



KEYNOTES AND RESOURCES

Episode 64 – Interview with Dr. Leigha Rock

July 8, 2022

Dr. Leigha Rock, RDH, Dip DH, BDDSc, PhD

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Dr. Rock is cross-appointed to the Faculty of Medicine, Department of Pathology. She also holds the appointment of Scientist at the Beatrice Hunter Cancer Research Institute, and is a Scientific Affiliate at Nova Scotia Health, Department of Anatomical Pathology. Her research focuses on biomarker discovery that will advance early oral cancer detection and identify effective intervention strategies to reduce the number of individuals with aggressive advanced-stage disease.

Faculty profile

https://registration.dentistry.dal.ca/faculty/Faculty_Staff_profile3.php?id=2127

Published peer-reviewed journal articles

Haslam SK, Wade A, MacDonald L, Johnson J, **Rock LD**. [Burnout syndrome in Nova Scotian dental hygienists during COVID-19: Maslach Burnout Inventory](#). *Can J Dent Hyg*. 2022; 56(2):63-71.

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McNally M, **Rock LD**, Boyd C, Gillis M, Bryan S, Cleghorn B. [Reopening oral health services during the COVID-19 pandemic through a knowledge exchange coalition](#). *JDR Clin Trans Res*. 2021 Jul;6(3):279-290.

Lin I[†], Laronde DM, Zhang L, Rosin MP, Yim I, **Rock LD**. [Basement membrane degeneration is common in lichenoid mucositis with dysplasia](#). *Can J Dent Hyg*. 2021;55(1):9-16. [†]student

Guisier F*, Barros-Filho MC*, **Rock LD***, Strachan-Whaley M*, Marshall EA, Dellaire G, Lam WL. ["Janus or Hydra: the many faces of T helper cells in the human tumour microenvironment"](#). *Tumor Microenvironment. Adv Exp Med Biol*. 2020;1224:35-51. *co-first authorship

Disclaimer: This document is educational and not intended to provide clinical advice nor should it be used as a replacement for professional dental or medical advice. Dental hygienists are encouraged to consult with CDHO practice advisors and refer to CDHO guidelines. Dental hygienists are responsible for the decisions they make and for the consequences associated with those decisions.

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Zhang L, **Rock LD**, Rosin MP, Laronde DM. [Lichenoid mucositis – the chicken or the egg?](#) *J Dent Res*. 2018 Sep;97(10):1179.

Rock LD, Laronde DM, Lin I, Rosin MP, Chan B, Shariati B, Zhang L. [Dysplasia should not be ignored in lichenoid mucositis](#). *J Dent Res*. 2018 Jul;97(7):767-772.

Rock LD, Rosin MP, Zhang L, Chan B, Shariati B, Laronde DM. [Characterization of epithelial oral dysplasia in non-smokers: First steps towards precision medicine](#). *Oral Oncol*. 2018; 97:119-125.

Maraschin BJ, Silva VP, **Rock L**, Sun H, Visioli F, Rados PV, Rosin MP. [Optimizing Fixation Protocols to Improve Molecular Analysis from FFPE Tissues](#). *Braz Dent J*. 2017 Jan-Feb;28(1):82-84.

Rock LD, Tkatch EA, Laronde DM. [Oral cancer screening: dental hygienists' responsibility, scope of practice and referral pathway](#). *Can J Dent Hyg*. 2014; 48(1):42-46.

Rock L. [Potential of platelet rich fibrin in regenerative periodontal therapy: literature review](#). *Can J Dent Hyg*. 2013; 47(1):33-37.

Submitted manuscripts under review

Rock LD, Madathil S, Khanna M, MacDonald LK, Quiñonez C, Glogauer M, Allison P. COVID-19 incidence and vaccination rates among Canadian dental hygienists. Submitted to: *Canadian Journal of Dental Hygiene*. Submitted 05/2022.

MacDonald LK, Glogauer M, Allison P, Quiñonez C, Madathil S, **Rock LD**. Canadian dental hygienists' experiences and perceptions of regulatory guidelines during the COVID-19 pandemic: a qualitative descriptive analysis. Submitted to: *BMC Health Services Research*. Submitted 06/2022.

Published book chapters

Guisier F*, Barros-Filho MC*, **Rock LD***, Constantino FB, Minatel B, Sage AP, Marshall EA, Martinez VC, Lam WL. "[Small non-coding RNA expression in cancer](#)". Gene Expression Profiling in Cancer. IntechOpen: London, England; 2019. *co-first authorship

Barros-Filho MC*, Guisier F*, **Rock LD***, Becker-Santos DD, Sage AP, Lam WL. "[Tumour suppressor genes with dual oncogenic roles in lung cancer](#)". Genes and Cancer. IntechOpen: London, England; 2019. *co-first authorship

Additional Resources

The incidence of COVID-19 among dentists practicing in the community in Canada: A prospective cohort study over a 6-month period,¹ Madathil, S; Siqueira, W; Marin, L; McNally, M; Glogauer, M; Allison, A. JADA, Volume 153, Issue 5, May 1, 2022, p 450-459

[https://jada.ada.org/article/S0002-8177\(21\)00658-9/fulltext](https://jada.ada.org/article/S0002-8177(21)00658-9/fulltext)

COVID-19 prevalence and related practices among dental hygienists in the United States, Estrich, C; Gurenlian, J; Battrell, A; et al. *Journal of Dental Hygiene*, Volume 95, Issue 1, February 2021, p 6-16

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¹ Refer to Episode 43 for discussion of incidence of COVID-19 in Canadian dentists.