

BIOGRAPHICAL SKETCH

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NAME: Lara Hathout

eRA COMMONS USERNAME (credential, e.g., agency login):

POSITION TITLE: Assistant Professor

EDUCATION/TRAINING (*Begin with baccalaureate or other initial professional education, such as nursing, include postdoctoral training and residency training if applicable. Add/delete rows as necessary.*)

INSTITUTION AND LOCATION	DEGREE (if applicable)	Completion Date MM/YYYY	FIELD OF STUDY
Université de Montréal, Montreal, Quebec	BS	6/2004	Premed
Université de Montréal, Montreal, Quebec	MD	6/2008	Medicine
CHUM-Hôpital Notre-Dame, Montreal, Quebec	Resident	7/2008-6/2013	Radiation Oncology
Memorial Sloan-Kettering Cancer Center, New York City, NY	Fellow	7/2013-6/2014	General Brachytherapy

A. Personal Statement.

Radiation Oncology has been a passion of mine from my first year in medical school. My first clinical rotation was an elective in radiation oncology that changed my perspective on cancer care. I witnessed firsthand the importance of patient-focused care, with empathy and bedside manner that guided and fueled my continued interest in this field of medicine. My primary goal as a radiation oncologist is to deliver treatment with cutting-edge technology while minimizing side effects and tailoring the treatment to the patients' needs.

I am a Board Certified radiation oncologist in the Department of Radiation Oncology at the Rutgers Cancer Institute of New Jersey and Rutgers Robert Wood Johnson Medical School. I completed my Brachytherapy Fellowship at the Memorial Sloan-Kettering Cancer Center in June 2014 after completing my medical training and a residency in Radiation Oncology at University of Montreal in Montreal, Canada.

Prior to joining Rutgers Cancer Institute, I served as a Clinical Instructor of Radiation Oncology at the Université de Laval at Centre Hospitalier Universitaire de Québec in Quebec City, Canada. My specialization is in Gynecologic, gastro-intestinal and genitourinary cancers.

I offer patients state-of-the-art treatment with leading edge technologies through my expertise in Brachytherapy, Intensity Modulated radiation therapy (IMRT), Stereotactic Body radiotherapy (SBRT) and Proton Beam Therapy. In addition to English I speak several languages fluently including French and Spanish.

In addition to my clinical practice, I continue to be active in grant submissions with a focus on the integration of modern imaging and treatment techniques in the management of genitourinary and gynecologic cancers. As a peer reviewer for the Brachytherapy Journal, Journal of Contemporary Brachytherapy, American Brachytherapy Society and American Society of Therapeutic Radiation Oncology I am committed to publishing and educating both my peers and patients in treatment options while guiding them to make informed decisions on continuing care.

A Pilot phase II randomized trial evaluating acute and late toxicity of High-Dose Rate brachytherapy and Low-Dose Rate brachytherapy as monotherapy in localized prostate cancer

Source: ACURA

Dollars awarded: \$30,000.

Dates: 2015-2017

PI: Lara Hathout

Co-PI: Éric Vigneault, Michael Brundage, Gerard Morton and Maroie Barkati

Status: Funded, Accrual completed.

B. Positions and Honors.

2014 - 2016 Radiation Oncologist, L'Hôtel-Dieu de Québec- CHU de Québec

2016 - 2021 Assistant Professor, Rutgers CINJ, New Brunswick, NJ

2021- present Associate Professor, Rutgers CINJ, New Brunswick, NJ

C. Selected peer-reviewed publications (in chronological order and limited to no more than 15).

Tomas Patrich, Yaqun Wang, Qinyang Wang, Irina Vergalasova, Mohamed A. Elshaikh, irina Dimitrova, Shari Damast, Jessie Y. Li, Emma C. Fields, Sushil Beriwal, Andrew Keller, Elizabeth A. Kidd, Melissa Usoz, Shruti Jolly, Elizabeth Jaworski, Eric W. Leung, Elysia Donovan, Neil K. Taunk, Junzo Chino, Andrea L. Russo, Jayanthi S. Lea, Larissa J. Lee, Kevin V. Albuquerque, **and Lara Hathout**. The impact of Racial Disparities on outcome in Patients with Stage IIIC Endometrial Carcinoma: A Pooled Data Analysis. *Am J Clin Oncol*. 2023 Jan 10.

Matthew Harkenrider, Nadeem Abu-Rustum, Kevin Albuquerque, Lisa Bradfield, Kristin Bradley, Ellen Dolinar, Corinne M. Doll, Mohamed Elshaikh, Melissa A. Frick, Paola A. Gehrig, Kathy Han, **Lara Hathout**, Ellen Jones, Ann Klopp, Firas Mourtada, Gita Suneja, Alexi Wright, Catheryn Yashar and Beth A. Erickson. Radiation Therapy for Endometrial Cancer: An ASTRO Clinical Practice Guideline. *Pract Radiat Oncol*. 2022 Oct 21: S1879-8500(22)00273-9

Lara Hathout, Yaqun Wang, Qinyang Wang, Irina Vergalasova, Mohamed A. Elshaikh, irina Dimitrova, Shari Damast, Jessie Y. Li, Emma C. Fields, Sushil Beriwal, Andrew Keller, Elizabeth A. Kidd, Melissa Usoz, Shruti Jolly, Elizabeth Jaworski, Eric W. Leung, Elysia Donovan, Neil K. Taunk, Junzo Chino, Andrea L. Russo, Jayanthi S. Lea, Kevin V. Albuquerque, and Larissa J. Lee. A multiinstitutional analysis of adjuvant chemotherapy and radiation sequence in stage IIIC endometrial cancer. *Int Radiat Biol Phys* 2021 Mar 4;S0360-3016(21)00240-6.

Jani KS, Lu SE, Murphy JD, Romesser PB, Jethwa KR, Li D, Chundury A, Wu AJ, **Hathout L**, Hallemeier CL, Jabbour SK. Malignancies Diagnosed Before and After Anal Squamous Cell Carcinomas: a SEER Registry Analysis. *Cancer Med* 2021 May 7. PMID: 33960690

Thomas Reynaud, **Lara Hathout**, Maroie Barkati, Philippe Després, André-Guy Martin, William Foster, Frédéric Lacroix, Guila Delouya, Daniel Tausky, Gerard Morton, Eric Vigneault. PSA outcomes and Late Toxicity of Single Fraction High-Dose Rate Brachytherapy and Low-Dose Rate Brachytherapy as Monotherapy in Localized Prostate Cancer: A Phase 2 Randomized Pilot Study. *Brachytherapy*. 2021 Jul 5:S1538-4721(21). PMID: 34238688

Jennifer Yoon, Halle Fitzgerald, Yaqun Wang, Qinyang Wang, Irina Vergalasova, Mohamed A. Elshaikh, Shari Damast, Jessie Y. Li, Emma C. Fields, Sushil Beriwal, Andrew Keller, Elizabeth A. Kidd, Melissa Usoz, Shruti Jolly, Elizabeth Jaworski, Eric W. Leung, Elysia Donovan, Neil K. Taunk, Junzo Chino, Andrea L. Russo, Kevin V. Albuquerque, Larissa J. Lee and **Lara Hathout**. Does prophylactic para-aortic lymphatic irradiation improve outcomes in women with stage IIIC1 endometrial carcinoma? A multi-institutional pooled analysis. *Pract Radiat Oncol*. 2021 Nov 22: S1879-8500(21)00280-0. PMID: 34822999

Lara Hathout, Omar Mahmoud, Yaqun Wang, Irina Vergalasova, Maroie Barkati, Philippe Després, André-Guy Martin, William Foster, Frédéric Lacroix, Guila Delouya, Daniel Tausky, Gerard Morton, Eric Vigneault. A Phase 2 randomized pilot study comparing High-Dose Rate Brachytherapy and Low-Dose Rate Brachytherapy as Monotherapy in Localized Prostate Cancer. *Advances In Radiation Oncology* 2019 Apr 18;4(4):631-640

Ibtihel Ben Aicha, **Lara Hathout**, Damien Carignan, Philippe Després, MarieClaude Lavallée, Sylviane Aubin, Luc Beaulieu, Frédéric Lacroix, William Foster, AndréGuy Martin, Eric Vigneault. Dose to the bladder neck is

not correlated with urinary toxicity in patients with prostate cancer treated with HDR brachytherapy boost. **Brachytherapy** 2020 Sept-Oct; 19(5):584-588.

Nikhil Yegya-Raman, Connie D. Cao, **Lara Hathout**, Eugenia Girda, Scott D. Richard, Norman G. Rosenblum, Neil K. Taunk and Salma K. Jabbour. Stereotactic Body Radiation Therapy for Oligometastatic Gynecologic Malignancies: A Systematic Review. **Gynecology Oncology** 2020 Nov;159(2):573-580.

Lara Hathout, Ronald Ennis, Malcolm Mattes, Raquel Wagman, Alison Grann, Salma Jabbour, Rachana Singh, Ning Yue, Bruce Haffty and Irina Vergalasova. The impact of COVID-19 on brachytherapy during the pandemic: a multi-site experience. **Adv Radiat Oncol** 2021; 6(1):100600.

Hathout, Lara; Folkert, Michael R.; Kollmeier, Marissa; Yamada, Yoshiya; Cohen, Gil'ad; Zelefsky, Michael; Dose to the Bladder Neck is the most important predictor for acute and late toxicity after Low-Dose Rate prostate brachytherapy: implications for establishing new dose constraints for treatment planning; *Int J Radiat Oncol Biol Phys*, Volume 90: 312-319, 2014

Hathout, Lara; Hijal, Tarek; Théberge, Valérie; Fortin, Bernard; Vulpe, Horia; Hogue, Jean-Charles; Lambert, Christine; Bahig, Houda; Provencher, Louise; Vavassis, Peter; Yassa, Michael; Hypofractionated Radiation Therapy for Breast Ductal Carcinoma in Situ, *Int J Radiat Oncol Biol Phys*, Volume 87:1058-1063, 2013