

Library Service

Service:	Literature Search
Topic:	Safe Winter Walking
Keywords:	Fall Prevention, Falls, Older Adults, Winter, Safety, Safe, Walking, Slippery Surfaces
Date:	December 2017

The Information Specialist has prepared the following document using PubMed and OVID (Medline) databases.

Links to the abstracts and publicly accessible full text articles have been provided, but *the Information Specialist can send you the PDF of any of these articles upon request* (due to copyright issues). Please email <mailto:marybeth.forget@gmail.com>.

Academic Articles

1. Abeysekera JD, Gao C. **The identification of factors in the systematic evaluation of slip prevention on icy surfaces.** [Int. J. Ind. Ergonomics](#) 2001; 28(5): 303-313. [Full Text](#)
2. Bradley SM. **Falls in older adults.** Mt Sinai J Med. 2011 Jul-Aug;78(4):590-5. [Abstract](#)
3. Gard G, Lundborg G. **Accid. Pedestrians on slippery surfaces during winter-- methods to describe the problems and practical tests of anti-skid devices.** Anal. Prev. 2000; 32(3): 455-460. [Abstract](#)
4. Gard G, Berggard G. **Assessment of anti-slip devices from healthy individuals in different ages walking on slippery surfaces.** [Appl. Ergon.](#) 2006; 37(2): 177-186. [Abstract](#)
5. Hatfield J, Fernandes R, Job RF, Smith K. **Misunderstanding of right-of-way rules at various pedestrian crossing types: observational study and survey.** Accid Anal Prev. 2007 Jul;39(4):833-42. [Abstract](#)

6. Hatfield J, Murphy S. **The effects of mobile phone use on pedestrian crossing behaviour at signalized and unsignalized intersections.** *Accid Anal Prev.* 2007 Jan;39(1):197-205. [Abstract](#)
7. Hoxie RE, Rubenstein LZ. **Are older pedestrians allowed enough time to cross intersections safely?** *J Am Geriatr Soc.* 1994 Mar;42(3):241-4. [Abstract](#)
8. Hsu J, Li Y, Dutta T, Fernie G. **Assessing the performance of winter footwear using a new maximum achievable incline method.** *Appl Ergo.* 2015;50:218-25. [Abstract](#)
9. Hsu J, Shaw R, Novak A, Li Y, Ormerod M, Newton R, Dutta T, Fernie G. **Slip resistance of winter footwear on snow and ice measured using maximum achievable incline.** *Ergonomics.* 2016;59(5):717-28. [Full Text](#)
10. Hsu J, Shaw R, Novak A, Li Y, Ormerod M, Newton R, Dutta T, Fernie G. **Slip resistance of winter footwear on snow and ice measured using maximum achievable incline.** *Ergonomics.* 2016 May;59(5):717-28. [Full Text](#)
11. Leden L. **Pedestrian risk decrease with pedestrian flow. A case study based on data from signalized intersections in Hamilton, Ontario.** *Accid Anal Prev.* 2002 Jul;34(4):457-64. [Abstract](#)
12. Li Y, Hsu JA, Fernie G. **Aging and the use of pedestrian facilities in winter—the need for improved design and better technology.** *J Urban Health.* 2013;90(4):602-17. [Full Text](#)
13. Li Y, Fernie G. **Pedestrian behavior and safety on a two-stage crossing with a center refuge island and the effect of winter weather on pedestrian compliance rate.** *Accid Anal Prev.* 2010 Jul;42(4):1156-63. [Abstract](#)
14. Miranda-Moreno LF, Morency P, El-Geneidy AM. **The link between built environment, pedestrian activity and pedestrian-vehicle collision occurrence at signalized intersections.** *Accid Anal Prev.* 2011 Sep;43(5):1624-34. [Abstract](#)
15. Simpson G, Johnston L, Richardson M. **An investigation of road crossing in a virtual environment.** *Accid Anal Prev.* 2003 Sep;35(5):787-96. [Abstract](#)
16. Smolander J, Louhevaara V, Hakola T, Ahonen E, Klen T. **Cardiorespiratory strain during walking in snow with boots of different weights.** *Ergonomics.* 1989;32(1):3-13. [Abstract](#)

17. Tom A, Granié MA. **Gender differences in pedestrian rule compliance and visual search at signalized and unsignalized crossroads.** *Accid Anal Prev.* 2011 Sep;43(5):1794-801. [Abstract](#)
18. Yamaguchi T, Hsu J, Li Y, Maki BE. **Efficacy of a rubber outsole with a hybrid surface pattern for preventing slips on icy surfaces.** *Appl Ergon.* 2015;519-17. [Abstract](#)
19. Yamaguchi T, Hsu J, Li Y, Maki BE. **Efficacy of a rubber outsole with a hybrid surface pattern for preventing slips on icy surfaces.** *Appl Ergon.* 2015 Nov;51:9-17. [Abstract](#)

Internet Sources

20. Canada Safety Council: Canada's Voice and Resource for Safety. **Safety Tips for Winter Walking.** <https://canadasafetycouncil.org/senior-safety/safety-tips-winter-walking>
21. Canadian Safe Step Walk-In Tub Co. **How Canadian Seniors Can stay Safe this winter.** http://www.safesteptubs.ca/wp-content/uploads/2015/06/Ebook-How_Canadian_Seniors_Can_Stay_Safe_This_Winter.pdf
22. My Health. Alberta.ca. **Winter Walking Tips: Lower Your Risk of Falling.** <https://myhealth.alberta.ca/Alberta/Pages/winter-walking-tips.aspx>
23. Women's Health Matters: Women's College Hospital. **Winter Safety for Older Adults.** <http://www.womenshealthmatters.ca/a-question-of-health/question-of-health/all-topics/2011-questions-and-answers/winter-safety-for-older-adults>
24. Board of Health. **Preventing Injuries from Wintertime Slips and Falls in Toronto.** City of Toronto: Board of Health; 2016 Oct. Report No: PW17.14 Available from: <http://www.toronto.ca/legdocs/mmis/2016/pw/bgrd/backgroundfile-98004.pdf>
25. Hugo. **Winter Walking: Winter Walking Safety Tips.** <http://www.hugoanywhere.com/winter-walking/>
26. University of Calgary. Risk - Environmental Health and Safety. **Safe Winter Walking.** <https://www.ucalgary.ca/safety/home/report-accident-incident-oars/safe-winter-walking>

27. Noakes S. **Slippery boots: Most winter footwear fails test of walking on ice.** CBC News; Technology & Science edition. 2016 Nov 16. Available from: <http://www.cbc.ca/news/technology/winter-boots-tested-ice-1.3867531>
28. PEO Canada. **9 Winter Safety Tips You Didn't Know.** <http://www.peocanada.com/peo-blog/9-winter-safety-tips-you-didnt-know/>

Newspaper Articles

29. **PCN fall prevention team helps seniors step carefully in winter.** Camrose Canadian .com. 2016 Dec. 2. Available from: <http://www.camrosecanadian.com/2016/12/02/pcn-fall-prevention-team-helps-seniors-step-carefully-in-winter>
30. **Five Things: Walk like a penguin and other safety tricks for icy conditions.** Vancouver Sun. 2016 Dec 13. Available from: <http://vancouver.sun.com/news/local-news/five-things-walk-like-a-penguin-and-other-safety-tricks-for-icy-conditions>