Jude Delparte

Following the completion of studies in neuroscience and biology, I spent fourteen years researching secondary complications following spinal cord injury.

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Languages: English (native) and French (fluent).
Format: CIHR Biosketch sections of the Canadian Common CV. Reading copy, not the CCV-generated file.

Profile

My research has mainly followed what happens to people after a spinal cord injury: pressure injuries, pain, bowel and bladder problems, and how to measure and prevent them. I coordinated studies from recruitment and consent through data collection and follow-up, usually with several underway at once and all of it under Good Clinical Research Practice. I wrote the grants, protocols, and ethics applications behind them, ran the analyses, and helped develop patient-reported measures such as SCI-PROBE and the SCI-PreSORS pressure-injury screen, which I built by logistic regression on more than 800 patient charts. Seventeen peer-reviewed papers came out of this work, along with posters and talks at international meetings. Before any of that, my training was in behavioural neuroscience: rat experiments with patterned magnetic fields, and EEG.

Education

M.Sc. Biology 2005–2007
Laurentian University

B.Sc. Behavioural Neuroscience 1999–2004
Laurentian University

Recognitions

Best Poster Presentation — First Place 2013
52nd ISCoS Annual Scientific Meeting, Istanbul, Oct 27–30, 2013.
Inter-rater reliability and concurrent validity of the SCIPUS during inpatient spinal cord injury rehabilitation
Burns AS, Delparte JJ, Flett HM, Leber DJ, Scovil CY

Best Poster 2010
ASIA 36th Annual Scientific Meeting, Nashville, May 26–28, 2010.
Results from a spinal cord injury-specific pain self-management project
Boschen KA, Burns A, Bain P, Schultz T, Hu A, Dell'Erba C, Jenkins L, Ballantyne EC, Delparte JJ

Employment

Founder, Developer 2025-05–
fakeneuron.com

Clinical Research Associate, Spinal Cord Rehabilitation Program 2011–2022-01
Lyndhurst Centre, Toronto Rehab, University Health Network

Statistics Tutor 2010
Self-employed

Clinical Research Coordinator, Spinal Cord Rehabilitation Program 2007–2011
Lyndhurst Centre, Toronto Rehab, University Health Network

Job Coach 2006–2007
Placement Centre, Laurentian University

Supply Teacher 2006–2007
Sudbury Catholic District School Board

Student Researcher, Behavioural Neuroscience 2002–2007
Laurentian University

Teaching Assistant 2002–2007
Department of Biology, Laurentian University

Funding

The Utility of Clinical Measures for Determining Driving Capability Following Spinal Cord Injury 2021
PVA Research Foundation, #3179
Named collaborator. Funding start 2021-01, 24 months.

Enhancing our understanding of the evolving impact of neurogenic bowel dysfunction from acute onset spinal cord injury to long-term community reintegration 2020
Physicians Services Incorporated (PSI), #20-30
Named collaborator. Funding start 2020-12, 36 months.

Validation of the SCI Pressure Sore Onset Risk Screening (SCI-PreSORS) Instrument 2017
Craig H. Neilsen Foundation, SCIRTS Pilot Research Grant #477002
Named collaborator. Funding start 2017-07, 36 months.

Development of a Patient Reported Outcome for Bowel Dysfunction following Spinal Cord Injury 2015
Rick Hansen Institute, Clinical Outcome Measures, #G2015-28
Collaborator / Research Coordinator. Funding start 2015-04, 24 months.

Spinal Cord Essentials Phase II: Progression, Promotion, and Evaluation 2014
Paralyzed Veterans of America Education Foundation, #726
Collaborator / Project Manager. Funding start 2014-06, 12 months.

Spinal Cord Injury Knowledge Mobilization Network (SCI KMN) 2014
Ontario Neurotrauma Foundation and Rick Hansen Institute
Research Associate. Funding start 2014-04, 36 months.

Best Practice: The Implementation and Evaluation of a Spinal Cord Injury Specific Risk Assessment Measure for the Prevention of Pressure Ulcers 2014
Ontario Ministry of Health and Long-Term Care, AFP Innovation Funds
Research Associate. Funding start 2014-03, 18 months.

The SCI IMPACT Research Team (2011) 2011
Ontario Neurotrauma Foundation, ONF-REPAR Partnership, #2011-ONF-REPAR2-885
Research Coordinator. Funding start 2011-07, 36 months.

Developing a Framework for Structured Follow-up Following Spinal Cord Injury 2011
Ontario Ministry of Health and Long-Term Care, AFP Innovation Funds
Research Coordinator. Funding start 2011-04, 12 months.

Understanding the Factors that Shape the Neurogenic Bowel Experience following Spinal Cord Injury: Identifying Important Themes from the Perspective of Stakeholders 2010
Ontario Neurotrauma Foundation, #2009-SCI-NEURBOW-802
Research Coordinator. Funding start 2010-02, 24 months.

The Development of an Individualized Spinal Cord Injury (SCI) Discharge Manual 2009
Ontario Ministry of Health and Long-Term Care, AFP Innovation Funds
Project Manager / Editor. Funding start 2009-05, 24 months.

Spinal Cord Injury Chronic Pain Self-Management: A Clinical Demonstration Study 2009
Spinal Cord Injury Solutions Network (SCISN)
Research Coordinator. Funding start 2009-01, 24 months.

The SCI IMPACT Research Team (2007) 2007
Ontario Neurotrauma Foundation, ONF-REPAR Rehabilitation Team Development & Research Program, #2008-ONF-REPAR-601
Research Coordinator. Funding start 2007-07, 24 months.

Peer-reviewed publications

Differences in sensorimotor and functional recovery between the dominant and non-dominant upper extremity following cervical spinal cord injury. 2022
Bondi M, Kalsi-Ryan S, Delparte JJ, Burns AS
Spinal Cord
DOI: doi.org/10.1038/s41393-022-00782-1 PubMed: pubmed.ncbi.nlm.nih.gov/35273373

Development of the spinal cord injury pressure sore onset risk screening (SCI-PreSORS) instrument: a pressure injury risk decision tree for spinal cord injury rehabilitation. 2021
Delparte JJ, Flett HM, Scovil CY, Burns AS
Spinal Cord
DOI: doi.org/10.1038/s41393-020-0510-y PubMed: pubmed.ncbi.nlm.nih.gov/32694750

Development of a novel neurogenic bowel patient reported outcome measure: The Spinal Cord Injury Patient Reported Outcome Measure of Bowel Function & Evacuation (SCI-PROBE). 2020
Burns AS, Delparte JJ, Hitzig SL, Shephard J, Craven BC
Spinal Cord
DOI: doi.org/10.1038/s41393-020-0467-x PubMed: pubmed.ncbi.nlm.nih.gov/32393796

Determining Pressure Injury Risk on Admission to Inpatient Spinal Cord Injury Rehabilitation: A Comparison of the FIM, Spinal Cord Injury Pressure Ulcer Scale, and Braden Scale. 2019
Flett HM, Delparte JJ, Scovil CY, Higgins J, Laramée MT, Burns AS
Arch Phys Med Rehabil
DOI: doi.org/10.1016/j.apmr.2019.04.004 PubMed: pubmed.ncbi.nlm.nih.gov/31054293

The Spinal Cord Injury Pressure Ulcer Scale (SCIPUS): An assessment of validity using Rasch analysis. 2019
Higgins J, Laramee MT, Delparte JJ, Scovil CY, Flett HM, Burns AS
Spinal Cord
DOI: doi.org/10.1038/s41393-019-0287-z PubMed: pubmed.ncbi.nlm.nih.gov/31053776

Implementation of Pressure Injury Prevention Best Practices Across 6 Canadian Rehabilitation Sites: Results from the Spinal Cord Injury Knowledge Mobilization Network. 2019
Scovil CY, Delparte JJ, Walia S, Flett HM, Guy SD, Wallace M, et al.
Arch Phys Med Rehabil
DOI: doi.org/10.1016/j.apmr.2018.07.444 PubMed: pubmed.ncbi.nlm.nih.gov/30419231

Guiding framework for driver assessment using driving simulators. 2017
Campos JL, Bédard M, Classen S, Delparte JJ, Hebert DA, Hyde N, Law G, Naglie G, Yung S
Front. Psychol
DOI: doi.org/10.3389/fpsyg.2017.01428 PubMed: pubmed.ncbi.nlm.nih.gov/28878721

Phenomenological study of neurogenic bowel from the perspective of individuals living with spinal cord injury. 2015
Burns AS, St-Germain D, Connolly M, Delparte JJ, Guindon A, Hitzig SL, Craven BC
Arch Phys Med Rehabil
DOI: doi.org/10.1016/j.apmr.2014.07.417 PubMed: pubmed.ncbi.nlm.nih.gov/25172370

Neurogenic bowel after spinal cord injury from the perspective of support providers: a phenomenological study. 2015
Burns AS, St-Germain D, Connolly M, Delparte JJ, Guindon A, Hitzig SL, Craven BC
PM R
DOI: doi.org/10.1016/j.pmrj.2014.09.020 PubMed: pubmed.ncbi.nlm.nih.gov/25305370

Psychometric properties of the spinal cord injury pressure ulcer scale (SCIPUS) for pressure ulcer risk assessment during inpatient rehabilitation. 2015
Delparte JJ, Scovil CY, Flett HM, Higgins J, Laramée MT, Burns AS
Arch Phys Med Rehabil
DOI: doi.org/10.1016/j.apmr.2015.06.020 PubMed: pubmed.ncbi.nlm.nih.gov/26205694

The development of Spinal Cord Essentials: a handout-based patient and family education initiative for people with spinal cord injury. 2014
Delparte JJ, Chau BA, Mills S, Burns AS
Spinal Cord
DOI: doi.org/10.1038/sc.2014.22 PubMed: pubmed.ncbi.nlm.nih.gov/24637567

The application of implementation science for pressure ulcer prevention best practices in an inpatient spinal cord injury rehabilitation program. 2014
Scovil CY, Flett HM, McMillan LT, Delparte JJ, Leber DJ, Brown J, Burns AS, SCIKMN Team
J Spinal Cord Med
DOI: doi.org/10.1179/2045772314Y.0000000247 PubMed: pubmed.ncbi.nlm.nih.gov/25029674

Evaluation of an interdisciplinary program for chronic pain after spinal cord injury. 2013
Burns AS, Delparte JJ, Ballantyne EC, Boschen KA
PM&R
DOI: doi.org/10.1016/j.pmrj.2013.05.004 PubMed: pubmed.ncbi.nlm.nih.gov/23684779

Subjective experiences of men with and without spinal cord injury: tolerability of the juvent and WAVE whole body vibration plates. 2012
Hadi SC, Delparte JJ, Hitzig SL, Craven BC
PM&R
DOI: doi.org/10.1016/j.pmrj.2012.07.006 PubMed: pubmed.ncbi.nlm.nih.gov/22981004

The reproducibility and convergent validity of the walking index for spinal cord injury (WISCI) in chronic spinal cord injury. 2011
Burns AS, Delparte JJ, Patrick M, Marino R, Ditunno J
Neurorehabil Neural Repair
DOI: doi.org/10.1177/1545968310376756 PubMed: pubmed.ncbi.nlm.nih.gov/21239706

Sublesional osteoporosis prevention, detection, and treatment: A decision guide for rehabilitation clinicians treating patients with spinal cord injury. 2008
Craven BC, Giangregorio L, Robertson L, Delparte JJ, Ashe MC, Eng JJ
Crit Rev Phys Rehabil Med
DOI: doi.org/10.1615/critrevphysrehabilmed.v20.i4.10

Brief exposures to theta-burst magnetic fields impair the consolidation of food-induced conditioned place preference. 2007
Delparte JJ, Persinger MA
Int J Neurosci
DOI: doi.org/10.1080/00207450500535834 PubMed: pubmed.ncbi.nlm.nih.gov/17365115

Thesis

Sudden Infant Deaths (SIDS) and Geomagnetic Activity: Is there a 'learned' component affected by weak physiologically patterned magnetic fields? 2007
Delparte JJ
M.Sc. thesis, Laurentian University. ISBN 978-0-494-31525-5.
Theses Canada: collectionscanada.gc.ca/obj/thesescanada/vol2/002/MR31525.PDF

Presentations

Spinal Cord Essentials: a customized patient education initiative for spinal cord injury 2012
Chau BA, Mills S, Delparte JJ, Burns AS
51st ISCoS Annual Scientific Meeting, London, Sep 3–5, 2012. Poster, presenter.

Evaluation of patient and staff satisfaction following the implementation of Spinal Cord Essentials, an education initiative for patients with spinal cord injury 2012
Delparte JJ, Mills S, Burns AS
51st ISCoS Annual Scientific Meeting, London, Sep 3–5, 2012. Poster, presenter.

Patient and staff satisfaction following implementation of Spinal Cord Essentials: an education initiative for patients with spinal cord injury 2012
Delparte JJ, Mills S, Burns AS
51st ISCoS Annual Scientific Meeting, London, Sep 3–5, 2012. Poster, presenter.

A phenomenological analysis of neurogenic bowel dysfunction following spinal cord injury 2012
Guindon A, Hitzig SL, Connolly M, Delparte JJ, Craven BC, St-Germain D, Burns AS
5th National Spinal Cord Injury Conference, Toronto, Oct 19–20, 2012. Poster, presenter.
Published abstract: Journal of Spinal Cord Medicine. 2012;35(5):465.

A pilot study of an interdisciplinary program for chronic pain following SCI 2011
Burns AS, Boschen KA, Delparte JJ, Ballantyne EC
Pain Management across the Continuum: Bridging the Gap from Acute Care to Rehabilitation and into the Community, Toronto, Nov 18, 2011. Poster, presenter.

A comprehensive, multimodal, integrated approach to patient and family education following spinal cord injury (SCI) 2011
Mills S, Burns AS, Delparte JJ, Chau BA, Shepherd J, Badger-Brown K, Wolfe D
50th ISCoS Annual Scientific Meeting, Washington DC, Jun 4–8, 2011. Poster, presenter.
Published abstract: Topics in Spinal Cord Injury Rehabilitation. 2011;16(1):115.

Results from a spinal cord injury-specific pain self-management project 2010
Boschen KA, Burns A, Bain P, Schultz T, Hu A, Dell'Erba C, Jenkins L, Ballantyne EC, Delparte JJ
ASIA 36th Annual Scientific Meeting, Nashville, May 26–28, 2010. Poster, presenter.
Best Poster
Published abstract: Journal of Spinal Cord Medicine. 2010;33(2):183–184.

Late-emerging effects of a chronic pain self-management pilot study for spinal cord injury 2010
Burns AS, Boschen KA, Delparte JJ, Hu A, Dell'Erba C, Jenkins L, et al
4th National Spinal Cord Injury Conference, Niagara Falls ON, Oct 28–30, 2010. Poster, presenter.

Development of a customized spinal cord injury client resource binder 2010
Burns AS, Chau BA, Delparte JJ, Mills S
4th National Spinal Cord Injury Conference, Niagara Falls ON, Oct 28–30, 2010. Poster, presenter.

Usability of the modified WAVE versus Juvent whole body vibration platforms among men with SCI versus able bodied peers 2010
Craven BC, Delparte JJ, Hadi S, et al
ASIA 36th Annual Scientific Meeting, Nashville, May 26–28, 2010. Podium talk, presenter.
Published abstract: Journal of Spinal Cord Medicine. 2010;33(2):182–195.