Lovedeep Gondara

CONTACT INFORMATION	Enterprise AI and Research (EAiR) Vanguard Toronto, ON, Canada	*Cell:* (604) 832-7114
	School of Population and Public Health University of British Columbia Vancouver, BC, V6T 1Z3, Canada	*E-mail:* lovedeep.gondara@ubc.ca

RESEARCH AREAS Machine Learning, Large Language Models, Differential Privacy, Deep Learning, Decentralized Learning, Statistics, Application of ML and LLMs to various domains.

EDUCATION

Simon Fraser University, Burnaby, BC, Canada
Ph.D., Computer Science, 2022

University of Illinois, Springfield, Illinois, USA
M.S., Computer Science, 2015

Colorado State University, Fort Collins, Colorado, USA
Graduate coursework, Statistics, 2014

University of the Fraser Valley, Abbotsford, BC, Canada
Post-Baccalaureate certificate (Applied Statistics/Data Analytics), 2013

Punjab Technical University, Punjab, India
B.Tech, Computer Science, 2011

WORK EXPERIENCE **Vanguard**, Toronto, ON, Canada

Head of AI Research and Development　　　　　　　　　　**Aug, 2025 - Present**

Provincial Health Services Authority, Vancouver, BC, Canada

Research Scientist — Team Lead　　　　　　　　　　**June, 2023 - Aug, 2025**

- Lead the ML/AI endeavors at the BC Cancer Registry.
- Design and develop NLP models for data abstraction, classification, and summarization.
- Lead and guide the complete lifecycle of LLM development, including data collection and curation, pretraining, supervised finetuning, and alignment.
- Develop and deploy RAG based and agentic methods to streamline operations.
- Consider ethical implications in large language models, such as bias mitigation, fairness, privacy, and security concerns.
- Collaborate with internal and external entities for research and to integrate NLP technologies into real-world applications and solutions.

- Disseminate findings via research papers, technical reports, and documentation detailing the methodologies, findings, and insights at conferences, workshops, and internal/external meetings.
- Supervise visiting researchers/students.

University of British Columbia, Vancouver, BC, Canada

Adjunct Professor   **January, 2024 - Present**

- Adjunct professor at the School of Population and Public Health.
- Guest lectures in areas of expertise.
- Chair MSc and PhD dissertation exams as needed.
- Supervise graduate students.

British Columbia Cancer Agency, Vancouver, BC, Canada

(Bio)Statistician/Data Scientist   **June, 2013 - June, 2023**

- Design and analysis of clinical trials and retrospective studies using various models from statistics and machine learning.
- Design and implementation of interactive dashboards to serve models for visualizing trends, performance monitoring, and predictions in real time.
- Develop and implement state-of-the-art machine learning and statistical models for end-to-end operational and research pipelines.
- Provide technical expertise regarding data architecture and data standards for the development and maintenance of databases to facilitate reporting and research.
- Coordinate internal and external data requests for planning and research.
- Participate in recruitment, selection, and training of junior data scientists, interns, and summer students.

Team Lead, Statistics   **Dec, 2018 - Mar, 2021**

- Lead a team of statisticians and data scientists within cancer surveillance and outcomes, population oncology.
- Provide leadership to team members via technical expertise and the facilitation and demonstration of the principles of team work and collaboration.
- Manage all incoming projects and ensure deliverables by assigning the projects to and coordinating with different team members.

TEACHING
EXPERIENCE

Provincial Health Services Authority, Vancouver, BC, Canada

Designing and developing a fundamentals in AI course	**2025**
Tutorial on privacy in machine learning	**2024**
Tutorial on machine learning	**2024**
Bi-weekly introduction to machine learning series	**2024**

British Columbia Cancer Agency, Vancouver, BC, Canada

Tutorial on missing data	**2014,2015,2016,2017**
Tutorial on differential privacy	**2019**

Basic statistics for medical residents and fellows   **2015,2016,2017,2018**

Simon Fraser University, Burnaby, BC, Canada
Introduction to neural networks   **December, 2016**
Introduction to Generative Adversarial Networks   **May, September, 2017**

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<tr><td>Honors and
Awards</td><td>

New Faculty Research Award, University of British Columbia, 2024

Travel award, Privacy Enhancing Technologies Symposium, 2023

Dean of Graduate Studies Convocation Medal, Simon Fraser University, 2023

Early Career Researcher award, International Papillomavirus Conference, 2023

John Jambor Knowledge Fund award, British Columbia Cancer Agency, 2014, 2015, 2017, 2020, 2022, 2023

Travel award, International Society for Bayesian Analysis, 2022

Graduate Fellowship, Simon Fraser University, 2017, 2019

Travel award, NeurIPS 2019

Clark Wilson LLP Graduate Scholarship, 2019

NVIDIA GPU Grant, 2018

Travel award, Simon Fraser University, 2016, 2017, 2018

Alexander Graham Bell Canada Graduate Scholarship (CGS-D), 2018

Helmut & Hugo Eppich Family Grad School award, Simon Fraser University, 2017

Travel award, International Biometrics Conference, 2016

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PUBLICATIONS

1. **Gondara, L.**, Arbour, G., Ng, R., Simkin, J., & Devji, S. (2025). Bridging AI Innovation and Healthcare Needs: Lessons Learned from Incorporating Modern NLP at The BC Cancer Registry. *arXiv preprint* arXiv:2508.09991.

2. **Gondara, L.**, Simkin, J., Sayle, G., Devji, S., Arbour, G., & Ng, R. (2025). Small or Large? Zero-Shot or Finetuned? Guiding Language Model Choice for Specialized Applications in Healthcare. *arXiv preprint* arXiv:2504.21191.

3. Beheshti, M., **Gondara, L.**, & Zachary, I. (2025). Leveraging Language Models for Automated Patient Record Linkage. *arXiv preprint* arXiv:2504.15261.

4. **Gondara, L.**, Simkin, J., Devji, S.Arbour, G., & Ng, R. (2025). ELM: Ensemble of Language Models for Predicting Tumor Group from Pathology Reports. *arXiv preprint*, arXiv:2503.21800.

5. Nichol, A., Wade, L., **Gondara, L.**, Musoke, R., Chang, J. S., Swift, C. L., ... & Lohrisch, C. (2025). A matched case-control study of the relationship between radiation dose to the internal mammary lymph nodes and clinical outcomes in patients with and without internal mammary lymph node relapses. *International Journal of Radiation Oncology* Biology* Physics.*

6. **Gondara, L.**, Simkin, J., & Devji, S. (2025). Clinical Trial Design Approach to Auditing Language Models in Health Care Setting. *JCO Clinical Cancer Informatics*, 9, e2400331.

7. **Gondara, L.**, Simkin, J., Arbour, G., Devji, S., & Ng, R. (2024). Classifying Tumor Reportability Status From Unstructured Electronic Pathology Reports Using Language Models in a Population-Based Cancer Registry Setting. *JCO Clinical Cancer Informatics*, 8, e2400110.

8. Gottschlich, A., Hong, Q., **Gondara, L.**, Alam, M. S., Cook, D. A., Martin, R. E., ... & Ogilvie, G. S. (2024). Evidence of Decreased Long-term Risk of Cervical Precancer after Negative Primary HPV Screens Compared with Negative Cytology Screens in a Longitudinal Cohort Study. *Cancer Epidemiology, Biomarkers & Prevention*, OF1-OF8.

9. Plichta, Jennifer K., Samantha M. Thomas, Sabine Siesling, Linda De Munck, Amelie Lusque, Thomas Grinda, **Lovedeep Gondara** et al. (2024). "International Validation of a Staging Model for de novo Metastatic Breast Cancer." In *Annals of Surgical Oncology*, vol. 31.

10. Gottschlich, A., **Gondara, L.**, Smith, L. W., Anderson, J. J., Cook, D., Krajden, M., ... & Ogilvie, G. S. (2023). Colposcopy referral rates post-introduction of primary screening with human papillomavirus testing: Evidence from a large British Columbia cohort study. *The Lancet Regional Health–Americas, 26.*

11. Jackson, E. B., **Gondara, L.**, Speers, C., Diocee, R., Nichol, A. M., Lohrisch, C., & Gelmon, K. A. (2023). Does age affect outcome with breast cancer? *The Breast.*

12. Xu, Y., Speers, C. H., **Gondara, L.**, Nichol, A., Lohrisch, C. A., LeVasseur, N., & Chia, S. (2023). Comparison of real-world outcomes over time in a large population-based cohort of patients with metastatic breast cancer. *American Society of Clinical Oncology.*

13. **Gondara, L.**, & Wang, K. (2023). PubSub-ML: A Model Streaming Alternative to Federated Learning. *Proceedings on Privacy Enhancing Technologies*, 2, 464–479.

14. Urban, Ryan, Wong, J., Lim, P., Zhang, S., Spadinger, I., Olson, R., **Gondara, L.**, and Others. (2022). Cervical cancer patient reported gastrointestinal outcomes: intensity/volumetric modulated vs. 3D conformal radiation therapy. *Journal of Gynecologic Oncology*, 33(5).

15. Sit, D., Lalani, N., Chan, E. K., Tran, E., Speers, C., **Gondara, L.**, Nichol, A. (2022). Increasing Utilization of Regional Nodal Irradiation for Patients with Low-Risk Node-Positive Breast Cancer. *International Journal of Radiation Oncology, Biology, Physics*, 114(3), e22–e23.

16. Wade, L., **Lovedeep, G.**, Swift, C. L., Chng, N., Narinesingh, D., Speers, C., Nichol, A. (2022). Radiotherapy Dose Received by the Internal Mammary Chain Lymph Nodes in Cases with Relapse at this Site: A Case-Control Study. *International Journal of Radiation Oncology, Biology, Physics*, 114(3), e25.

17. Murchison, S., Nichol, A., Speers, C., **Gondara, L.**, Levasseur, N., Lohrisch, C., Truong, P. (2022). Locoregional Recurrence and Survival Outcomes in Breast Cancer Treated With Modern Neoadjuvant Chemotherapy: A Contemporary Population-based Analysis. *Clinical Breast Cancer*, 22(7), e773–e787.

18. Davison, K. M., Almeida, V. A., & **Gondara, L.** (2022). Lower Energy-Adjusted Nutrient Intakes Occur Among Food Energy Under-Reporters With Poor Mental Health. *Frontiers in Nutrition*, 9.

19. Gottschlich, A., Anderson, J. J., **Gondara, L.**, Lee, M., van Niekerk, D., Smith, L. W., & Others. (2022). Colposcopy referral rates in an organized cytology-based cervix screening program after receipt of multiple rounds of HPV-based screening in the FOCAL trial. *Cancer Research*, 82, 6239–6239.

20. Lesack, A., Smith, L. W., Racey, C. S., **Gondara, L.**, Krajden, M., Lee, M., & Others. (2022). Willingness to Self-Collect a Sample for HPV-Based Cervical Cancer Screening in a Well-Screened Cohort: HPV FOCAL Survey Results. *Current Oncology*, 29(6), 3860–3869.

21. Carvalho, R. S., Wang, K., & **Gondara, L.** (2022). Incorporating Item Frequency for Differentially Private Set Union. *Proceedings of the AAAI Conference on Artificial Intelligence*, 36, 9504–9511.

22. Gottschlich, A., **Gondara, L.**, Smith, L. W., Cook, D., Martin, R. E., Lee, M., & Others. (2022). Human papillomavirus-based screening at extended intervals missed fewer cervical precancers than cytology in the HPV For Cervical Cancer (HPV FOCAL) trial. *International Journal of Cancer*, 151(6), 897–905.

23. Dosani, M., Hamilton, S. N., **Gondara, L.**, Speers, C., Diocee, R. M., Nichol, A., ... Truong, P. (2022). pN0 (i+) and pN1mi Breast Cancer: Treatment and Outcomes in Comparison With pN0 and pN1a in the Modern Era. *International Journal of Radiation Oncology* Biology* Physics*, 113(4), 805–815.

24. **Gondara, L.**, Wang, K., & Silva Carvalho, R. (2022). Differentially Private Ensemble Classifiers for Data Streams. *Proceedings of the Fifteenth ACM International Conference on Web Search and Data Mining*, 325–333.

25. Tesch, M. E., Speers, C., Diocee, R. M., **Gondara, L.**, Peacock, S. J., Nichol, A., & Lohrisch, C. A. (2022). Impact of TAILORx on chemotherapy prescribing and 21-gene recurrence score–guided treatment costs in a population-based cohort of patients with breast cancer. *Cancer*, 128(4), 665–674.

26. Wong, S. K., **Gondara, L.**, & Gill, S. (2021). Current Attitudes toward Unfunded Cancer Therapies among Canadian Medical Oncologists. *Current Oncology*, 28(6), 4748–4755.

27. Sit, Daegan, Lalani, N., Chan, E., Tran, E., Speers, C., **Gondara, L.**, Nichol, A. (2022b). Association Between Regional Nodal Irradiation and Breast Cancer Recurrence-Free Interval for Patients With Low-Risk, Node-Positive Breast Cancer. *International Journal of Radiation Oncology* Biology* Physics*, 112(4), 861–869.

28. Nichol, Alan, Narinesingh, D., Wade, L., Raman, S., **Gondara, L.**, Speers, C., Truong, P. (2022). Breast Tangent Beam Energy, Surgical Bed-to-Skin Distance and Local Recurrence After Breast-Conserving Treatment. *International Journal of Radiation Oncology* Biology* Physics*, 112(3), 671–680.

29. Sit, D., Lalani, N., Chan, E. K., Tran, E., **Gondara, L.**, Lohrisch, C., Nichol, A. (2021). Regional Nodal Irradiation for Low-Risk, Node-Positive Breast Cancer. *International Journal of Radiation Oncology, Biology, Physics*, 111(3), e212–e213.

30. Smith, L. W., Racey, C. S., **Gondara, L.**, Krajden, M., Lee, M., Martin, R. E., & Others. (2021). Women's acceptability of and experience with primary human papillomavirus testing for cervix screening: HPV FOCAL trial cross-sectional online survey results. *BMJ Open*, 11(10), e052084.

31. **Gondara, L.**, Carvalho, R. S., & Wang, K. (2021). Training differentially private neural networks with lottery tickets. *ESORICS 2021: 26th European Symposium on Research in Computer Security, Darmstadt, Germany, October 4–8, 2021, Proceedings, Part II 26*, 543–562. Springer International Publishing.

32. Telford, J., **Gondara, L.**, Pi, S., Gentile, L., & Enns, R. (2021). Higher adenoma detection, sessile serrated lesion detection and proximal sessile serrated lesion detection are associated with physician specialty and performance on Direct Observation of Procedural Skills. *BMJ Open Gastroenterology*, 8(1), e000677.

33. Strang, T. H. R., Gottschlich, A., Cook, D. A., Smith, L. W., **Gondara, L.**, Franco, E. L., Krajden, M. (2021). Long-term cervical precancer outcomes after a negative DNA-or RNA-based human papillomavirus test result. *American Journal of Obstetrics and Gynecology*, 225(5), 511-e1.

34. Naik, H., Gelmon, K. A., **Gondara, L.**, Diocee, R. M., Speers, C., Yerushalmi, R., LeVasseur, N. (2021). Real-world outcomes of neoadjuvant treatment for HER2 positive early-stage breast cancer. *Wolters Kluwer Health*.

35. Wong, S. K., **Gondara, L.**, Renouf, D. J., Lim, H. J., Loree, J. M., Davies, J. M., & Gill, S. (2021). Impact of surveillance among patients with resected pancreatic cancer following adjuvant chemotherapy. *Journal of Gastrointestinal Oncology*, 12(2), 446.

36. McKevitt, E., Cheifetz, R., DeVries, K., Laws, A., Warburton, R., **Gondara, L.**, Nichol, A. (2021). Sentinel node biopsy should not be routine in older patients with ER-positive HER2-negative breast cancer who are willing and able to take hormone therapy. *Annals of Surgical Oncology*, 28, 5950–5957.

37. Zhang, Tina, Speers, C., **Gondara, L.**, Lohrisch, C., & Nichol, A. (2020). Radiation therapy alone versus radiation therapy with hormonal therapy for women with early stage breast cancer: A population-based study. *RADIOTHERAPY AND ONCOLOGY*, 150, S12–S13.

38. Nichol, Alan, Narinesingh, D., Raman, S., Germain, F., Chan, E. K., Tran, E., **Gondara, L.**, Truong, P. (2021). The effect of bolus on local control for patients treated with mastectomy and radiation therapy. *International Journal of Radiation Oncology* Biology* Physics*, 110(5), 1360–1369.

39. Fan, K. Y., Lalani, N., LeVasseur, N., Krauze, A., Hsu, F., **Gondara, L.**, Nichol, A. M. (2021). Type and timing of systemic therapy use predict overall survival for patients with brain metastases treated with radiation therapy. *Journal of Neuro-Oncology*, 151, 231–240.

40. Davison, K. M. & **Gondara, L.** (2021). A comparison of mental health, food insecurity, and diet quality indicators between foreign-born immigrants of Canada and native-born Canadians. *Journal of Hunger & Environmental Nutrition*, 16(1), 109–132.

41. Gottschlich, A., van Niekerk, D., Smith, L. W., **Gondara, L.**, Melnikow, J., Cook, D. A., Others. (2021). Assessing 10-Year Safety of a Single Negative HPV Test for Cervical Cancer Screening: Evidence from FOCAL-DECADE CohortTen-Year Safety of a Negative HPV Test from Cervical Cancer. *Cancer Epidemiology, Biomarkers & Prevention*, 30(1), 22–29.

42. Nichol, A., Lalani, N., Chan, E. K., Tran, E., Speers, C., **Lovedeep, G.**, & Lohrisch, C. (2020). A Retrospective Study of Low-Risk, Node-Positive Patients Eligible for the Canadian Cancer Trial Group MA. 39 (TAILOR RT) Randomized Trial of Regional Nodal Radiotherapy. *International Journal of Radiation Oncology, Biology, Physics*, 108(3), e29.

43. Raziee, H. R., Gulstene, S., Lohrisch, C., **Lovedeep, G.**, Speers, C., Kwan, W., Nichol, A. (2020). Resection Margin Status and Radiation Boost to Surgical Cavity after Breast Conserving Surgery, a Pattern-of-Practice Study in British Columbia, Canada. *International Journal of Radiation Oncology, Biology, Physics*, 108(3), e43–e44.

44. Zhang, T., Speers, C., **Lovedeep, G.**, Lohrisch, C., & Nichol, A. (2020). Population-Based Study of Radiation Therapy Alone Versus Radiation Therapy and Hormonal Therapy for Women with Early Stage Breast Cancer. *International Journal of Radiation Oncology, Biology, Physics*, 108(3), e45–e46.

45. Chan, E. K., Truong, P., Lohrisch, C., Speers, C., **Lovedeep, G.**, & Nichol, A. (2020). T1-2, Node-negative Breast Cancer after Mastectomy–Which Subsets of Patients Have a High Locoregional Recurrence Risk in the Modern Systemic Therapy Era? *International Journal of Radiation Oncology, Biology, Physics*, 108(3), S26–S27.

46. Chan, Matthew, Ferguson, D., Ni Mhurchu, E., Yuan, R., **Gondara, L.**, McKenzie, M., Others. (2020). Patients with pretreatment leukoencephalopathy and older patients have more cognitive decline after whole brain radiotherapy. *Radiation Oncology*, 15(1), 1–11.

47. Koulis, Theodora A., Nichol, A. M., Truong, P. T., Speers, C., **Gondara, L.**, Tyldesley, S., Olson, R. A. (2020). Hypofractionated adjuvant radiation therapy is effective for patients with lymph node - positive breast cancer: a population-based analysis. *International Journal of Radiation Oncology* Biology* Physics*, 108(5), 1150–1158.

48. Carvalho, R. S., Wang, K., **Gondara, L.**, & Miao, C. (2020). Differentially private top-k selection via stability on unknown domain. *Conference on Uncertainty in Artificial Intelligence*, 1109–1118. PMLR.

49. Wong, J., Fong, A., McVicar, N., Smith, S. L., Giambattista, J. A., Wells, D. M., **Gondara, L.**, Alexander, A. S. (2019). Comparing deep learning-based auto-segmentation of organs at risk and clinical target volumes to expert inter-observer variability in radiotherapy planning. *International Journal of Radiation Oncology, Biology, Physics*, 105(1), S70–S71.

50. Beaton, Laura, Nica, L., Tyldesley, S., Sek, K., Ayre, G., Aparicio, M., **Gondara, L.**, Nichol, A. (2020). PET/CT of breast cancer regional nodal recurrences: an evaluation of contouring atlases. *Radiation Oncology*, 15(1), 1–11.

51. Beaton, L., Chan, E. K., Tyldesley, S., **Gondara, L.**, Speers, C., & Nichol, A. (2020). In the Era After the European Organisation for Research and Treatment of Cancer 'Boost'Study, is the Additional Radiotherapy to the Breast Tumour Bed Still Beneficial for Young Women? *Clinical Oncology*, 32(6), 373–381.

52. Wong, S., **Gondara, L.**, Renouf, D. J., Lim, H. J., & Gill, S. (2020). Impact of surveillance among patients with resected pancreatic cancer following adjuvant chemotherapy. *American Society of Clinical Oncology*.

53. Le, Dan, Speers, C., Thompson, L., **Gondara, L.**, Nichol, A., & Lohrisch, C. (2020). The impact of new systemic therapies on survival and time on hormonal treatment in hormone receptor-positive, human epidermal growth factor receptor 2-negative metastatic breast cancer: A population-based study in British Columbia from 2003 to 2013. *Cancer*, 126(5), 971–977.

54. Coldman, A. J., van Niekerk, D., Krajden, M., Smith, L. W., Cook, D., **Gondara, L.**, Others. (2020). Disease detection at the 48-month exit round of the HPV FOCAL cervical cancer screening trial in women per-protocol eligible for routine screening. *International Journal of Cancer*, 146(7), 1810–1818.

55. LeVasseur, Nathalie, Sun, J., **Gondara, L.**, Diocee, R., Speers, C., Lohrisch, C., & Chia, S. (2020). Impact of pathologic complete response on survival after neoadjuvant chemotherapy in early-stage breast cancer: a population-based analysis. *Journal of Cancer Research and Clinical Oncology*, 146, 529–536.

56. **Gondara, L.**, & Wang, K. (2020). Differentially Private Survival Function Estimation. *Machine Learning for Healthcare Conference*, 271–291. PMLR.

57. Nichol, Alan, Raman, S., Truong, P., **Lovedeep, G.**, Speers, C., Tran, E., Lohrisch, C. (2019). Breast Tangent Beam Energy and Local Control after Breast-Conserving Treatment. *International Journal of Radiation Oncology, Biology, Physics*, 105(1), S191.

58. Lalani, N., Lohrisch, C., **Lovedeep, G.**, Speers, C., & Nichol, A. (2019). The Use of Molecular Subtype to Guide Boost Radiotherapy for Women with Invasive Breast Cancer Treated with Breast-Conserving Therapy. *International Journal of Radiation Oncology, Biology, Physics*, 105(1), E27.

59. Lalani, Nafisha, Voduc, K. D., Jimenez, R. B., Levasseur, N., **Gondara, L.**, Speers, C., Nichol, A. (2021). Breast cancer molecular subtype as a predictor of radiation therapy fractionation sensitivity. *International Journal of Radiation Oncology* Biology* Physics*, 109(1), 281–287.

60. Nichol, A., Raman, S., Truong, P., **Lovedeep, G.**, Speers, C., Tran, E., Lohrisch, C. (2019). The effect of bolus on local control for patients treated with mastectomy and adjuvant radiotherapy. *International Journal of Radiation Oncology, Biology, Physics*, 105(1), S9.

61. Beaton, Laura, Bergman, A., Nichol, A., Aparicio, M., Wong, G., **Gondara, L.**, Tyldesley, S. (2019). Cardiac death after breast radiotherapy and the QUANTEC cardiac guidelines. *Clinical and Translational Radiation Oncology*, 19, 39–45.

62. Smith, L., Van Niekerk, D., Krajden, M., **Gondara, L.**, Cook, D., Lee, M., Others. (2019). Women's experiences with primary human papillomavirus (HPV) testing for cervix screening: HPV focal exit survey results. *BMJ Publishing Group Ltd.*

63. LeVasseur, Nathalie, Willemsma, K.-A., Li, H., **Gondara, L.**, Yip, W. C., Illmann, C., Simmons, C. (2019). Efficacy of neoadjuvant endocrine therapy versus neoadjuvant chemotherapy in ER-positive breast cancer: results from a prospective institutional database. *Clinical Breast Cancer*, 19(6), e683–e689.

64. Cook, D. A., Krajden, M., Brentnall, A. R., **Gondara, L.**, Chan, T., Law, J. H., Others. (2019). Evaluation of a validated methylation triage signature for human papillomavirus positive women in the HPV FOCAL cervical cancer screening trial. *International Journal of Cancer*, 144(10), 2587–2595.

65. Chan, M., Ferguson, D., Mhurchu, E. N., Yuan, R., Li, D., **Lovedeep, G.**, & Nichol, A. (2018). Assessing the Impact of Pre-Treatment White Matter Hyperintensities on Cognitive Function after Whole Brain Radiation Therapy (WBRT). *International Journal of Radiation Oncology, Biology, Physics*, 102(3), e208.

66. Koulis, T. A., Nichol, A., Tyldesley, S., Truong, P., Weir, L., Speers, C., **Gondara, L.**, Olson, R. A. (2018). Cancer-Specific Outcomes of Hypofractionated Locoregional Radiation Therapy for Patients with Stage I-III Breast Cancer. *International Journal of Radiation Oncology, Biology, Physics*, 102(3), S79.

67. Hamilton, S. N., Nichol, A., Wai, E., **Gondara, L.**, García, H. A. V., Speers, C., Truong, P. (2019). Local relapse after breast-conserving therapy versus mastectomy for extensive pure ductal carcinoma in situ ≥ 4 cm. *International Journal of Radiation Oncology* Biology* Physics*, 103(2), 381–388.

68. Cook, D. A., Smith, L. W., Law, J. H., Mei, W., **Gondara, L.**, van Niekerk, D. J., Others. (2018). Comparative performance of human papillomavirus messenger RNA versus DNA screening tests at baseline and 48 months in the HPV FOCAL trial. *Journal of Clinical Virology*, 108, 32–37.

69. Ogilvie, Gina Suzanne, van Niekerk, D., Krajden, M., Smith, L. W., Cook, D., **Gondara, L.**, Others. (2018). Effect of screening with primary cervical HPV testing vs cytology testing on high-grade cervical intraepithelial neoplasia at 48 months: the HPV FOCAL randomized clinical trial. **JAMA**, 320(1), 43–52.

70. Davison, K. M., Holloway, C., **Gondara, L.**, & Hatcher, A. S. (2018). Independent associations and effect modification between lifetime substance use and recent mood disorder diagnosis with household food insecurity. *PLoS One*, 13(1), e0191072.

71. **Gondara, L.**, & Wang, K. (2017). Recovering loss to followup information using denoising autoencoders. *2017 IEEE International Conference on Big Data (Big Data)*, 1936–1945. IEEE.

72. Beaton, L. E., Nica, L., Ayre, G., Sek, K., Aparicio, M., **Gondara, L.**, Nichol, A. (2017). Mapping Patterns of Regional Nodal Recurrence After Treatment in Breast Cancer Patients: Evaluation of the RTOG Breast Cancer Atlas. *International Journal of Radiation Oncology, Biology, Physics*, 99(2), S57.

73. Ceballos, K. M., Lee, M., Cook, D. A., Smith, L. W., **Gondara, L.**, Krajden, M., Coldman, A. J. (2017). Post-loop electrosurgical excision procedure high-risk Human Papillomavirus testing as a test of cure: the British Columbia experience. *Journal of Lower Genital Tract Disease*, 21(4), 284–288.

74. **Gondara, L.**, & Wang, K. (2018). MIDA: Multiple imputation using denoising autoencoders. *Advances in Knowledge Discovery and Data Mining*: 22nd Pacific-Asia Conference, PAKDD 2018, Proceedings, Part III 22, 260–272. Springer International Publishing.

75. Davison, K. M., **Gondara, L.**, & Kaplan, B. J. (2017). Food insecurity, poor diet quality, and suboptimal intakes of folate and iron are independently associated with perceived mental health in Canadian adults. *Nutrients*, 9(3), 274.

76. Nichol, Alan M., Chan, E. K., Lucas, S., Smith, S. L., **Gondara, L.**, Speers, C., & Tyldesley, S. (2017). The use of hormone therapy alone versus hormone therapy and radiation therapy for breast cancer in elderly women: a population-based study. *International Journal of Radiation Oncology* Biology* Physics*, 98(4), 829–839.

77. Den Brok, W. D., Speers, C. H., **Gondara, L.**, Baxter, E., Tyldesley, S. K., & Lohrisch, C. A. (2017b). Survival with metastatic breast cancer based on initial presentation, de novo versus relapsed. *Breast Cancer Research and Treatment*, 161, 549–556.

78. Cook, D. A., Smith, L. W., Law, J., Mei, W., van Niekerk, D. J., Ceballos, K., **Gondara, L.**, Others. (2017). Aptima HPV Assay versus Hybrid Capture® 2 HPV test for primary cervical cancer screening in the HPV FOCAL trial. *Journal of Clinical Virology*, 87, 23–29.

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ACADEMIC SERVICE   Reviewer:
SDM 18' 21' 22', ICML 20' 21' 22' 23' 24' 25', EMNLP 20' 21' 23', EACL 21', NeurIPS 20' 21' 22' 23' 24', ACL 19' 20' 21' 22' 23', CHIL 20' 21' 22' 23' 24' 25', ICLR 20' 21' 22' 23' 24', KDD 21' 22'

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