Laval University, Quebec City, 1986

20. La douleur et la personne âgée. Invited presentation by the "Conseil consultatif du personnel clinique." Centre hospitalier St-Augustin, Courville, 1987

21. Les aspects psychosociaux de la douleur vertébrale chronique. Third Canadian Congress of Rehabilitation, Quebec City, 1987


27. La formation continue au banc des accusés: que le vrai physiothérapeute se lève. Annual Congress of the P.C.P.Q., Bromont, 1989


29. Courants et radiations électromagnétiques en physiothérapie: un rappel. Continued Education, Centre François-Charon, Quebec City, 1989

30. Précautions, dangers et contre-indications en électrothérapie: travailleurs(es) versus bénéficiaires. Continued Education, Centre François-Charon, Quebec City, 1989


35. La douleur clinique: peut-on l'évaluer et si oui, comment? Symposium of the Associations of Physiotherapy and Occupational Therapy Students, Laval University, Quebec City, 1991

36. Recherche au laboratoire d'évaluation de la fonction neuromusculaire humaine: un survol. Research Center, St-François d'Assise Hospital, Quebec City, 1991


38. Pain as a limiting factor to paediatric contractile assessment. PCPQ and CPA Joint Congress, Montreal, 1991


42. Maux de dos et prévention. *Semaine de la santé et de la sécurité au travail*, CSST, Québec, 1992

43. Physiotherapy Research in Canada. *Institute for Research in Extramural Medicine, Faculty of Medicine, University of Amsterdam*, 1992

44. Current and future topics in Physiotherapy Research. *Conference at the inaugural nomination of Dr. P.J.M. Helders as the first professor of Physiotherapy* in the Netherlands, Utrecht, 1992

45. Physiotherapy treatment of spinal disorders: Focus on manual therapy and back school. *IInd International Congress on Objective Assessment in Rehabilitation Medicine*, Montreal, 1992


47. The Role of Physiotherapists in Palliative Care. *Conference on "Palliative Care"*, New Brunswick Extra-Mural Hospital, Fredericton, 1993


49. Work hardening program for low back pain: The role of Physiotherapy. *CPA Annual Congress*, Halifax, 1993


52. Scholarly productivity: Profile of Canadian physiotherapy aculty. *Joint Congress of the American and Canadian Associations of Physiotherapy*, Toronto, 1994

53. Étude longitudinale de la cicatrisation naturelle du ligament croisé antérieur (LCA) du genou suite à une lésion traumatiqu. *Seminar, Research Center, Hôpital St-François-d'Assises*, Quebec City

55. Relation professionnelle entre les physiothérapeutes et les techniciens en réadaptation physique: rappel historique et état actuel de la situation. OSEP Congress, Quebec City, 1995

56. Dosimétrie en thermothérapie. Lunch Conference, Physiotherapy Department, HSFA, Quebec City, 1995

57. Complete Quadriceps Motor unit activation during voluntary effort: How easy is it to achieve and what about limb dominance? 12th International Congress of the World Confederation for Physical Therapy - WCPT, Washington, 1995


59. The pros and cons of passive physical therapy modalities for neck disorders. 8th International Symposium of the Physical Medicine Research Foundation, Banff, 1995

60. Case studies in the assessment of physiotherapy interventions: Electrophysical agents: Regional Symposia organized by the Canadian Coordinating Office for the Health Technology Assessment (CCOHTA) and the CPA, Toronto, 1996

61. Mise à jour sur le TENS. Continuing Education of Service de physiothérapie, Centre hospitalier universitaire de Québec (CHUQ), January, Quebec City, 1997

62. Recognizing our differences and identifying partnership opportunities. Organized by the CPA Quebec Branch and OPQ. February, Quebec City and Montreal, 1997

63. Impact du rapport Spitzer portant sur l’entorse cervicale sur la pratique physiothérapique en regard aux accidentés de la route. Annual congress of the OPPQ, Quebec City, 1997

64. Développement de la physiothérapie au Canada: Passé, présent et avenir. Department of Physiotherapy, University of Ottawa, Ottawa, 1997

65. Quel est le prix à payer pour obtenir une reconnaissance professionnelle? Department of Physiotherapy, University of Ottawa, Ottawa, 1997


67. Indications for the therapeutic physical agents. WCTP Congress, Barcelona, 2003

Publications

Posters


3. Bélanger AY (1977) La prévention des blessures au cours des programmes de conditionnement. Annual Congress, Canadian Medical Association, Quebec City


7. Neuromuscular function in human myotonic dystrophy". Presented at the 5th International Congress of Neuromuscular Diseases, Marseille, 1982

8. Comprehensive neuromuscular assessment of two antagonistic human muscle groups. Presented at the 5th International Congress of Neuromuscular Diseases, Marseille, 1982


11. Can a super-imposed maximal voluntary contraction be as effective as a complete sensory nerve blockade in reducing pain associated with electrically evoked muscle contractions? Presented at the VI World Congress on Pain, Adelaide, Pain (suppl.) 5: S-77, 1990

12. How surface cleaning of biomaterials improves biocompatibility. 15th Annual Congress of the Canadian Society of Biomaterials, Quebec City, 1994

Abstracts


3. Bélanger AY (1977) La prévention des blessures au cours des programmes de conditionnement. Annual Congress, Canadian Medical Association, Quebec City


30. Arseneault AB, De Serres S, Bélanger AY, Kemp F (1990) L'effet de l'anesthésie des afférences cutanées, du changement de la température musculaire sur le réflexe de Hoffman. 58th Annual Congress of the ACFAS, Quebec City


34. Bélanger AY (1991) Pain as a limiting factor to paediatric contractile assessment. Physioth Can. 43 (2; Suppl.): 12


44. Poddevin N, Cronier B, Marois Y, King MW, Bélanger AY, Guidoin R (1993) Analyses rétrospectives de prothèses du ligament croisé antérieur excissées après leur échec. Scientific day, Hôpital Saint-François d’Assise, Quebec City


**Articles with Peer Review**


**Articles without Peer Review**


Bélanger AY (1991) À vous tous, merci! / To all of you, thanks! Physioth Can, 43: 3-4

Textbooks
Bélanger AY (2009) Therapeutic Electrophysical Agents: Evidence Behind Practice, 2nd ed, Lippincott Williams & Wilkins, Philadelphia, 504 pp
Belanger AY (2012) Recursos Fisioterapêuticos: Evidencia que fundamentum a pratica clinica. 2ª Edicao, Manole, Bazil, 504 pp (Portuguese translation)
Belanger AY (2015) Therapeutic Electrophysical Agents: Evidence Behind Practice, 3rd Ed, Lippincott Williams & Wilkins, Philadelphia

Chapters of Textbooks
Monographs


Bélanger, A.Y., with Spitzer WO et al. (1987) Quebec task force report on the clinical aspects of occupational spinal disorders. Research Institute in Occupational Health and Safety of Quebec; 1-296

Interviews / Media


Interview given to the newspaper "Journal de Québec" during the National Week of Physiotherapy. Journal de Québec, Sunday, March 16, p. 4-A, 1986

Interview given to the newspaper "Le Soleil" during the National Week of Physiotherapy. Le Soleil, 1986

Interview given to the newspaper "Globe and Mail", Saturday, November 24, p. 5D, 1990

Interview given to "Radio-Canada télévision", seen on "Ce Soir". August 25, 1992

Interview given to the publication "Fysiopraxis" of the Royal Dutch Society of Physiotherapy, Amersfort. Fysiopraxis, Oct.: 8-9, 1992

Interview given to the publication "Contact" of the CPA: Bélanger conducts studies in Japan, Contact, Nov. 9: 1992


Interview given to the publication "Fysiopraxis" of the Royal Dutch Society of Physiotherapy, The Hague: Fysiopraxis: 1994

Board of Directors announces Dr Alain Bélanger as CPA President-Elect. Contact, May: 1996

Interview given to the magazine Advances for Physical Therapists; article titled Canada sets guidelines for whiplash, August 1997
Interview given to the magazine *Health Forum Policy*; article titled Back Pain, Nov 4-5, 1997.

Interview given to Radio-Canada; *Show: Le dépanneur*. Commentary on the use of therapeutic pulsed electromagnetic signals, 1998

**Continuing Education Courses**

Currently offering multiple continuing courses, related the field of therapeutic electrophysical agents, in the province of Quebec and in the USA.

**Website**

Launching of website in 2013: alainyvanbelanger.com

February 2017