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Dr. Alain Tremblay

Correspondence language: English

Sex: Male

Date of Birth: 4/13

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

Contact Information

The primary information is denoted by (*)

Address

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Dr. Alain Tremblay

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	
French	Yes	Yes	Yes	Yes	

Degrees

1998/7 - 2001/6	Post-doctorate, Pulmonary & Critical Care Medicine, Pulmonary & Critical Care Medicine, Baylor College of Medicine Degree Status: Completed
2001/3 - 2001/4	Post-doctorate, Interventional Pulmonary Medicine, Interventional Pulmonary Medicine, Centre Hospitalier Universitaire Regional de Lille Degree Status: Completed Supervisors: Dr. Chales-Hugo Marquette, 2001/3 - 2001/4
2000/7 - 2000/9	Post-doctorate, Interventional Pulmonary Medicine, Interventional Pulmonary Medicine, Cleveland Clinic Research Institute Degree Status: Completed Supervisors: Dr. Atul Mehta, 2000/7 - 2000/9
1995/7 - 1998/6	Post-doctorate, RCPSC, Internal Medicine, McGill University Degree Status: Completed
1990/9 - 1995/6	Doctorate, MDCM, Medicine, McGill University Degree Status: Completed
1988/9 - 1990/6	Diploma, DEC, Health Sciences, John Abbott College Degree Status: Completed

Credentials

2002/1	Fellow of the American College of Chest Physicians (FCCP), American College of Chest Physicians
2001/8	Unrestricted medical license in Internal Medicine, Respiratory Medicine and Critical Care Medicine, College of Physicians and Surgeons of Alberta
2000/1	Certification in Pulmonary Medicine, Royal College of Physicians and Surgeons of Canada
1999/1	Diplomate in Internal Medicine, American Board of Internal Medicine
1999/1	Certification in Internal Medicine, Royal College of Physicians and Surgeons of Canada
2001/1 - 2011/1	Diplomate in Critical Care Medicine, American Board of Internal Medicine
2000/1 - 2010/1	Diplomate in Respiratory Medicine, American Board of Internal Medicine

Recognitions

2020/1	Distinguished CHEST Educator designation (Canadian dollar) Distinction
2019/1	Chris Bolliger Award (Canadian dollar) Prize / Award
2018/1 - 2018/12	Bob Cowie AZ Award of excellence The University of Calgary Prize / Award
2015/10	Team Builder of the Year (Canadian dollar) Alberta Health Services Distinction For building of Interventional Pulmonary Medicine and Alberta Thoracic Oncology Program teams
2015/10	Alfred Soffer Research Award - 500 (United States dollar) American College of Chest Physicians Prize / Award This award is named in honor of Dr. Alfred Soffer, Master Fellow of the College, Editor in Chief of the CHEST journal from 1968 to 1993, and Executive Director for CHEST from 1969 to 1992. The Alfred Soffer Research Award is granted to CHEST 2015 abstract presenters for their outstanding original research.
2014/4	Associate Dean's Letter of Excellence (Canadian dollar) The University of Calgary Distinction To qualify for this award, teachers must have contributed a minimum of 10 teaching hours in the course and receive an average rating greater than or equal to 3.5/5 (very good/outstanding) on the student feedback.
2013/3	Achievement in Innovation Award The University of Calgary Prize / Award Offered in recognition of a successful US patent application
2013/2	Achievement in Innovation award. (Canadian dollar) The University of Calgary Distinction In recognition of Issuance of US patent 8,361,052
2008/1 - 2008/12	ARP Merit Award Department of Medicine Distinction
2007/1 - 2007/12	Innovation Award Department of Medicine - Calgary Health Region Distinction
2006/1 - 2006/12	Gold Star Teaching Award Faculty of Medicine - University of Calgary Distinction
2006/1 - 2006/12	Research Preceptor Award Department of Medicine - Calgary Health Region Distinction

2006/1 - 2006/12	Research (Clinical) Award for clinical, adjunct and research faculty Faculty of Medicine - University of Calgary Distinction
2004/1 - 2004/12	ARP Merit Award Department of Medicine Distinction
2001/11	CHEST Foundation Young Investigator Award American College of Chest Physicians Prize / Award
1995/1	Finalist, Alexander D. Stewart Prize McGill University Citation Given to a member of the McGill Medical School graduating class who presents in every respect the highest qualifications to practice the profession.
1995/1	Dr. Ezra Lozinsky Prize in Clinical Medicine McGill University Prize / Award Awarded annually to a medical resident training in one of the McGill teaching hospitals who demonstrates outstanding qualities of compassion, understanding, and acceptance of responsibility for ongoing care.
1992/1	Shirley Nancy Endman Prize McGill University Prize / Award given to the McGill Medical School student with the highest achievement in the cardiovascular physiology component of the curriculum

User Profile

Researcher Status: Researcher

Research Career Start Date: 2001/08/01

Engaged in Clinical Research?: Yes

Key Theory / Methodology: Applied clinical research. Medical device development and testing.

Research Interests: My research interest focuses on clinical aspects of interventional pulmonary medicine as well as lung cancer screening, diagnosis and treatment.

Research Experience Summary: My key research experience has followed the following themes: 1- Lung Cancer screening: I served as the site PI for the Pan-Canadian Lung Cancer Screening Study for 5 years (2008-2013) and the PI for the Alberta Lung Cancer Screening Program, a 5 year project funded by the Alberta Cancer Foundation. I am currently developing an image registry of screening images for AI development and validation. 2- Development of a novel method of treatment for malignant pleural disease: I have developed a novel treatment modality for this disease from inception, proof of concept testing, intellectual property protection and licensing to industry. A successful phase 1 human study has been completed but unfortunately an industry led multicenter trial was inconclusive. 3- Assessment and development of advanced bronchoscopic diagnostic techniques. 4- Impact of palliative pulmonary procedures on quality of life 5- Evaluation of medical simulation for bronchoscopy training and education.

Fields of Application: Pathogenesis and Treatment of Diseases

Disciplines Trained In: Internal Medicine, Pneumology

Countries: Canada

Areas of Research: Respiratory System, Lung Cancer, Cancer Diagnosis and Detection

Research Specialization Keywords: Bronchoscopy, Pleural Diseases, Lung Cancer Screening, Quality of Life, Medical simulation

Research Disciplines: Pneumology

Geographical Regions: North America

Employment

2021/10	Medical Lead - Alberta Lung Cancer Screening Program Alberta Health Services Part-time
2014/7	Professor of Medicine Medicine, Cumming School of Medicine, The University of Calgary Full-time, Term, Professor
2009/7 - 2014/6	Associate Professor of Medicine Medicine, Cumming School of Medicine, The University of Calgary Full-time, Term, Associate Professor
2006/7 - 2009/6	Clinical Associate Professor of Medicine Medicine, Medicine, The University of Calgary Full-time, Term, Associate Professor Tenure Status: Non Tenure Track
2001/8 - 2006/6	Clinical Assistant Professor of Medicine Medicine, Medicine, The University of Calgary Full-time, Term, Assistant Professor Tenure Status: Non Tenure Track

Affiliations

The primary affiliation is denoted by (*)

(*) 2006/1 Member, Arnie Charbonneau Cancer Institute

Research Funding History

Awarded [n=11]

2022/8 Principal Investigator	Title: Determination and Validation of Lung EpiCheck a Multianalyte Assay for Lung Cancer Prediction. A Case-Control Study., Contract Clinical Research Project?: Yes Funding Sources: Total Funding - 40,138 (Canadian dollar) Portion of Funding Received - 40,138 (Canadian dollar)
2021/11 Principal Investigator	A Multicenter, Randomized Controlled Trial, Prospectively Evaluating the Clinical Utility of the Nodify XL2 Proteomic Classifier in Incidentally Discovered Low to Moderate Risk Lung Nodules, Contract Clinical Research Project?: Yes Funding Sources: Total Funding - 115,327 (Canadian dollar) Portion of Funding Received - 115,327 (Canadian dollar)
2024/4 - 2027/3 Principal Investigator	Implementation of artificial intelligence support tools for lung cancer screening CT interpretation, Grant, Operating

Clinical Research Project?: Yes

Project Description: Implementation of lung cancerscreening with low-dose CT (LDCT) scan is well underway in Alberta, but thiswill result in a significant increase in workload for interpreting radiologists.We aim to implement and validate the use of qCT-Lung, an image analysissoftware designed to help in diagnosis and confirmation of the presence of lungnodules and their key characteristics. The software assists radiologists withdetection, quantification, characterization, and monitoring progression of lungnodules on LDCTs. Our goal is to reduce the additional load from lung cancerscreening on our limited radiologist resources while simultaneously improvingquality of interpretations through the implementation of ArtificialIntelligence (AI) image interpretation and reporting tools.

Funding Sources:

Alberta Health
Cancer Research for Screening and Prevention Fund
Total Funding - 915,762 (Canadian dollar)
Portion of Funding Received - 290,000 (Canadian dollar)

2023/12 - 2024/11
Principal Investigator A Retrospective Study of an Artificial Intelligence Interpretation System for Lung Cancer Screening Examinations, Grant, Operating
Clinical Research Project?: Yes

Funding Sources:

GOMRG
Total Funding - 25,000 (Canadian dollar)
Portion of Funding Received - 25,000 (Canadian dollar)

2022/1 - 2023/12
Principal Investigator Multicenter, Randomized, Double-Blind, Placebo-Controlled, Proof of Concept Study of LSALT peptide as Prevention of Acute Respiratory Distress Syndrome (ARDS) and Acute Kidney Injuy (AKI) in Patients Infected with SARS-CoV-2 (Covid-19), Contract
Clinical Research Project?: Yes

Funding Sources:

Total Funding - 238,631 (Canadian dollar)
Portion of Funding Received - 238,631 (Canadian dollar)

2020/5 - 2023/12
Principal Investigator Canadian Treatment of COVID-19 / WHO Solidarity trial. CIHR., Contract
Clinical Research Project?: Yes

Funding Sources:

Total Funding - 256,300
Portion of Funding Received - 256,300 (Canadian dollar)

2018/1 - 2021/12
Principal Investigator Stather Canadian Outcomes registry for chest ProcedurEs (SCOPE registry), Grant, Operating
Clinical Research Project?: Yes

Funding Sources:

University of Calgary
Stather Memorial Fund
Total Funding - 77,285 (Canadian dollar)
Portion of Funding Received - 77,285 (Canadian dollar)

2020/7 - 2021/12
Principal Investigator University of Calgary Rapid Respond Fund for COVID - Clinical Trial Support, Grant, Operating
Clinical Research Project?: Yes

Funding Sources:

University of Calgary
 Rapid Respond Fund for COVID
 Total Funding - 100,000 (Canadian dollar)
 Portion of Funding Received - 100,000 (Canadian dollar)

2020/7 - 2021/12 Calgary Health Foundation COVID-19 support grant for clinical trials, Grant, Operating
 Principal Investigator Clinical Research Project?: Yes

Funding Sources:

COVID-19 support grant
 Total Funding - 100,000 (Canadian dollar)
 Portion of Funding Received - 100,000 (Canadian dollar)

2014/4 - 2020/3 Alberta Lung Cancer Screening Program, Grant, Operating
 Principal Investigator Clinical Research Project?: Yes

Funding by Year:

2018/4 - 2019/3 Total Funding - 471,359 (Canadian dollar) (Canadian dollar)
 2017/4 - 2018/3 Total Funding - 500,691 (Canadian dollar) (Canadian dollar)
 2016/4 - 2017/3 Total Funding - 599,569 (Canadian dollar) (Canadian dollar)
 2015/4 - 2016/3 Total Funding - 466,315 (Canadian dollar) (Canadian dollar)
 2014/4 - 2015/3 Total Funding - 288,713 (Canadian dollar) (Canadian dollar)

Funding Sources:

2014/4 - 2019/3 Alberta Cancer Foundation
 Transformative Programs
 Total Funding - 2,326,648 (Canadian dollar) (Canadian dollar)
 Funding Renewable?: No
 Funding Competitive?: Yes

2015/1 - 2019/12 Cancer Screening in Asbestos Exposed Workers in Alberta, Grant, Operating
 Principal Investigator Clinical Research Project?: Yes

Funding Sources:

2014/1 - 2019/12 Western Canadian Mesothelioma Foundation
 Screening of Asbestos Exposed Workers
 Total Funding - 100,000 (Canadian dollar) (Canadian dollar)
 Funding Competitive?: No

Completed [n=2]

2014/1 - 2015/12 Canine scent detection of lung cancer from samples of exhaled breath: A minimal risk pilot
 study, Contract
 Clinical Research Project?: Yes

Funding Sources:

Total Funding - 105,588 (Canadian dollar)
 Portion of Funding Received - 105,588 (Canadian dollar)

2013/1 - 2015/12 Bronchoscopy sampling prototype development and testing., Contract
 Principal Investigator Clinical Research Project?: No

Funding by Year:

2015/1 - 2015/12	Total Funding - 13,172 (Canadian dollar) Portion of Funding Received - 100 (Canadian dollar)
2014/1 - 2014/12	Total Funding - 5,542 (Canadian dollar) Portion of Funding Received - 100 (Canadian dollar)
2013/1 - 2013/12	Total Funding - 12,165 (Canadian dollar) Portion of Funding Received - 100

Funding Sources:

2013/1 - 2015/12	Spiration, Inc. Evaluation of bronchoscopy needle sampling devices Total Funding - 30,879 (Canadian dollar) Funding Competitive?: No
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Student/Postdoctoral Supervision

Post-doctorate [n=1]

2014/11 - 2018/2	Niloofar Taghizadeh, University of Calgary
Principal Supervisor	Thesis/Project Title: Alberta Lung Cancer Screening Present Position: research associate position within Forzani & MacPhail Colon Cancer Screening Group

Publications

Journal Articles

1. Somayaji R , Luke DR , Lau A , Guner R , Tabak ÖF , Hepokoski M , Gardetto N , Conrad SA , Kumar SD , Ghosh K , Robbins SM , Senger DL , Sun D , Lim RKS , Liu J , Eser F , Karaali R , Tremblay A , Muruve D. (2024). Multicentre, randomised, double-blind, placebo-controlled, proof of concept study of LSALT peptide as prevention of acute respiratory distress syndrome and acute kidney injury in patients infected with SARS-CoV-2 (COVID-19).BMJ open. 14(3): e076142.
Published
2. Vakil E , Dumoulin E , Stollery D , Gillson AM , MacEachern P , Dhaliwal I , Mitchell M , Li P , Schieman C , Romatowski N , Chee AC , Tyan CC , Fortin M , Hergott CA , Tremblay A. (2024). Molecular analysis of endobronchial ultrasound needle aspirates in patients with non-small cell lung cancer: Results from the SCOPE database.Cytopathology : official journal of the British Society for Clinical Cytology. 35(3): 378-382.
Published
3. Dumoulin E , Thornton CS , MacGregor JH , Tremblay A , Chan C , MacEachern PR , Kelly MM , Somayaji R , Parkins MD , Mody CH. (2024). Combined medical-interventional approaches for the management of complex fungal balls: a case series as a viable alternative in non-surgical patients.Therapeutic advances in respiratory disease. 18: 17534666241255203.
Published
4. Tremblay A , Premji S , Thanh NX , Yang H , MacEachern P , Penz E , Cressman S , Bedard ELR. (2023). Health Care Utilization and Costs in Lung Cancer Screening Participants-A Propensity-Matched Economic Analysis.JTO clinical and research reports. 4(12): 100594.
Published

5. Tremblay A , Somayaji R , Hoang H , O'Neil C , Sonpar A , Conly J , Murthy S , Fowler R , Sligl W. (2023). Randomized trial of the safety and efficacy of anti-SARS-CoV-2 mAb in the treatment of patients with nosocomial COVID-19 (CATCO-NOS). *Journal of the Association of Medical Microbiology and Infectious Disease Canada = Journal officiel de l'Association pour la microbiologie medicale et l'infectiologie Canada*. 8(3): 214-223.
Published
6. Mponponsuo K , Murthy Y , Kanji J , Tremblay A , Khan D , Conly J , Somayaji R. (2023). Co-infection of SARS-CoV-2 with human coronavirus OC43 in a patient with underlying lung disease: A case report. *Journal of the Association of Medical Microbiology and Infectious Disease Canada = Journal officiel de l'Association pour la microbiologie medicale et l'infectiologie Canada*. 8(2): 150-153.
Published
7. Cressman S , Weber MF , Ngo PJ , Wade S , Behar Harpaz S , Caruana M , Tremblay A , Manser R , Stone E , Atkar-Khattra S , Karikios D , Ho C , Fernandes A , Yi Weng J , McWilliams A , Myers R , Mayo J , Yee J , Yuan R , Marshall HM , Fong KM , Lam S , Canfell K , Tammemägi MC. (2023). Economic impact of using risk models for eligibility selection to the International lung screening Trial. *Lung cancer (Amsterdam, Netherlands)*. 176: 38-45.
Published
8. MacEachern P , Warkentin MT , Brenner DR , Bedard ELR , Tremblay A. (2023). risk. *Cancer epidemiology*. 84: 102368.
Published
9. Vakil E , Taghizadeh N , Tremblay A. (2023). The Global Burden of Pleural Diseases. *Seminars in respiratory and critical care medicine*. 44(4): 417-425.
Published
10. Lau VI , Fowler R , Pinto R , Tremblay A , Borgia S , Carrier FM , Cheng MP , Conly J , Costiniuk CT , Daley P , Duan E , Durand M , Fontela PS , Farjou G , Fralick M , Geagea A , Grant J , Keynan Y , Khwaja K , Lee N , Lee TC , Lim R , O'Neil CR , Papenburg J , Semret M , Silverman M , Sligl W , Somayaji R , Tan DHS , Tsang JLY , Weatherald J , Yansouni CP , Zarychanski R , Murthy S , E-CATCO authors, AMMI Clinical Research Network and Canadian Critical Care Trials Group. (2022). Cost-effectiveness of remdesivir plus usual care versus usual care alone for hospitalized patients with COVID-19: an economic evaluation as part of the Canadian Treatments for COVID-19 (CATCO) randomized clinical trial. *CMAJ open*. 10(3): E807-E817.
Published
11. Jendzjowsky N , Laing A , Malig M , Matyas J , de Heuvel E , Dumonceaux C , Dumoulin E , Tremblay A , Leigh R , Chee A , Kelly MM. (2022). Long-term modulation of airway remodelling in severe asthma following bronchial thermoplasty. *The European respiratory journal*. 59(1)
Published
12. Thornton CS , Huntley K , Berenger BM , Bristow M , Evans DH , Fonseca K , Franko A , Gillrie MR , Lin YC , Povitz M , Shafey M , Conly JM , Tremblay A. (2022). Prolonged SARS-CoV-2 infection following rituximab treatment: clinical course and response to therapeutic interventions correlated with quantitative viral cultures and cycle threshold values. *Antimicrobial resistance and infection control*. 11(1): 28.
Published
13. Shrager JB , Bhatnagar R , Kearney CT , Retzlaff NP , Cohen E , Stanton AE , Keyes C , Wahidi MM , Gillespie C , Rahman N , Kerry AL , Feller-Kopman D , Nader D , Akulian J , Chen A , Berry M , Majid A , Reddy C , Tremblay A , Maskell NA. (2022). Silver Nitrate-coated versus Standard Indwelling Pleural Catheter for Malignant Effusions: The SWIFT Randomized Trial. *Annals of the American Thoracic Society*. 19(10): 1722-1729.
Published

14. Tremblay A , Ezer N , Burrowes P , MacGregor JH , Lee A , Armstrong GA , Pereira R , Bristow M , Taylor JL , MacEachern P , Taghizadeh N , Koetzler R , Bedard E. (2022). Development and application of an electronic synoptic report for reporting and management of low-dose computed tomography lung cancer screening examination.BMC medical imaging. 22(1): 111.
Published
15. Ali K , Azher T , Baqi M , Binnie A , Borgia S , Carrier FM , Cavayas YA , Chagnon N , Cheng MP , Conly J , Costiniuk C , Daley P , Daneman N , Douglas J , Downey C , Duan E , Duceppe E , Durand M , English S , Farjou G , Fera E , Fontela P , Fowler R , Fralick M , Geagea A , Grant J , Harrison LB , Havey T , Hoang H , Kelly LE , Keynan Y , Khwaja K , Klein G , Klein M , Kolan C , Kronfli N , Lamontagne F , Lau R , Fralick M , Lee TC , Lee N , Lim R , Longo S , Lostun A , MacIntyre E , Malhamé I , Mangof K , McGuinty M , Mergler S , Munan MP , Murthy S , O'Neil C , Ovakim D , Papenburg J , Parhar K , Parvathy SN , Patel C , Perez-Patrigion S , Pinto R , Rajakumaran S , Rishu A , Roba-Oshin M , Rushton M , Saleem M , Salvadori M , Scherr K , Schwartz K , Semret M , Silverman M , Singh A , Sligl W , Smith S , Somayaji R , Tan DHS , Tobin S , Todd M , Tran TV , Tremblay A , Tsang J , Turgeon A , Vakil E , Weatherald J , Yansouni C , Zarychanski R , Canadian Treatments for COVID-19 (CATCO). (2022). Remdesivir for the treatment of patients in hospital with COVID-19 in Canada: a randomized controlled trial.CMAJ : Canadian Medical Association journal = journal de l'Association medicale canadienne. 194(7): E242-E251.
Published
16. Romatowski NPJ , Gillson AM , Stollery D , Dumoulin E , Vakil E , Dhaliwal I , MacEachern P , Hergott CA , Tyan CC , Mitchell M , Schieman C , Fortin M , Tremblay A. (2022). Endobronchial Ultrasound Transbronchial Needle Aspiration With a 19-Gauge Needle vs 21- and 22-Gauge Needles for Mediastinal Lymphadenopathy.Chest. 162(3): 712-720.
Published
17. Tammemägi MC , Ruparel M , Tremblay A , Myers R , Mayo J , Yee J , Atkar-Khattra S , Yuan R , Cressman S , English J , Bedard E , MacEachern P , Burrowes P , Quaife SL , Marshall H , Yang I , Bowman R , Passmore L , McWilliams A , Brims F , Lim KP , Mo L , Melsom S , Saffar B , Teh M , Sheehan R , Kuok Y , Manser R , Irving L , Steinfert D , McCusker M , Pascoe D , Fogarty P , Stone E , Lam DCL , Ng MY , Vardhanabhuti V , Berg CD , Hung RJ , Janes SM , Fong K , Lam S. (2022). USPSTF2013 versus PLCOm2012 lung cancer screening eligibility criteria (International Lung Screening Trial): interim analysis of a prospective cohort study.The Lancet. Oncology. 23(1): 138-148.
Published
18. Thanh NX , Pham TM , Waye A , Tremblay A , Yang H , Dean ML , Wasylak T , Sangha R , Stewart D. (2022). Expected Cost Savings From Low-Dose Computed Tomography Scan Screening for Lung Cancer in Alberta, Canada.JTO clinical and research reports. 3(7): 100350.
Published
19. Tremblay A , Chee AC , Dhaliwal I , Dumoulin E , Gillson A , MacEachern PR , Mitchell M , Schieman C , Stollery D , Li P , Fortin M , Tyan CC , Vakil E , Hergott C. (2021). Protocol for the Stather Canadian Outcomes Registry for Chest ProcedurEs (SCOPE).BMJ open respiratory research. 8(1)
Published
20. Lim RK , Tremblay A , Lu S , Somayaji R. (2021). Evaluating hemoptysis hospitalizations among patients with bronchiectasis in the United States: a population-based cohort study.BMC pulmonary medicine. 21(1): 392.
Published
21. Miller CRJ , Chrissian AA , Lee YCG , Rahman NM , Wahidi MM , Tremblay A , Hsia DW , Almeida FA , Shojaee S , Mudambi L , Belanger AR , Bedi H , Gesthalter YB , Gaynor M , MacKenney KL , Lewis SZ , Casal RF. (2021). Key Highlights From the American Association for Bronchology and Interventional Pulmonology Evidence-Informed Guidelines and Expert Panel Report for the Management of Indwelling Pleural Catheters.Chest. 159(3): 920-923.
Published

22. Tremblay A , Taghizadeh N , MacEachern P , Burrowes P , Graham AJ , Lam SC , Yang H , Koetzler R , Tammemägi MC , Taylor K , Bédard ELR. (2021). Two-Year Follow-Up of a Randomized Controlled Study of Integrated Smoking Cessation in a Lung Cancer Screening Program.JTO clinical and research reports. 2(2): 100097.
Published
23. Turner J , Pond GR , Tremblay A , Johnston M , Goss G , Nicholas G , Martel S , Bhatia R , Liu G , Schmidt H , Tammemagi MC , Puksa S , Atkar-Khattra S , Tsao MS , Lam S , Goffin JR. (2021). Risk Perception Among a Lung Cancer Screening Population.Chest. 160(2): 718-730.
Published
24. Tremblay A. (2020). Reply and Commentary to "Smoking Cessation Interventions in the Setting of Low-Dose Computed Tomography: Are They Effective?".Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer. 15(4): e61-e62.
Published
25. Rudkowski JL , Pond GR , Tremblay A , Johnston M , Goss G , Nicholas G , Martel S , Bhatia R , Liu G , Schmidt H , Tammemagi MC , Atkar-Khattra S , Tsao MS , Lam S , Goffin JR. (2020). Trial marketing in the Pan-Canadian Early Detection of Lung Cancer Study.Clinical trials (London, England). 17(2): 202-211.
Published
26. Vakil E , Tremblay A. (2020). Flying Blind Despite All Our Instruments.Chest. 158(4): 1312-1313.
Published
27. Shafiq M , Ma X , Taghizadeh N , Kharrazi H , Feller-Kopman DJ , Tremblay A , Yarmus LB. (2020). Healthcare Costs and Utilization among Patients Hospitalized for Malignant Pleural Effusion.Respiration; international review of thoracic diseases. 99(3): 257-263.
Published
28. Mazzone PJ , Gould MK , Arenberg DA , Chen AC , Choi HK , Detterbeck FC , Farjah F , Fong KM , Iaccarino JM , Janes SM , Kanne JP , Kazerooni EA , MacMahon H , Naidich DP , Powell CA , Raoof S , Rivera MP , Tanner NT , Tanoue LK , Tremblay A , Vachani A , White CS , Wiener RS , Silvestri GA. (2020). Management of Lung Nodules and Lung Cancer Screening During the COVID-19 Pandemic: CHEST Expert Panel Report.Chest. 158(1): 406-415.
Published
29. Mazzone PJ , Gould MK , Arenberg DA , Chen AC , Choi HK , Detterbeck FC , Farjah F , Fong KM , Iaccarino JM , Janes SM , Kanne JP , Kazerooni EA , MacMahon H , Naidich DP , Powell CA , Raoof S , Rivera MP , Tanner NT , Tanoue LK , Tremblay A , Vachani A , White CS , Wiener RS , Silvestri GA. (2020). Management of Lung Nodules and Lung Cancer Screening During the COVID-19 Pandemic: CHEST Expert Panel Report.Journal of the American College of Radiology : JACR. 17(7): 845-854.
Published
30. Miller RJ , Chrissian AA , Lee YCG , Rahman NM , Wahidi MM , Tremblay A , Hsia DW , Almeida FA , Shojaee S , Mudambi L , Belanger AR , Bedi H , Gesthalter YB , Gaynor M , MacKenney KL , Lewis SZ , Casal RF. (2020). AABIP Evidence-informed Guidelines and Expert Panel Report for the Management of Indwelling Pleural Catheters.Journal of bronchology & interventional pulmonology. 27(4): 229-245.
Published
31. Mazzone PJ , Gould MK , Arenberg DA , Chen AC , Choi HK , Detterbeck FC , Farjah F , Fong KM , Iaccarino JM , Janes SM , Kanne JP , Kazerooni EA , MacMahon H , Naidich DP , Powell CA , Raoof S , Rivera MP , Tanner NT , Tanoue LK , Tremblay A , Vachani A , White CS , Wiener RS , Silvestri GA. (2020). Management of Lung Nodules and Lung Cancer Screening During the COVID-19 Pandemic: CHEST Expert Panel Report.Radiology. Imaging cancer. 2(3): e204013.
Published

32. Ramsahai JM , Molnar C , Lou L , Ying W , MacEachern P , Hergott CA , Dumoulin E , Strilchuk N , Fortin M , Tremblay A. (2020). Does prior mediastinal lymph node aspiration contribute to false-positive positron emission tomography-computed tomography?. *ERJ open research*. 6(4)
Published
33. Guinde J , Roy P , Dutau H , Musani A , Quadrelli S , Stratakos G , Vergnon JM , Tremblay A , Fortin M. (2020). An International Survey of Mediastinal Staging Practices amongst Interventional Bronchoscopists.*Respiration; international review of thoracic diseases*. 99(6): 508-515.
Published
34. Goffin JR , Pond GR , Puksa S , Tremblay A , Johnston M , Goss G , Nicholas G , Martel S , Bhatia R , Liu G , Schmidt H , Atkar-Khattra S , McWilliams A , Tsao MS , Tammemagi MC , Lam S. (2020). Chronic obstructive pulmonary disease prevalence and prediction in a high-risk lung cancer screening population.*BMC pulmonary medicine*. 20(1): 300.
Published
35. Tremblay A , Taghizadeh N , MacGregor JH , Armstrong G , Bristow MS , Guo LLQ , Lydell C , Pereira R , Lee A , Elliot T , MacEachern P , Graham A , Dickinson JA , Koetzler R , Lam SC , Yang H , Bédard EL , Tammemagi M , Burrowes P. (2019). Application of Lung-Screening Reporting and Data System Versus Pan-Canadian Early Detection of Lung Cancer Nodule Risk Calculation in the Alberta Lung Cancer Screening Study.*Journal of the American College of Radiology : JACR*. 16(10): 1425-1432.
Published
36. Tremblay A, Taghizadeh N, Huang J, Kasowski D, MacEachern P, Burrowes P, Graham AJ, Dickinson JA, Lam SC, Yang H, Koetzler R, Tammemagi M, Taylor K, Bédard ELR. (2019). A Randomized Controlled Study of Integrated Smoking Cessation in a Lung Cancer Screening Program.*J Thorac Oncol*. 14(9): 1528-1537. ,
37. Ho C, Lefresne S, Liberman M, McGuire A, Palma D, Pender A, Snow S, Tremblay A, Myers R. (2019). Lung Cancer in Canada.*J Thorac Oncol*. 14(7): 1128-1133. ,
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Published,
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89. Tremblay A , Stather DR , Kelly MM. (2011). Effect of repeated administration of low-dose silver nitrate for pleurodesis in a rabbit model. *Respirology (Carlton, Vic.)*. 16(7),
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Intellectual Property

Patents

1. Use of a Drug Eluting Catheter for Pleurodesis. United States of America. 8,361,052. 2008/10/31.
Patent Status: Allowed
Year Issued: 2009
Inventors: Alain Tremblay

This is a draft version only. Do not submit to any funding organization. Only the final version from the History page can be submitted.

Dr. Marc Fortin

Correspondence language: French

Sex: Male

Date of Birth: 5/25

Canadian Residency Status: Canadian Citizen

Country of Citizenship: Canada

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This is a draft version only. Do not submit to any funding organization. Only the final version from the History page can be submitted.



Protected when completed

Dr. Marc Fortin

Language Skills

Language	Read	Write	Speak	Understand	Peer Review
English	Yes	Yes	Yes	Yes	Yes
French	Yes	Yes	Yes	Yes	Yes

Degrees

2021/9 - 2023/12	Master's Thesis, Master in clinical and biomedical sciences, Université Laval Degree Status: Completed Thesis Title: Transbronchial lung cryobiopsy and surgical lung biopsy: A prospective multi-centre agreement clinical trial (CAN-ICE) Supervisors: Yves Lacasse, 2021/9 - 2023/5
2016/1 - 2016/8	Certificate, Interventional Pulmonary Medicine Fellowship, Interventional Pulmonary, Aix-Marseille University Degree Status: Completed Supervisors: Philippe Astoul
2014/7 - 2015/12	Certificate, Interventional Pulmonary Medicine Fellowship, Interventional Pulmonary Medicine, The University of Calgary Degree Status: Completed Supervisors: Alain Tremblay
2012/7 - 2014/6	Certificate, Post doctoral training in Pulmonary Medicine, Pulmonary Medicine, Université Laval Degree Status: Completed Supervisors: Lise Tremblay
2009/7 - 2011/6	Certificate, Post doctoral training in Internal Medicine, Internal Medicine, Université de Montréal Degree Status: Completed Supervisors: François Gobeil
2005/8 - 2009/6	Doctorate, Doctorate in medicine, Université de Montréal Degree Status: Completed Supervisors: Jean-Lucien Rouleau (doyen)

Recognitions

2023/12	Dean's list of the Faculty of Graduate and Postdoctoral studies Université Laval Honor
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2022/5	Master's training scholarship for applicants with a professional degree - 78,646 (Canadian dollar) Fonds de recherche du Québec - Santé (FRQS) Prize / Award
2016/1 - 2016/12	McLaughlin scholarship for post-doctoral studies - 20,000 (Canadian dollar) Université Laval Prize / Award
2014/5 - 2014/5	Scholarship for abstract of the American Thoracic Society - 250 (United States dollar) American Thoracic Society Prize / Award
2014/5 - 2014/5	Award for excellence in clinical research of the Departement of Medecine of Laval University Université Laval Prize / Award
2014/5 - 2014/5	Scholarship for abstract of the Canadian Thoracic Society - 500 (Canadian dollar) Canadian Thoracic Society Prize / Award
2011/9 - 2011/9	Scholarship for abstract of the European Respiratory Society - 200 (Euro) European Respiratory Society Prize / Award
2011/6 - 2011/6	Intern of the year, Departement of internal medecine Université de Montréal Distinction
2011/5 - 2011/5	Public choice award, Annual Research Day of the Department of Medecine of the University of Montreal Université de Montréal Prize / Award
2009/6	Dean's list of the Faculty of Medicine Liste d'honneur du doyen de la Faculté de médecine Université de Montréal Honor

User Profile

Researcher Status: Researcher

Research Career Start Date: 2016/08/01

Engaged in Clinical Research?: Yes

Research Specialization Keywords: Interventional Pulmonary Medicine, Bronchoscopy, Endobronchial ultrasound, Mediastinal staging, pulmonary nodule

Research Centres: Centre de recherche de l'Institut universitaire de cardiologie et de pneumologie de Québec

Research Disciplines: Pneumology

Employment

2023/9	Université Laval Assistant Professor
2017/5	Program director of the Interventional Pulmonary Medicine Fellowship Program Medecine, Medecine, Université Laval Part-time

2016/12	Head of Respiratory Endoscopy Institut universitaire de cardiologie et de pneumologie de Québec
2016/8	Respirologist Institut universitaire de cardiologie et de pneumologie de Québec Full-time
2017/5 - 2020/12	Clinical lecturer Medecine, Medecine, Université Laval

Affiliations

The primary affiliation is denoted by (*)

(*) 2023/9 Assistant professor, Medecine, Université Laval

Research Funding History

Awarded [n=7]

2024/5 Principal Investigator	OPTimization of Endobronchial Ultrasound and Liquid Blospy Sampling in the Diagnosis of Non-SMAll Cell Lung Cancer, Grant Clinical Research Project?: Yes Funding Sources: Pfizer Total Funding - 71,500 Portion of Funding Received - 71,500 (Canadian dollar) Merck Total Funding - 30,000 Portion of Funding Received - 30,000 (Canadian dollar) Fondation de l'Institut universitaire de cardiologie et de pneumologie de Québec Total Funding - 30,000 (Canadian dollar) Portion of Funding Received - 30,000 (Canadian dollar) Funding Competitive?: Yes
2023/1 - 2027/12 Principal Investigator	DilAtation vErsus Resection in idiopAthic subglottic sTENosis : a randomized controlled trial (AERATE), Grant, Establishment Clinical Research Project?: Yes Funding Sources: 2021/5 - 2026/5 Centre de recherche de l'Institut universitaire de cardiologie et de pneumologie de Québec Startup fund Total Funding - 70,000 (Canadian dollar) Portion of Funding Received - 70,000 (Canadian dollar) 2022/1 - 2023/12 Fondation de l'Institut universitaire de cardiologie et de pneumologie de Québec Research grant Total Funding - 30,000 (Canadian dollar) Portion of Funding Received - 30,000 (Canadian dollar) Funding Competitive?: Yes Co-investigator : Dutau, Hervé; Guibert, Nicolas; Soumagne, Thibaud

2023/1 - 2027/12 Principal Investigator	A Randomised Controlled Trial of GEneral AnesthEsia vs ConsciOUs Sedation in PeripheRal EndobronChial Ultrasound for Pulmonary NodulEs (RESSOURCE), Grant, Establishment Clinical Research Project?: Yes Funding Sources: 2023/1 - 2027/12 Fondation de l'Institut universitaire de cardiologie et de pneumologie de Québec Research grant Total Funding - 30,000 (Canadian dollar) Portion of Funding Received - 30,000 (Canadian dollar) Funding Competitive?: Yes 2023/8 - 2027/7 Fonds de démarrage en pneumologie interventionnelle Total Funding - 70,000 (Canadian dollar) Portion of Funding Received - 70,000 (Canadian dollar) 2025/1 - 2027/1 Fondation québécoise en santé respiratoire Total Funding - 40,000 Portion of Funding Received - 20,000 (Canadian dollar) Funding Competitive?: Yes
2022/1 - 2026/12 Principal Investigator	Introduction of an endoscopic lung volume reduction program for the province of Quebec, Grant Clinical Research Project?: Yes Funding Sources: 2022/1 - 2023/12 Fondation de l'Institut universitaire de cardiologie et de pneumologie de Québec Research grant Total Funding - 125,000 (Canadian dollar) Portion of Funding Received - 125,000 (Canadian dollar) Funding Competitive?: No
2021/1 - 2026/1 Principal Investigator	Understanding Spontaneous Pleurodesis after Indwelling Pleural Catheter Insertion, Grant Clinical Research Project?: Yes Funding Sources: 2021/1 - 2026/1 Fondation de l'Institut universitaire de cardiologie et de pneumologie de Québec Research grant Total Funding - 20,000 (Canadian dollar) Portion of Funding Received - 20,000 (Canadian dollar) Funding Competitive?: Yes 2020/1 - 2024/1 Fondation de l'Institut universitaire de cardiologie et de pneumologie de Québec Research grant Total Funding - 30,000 (Canadian dollar) Portion of Funding Received - 30,000 (Canadian dollar) Funding Competitive?: Yes
2024/1 - 2026/1 Principal Investigator	Evaluation of hilar lymph node involvement in early stage non small cell lung cancer, Grant Clinical Research Project?: Yes

Funding Sources:

2025/1 - 2027/12 Fondation de l'Institut universitaire de cardiologie et de pneumologie de Québec
Research grant
Total Funding - 30,000 (Canadian dollar)
Portion of Funding Received - 30,000 (Canadian dollar)
Funding Competitive?: Yes

2018/1 - 2023/12 Developpement of a Biobank for Idiopathic Subglottic Stenosis, Grant
Principal Investigator Clinical Research Project?: Yes

Funding Sources:

2018/1 - 2023/12 Fondation de l'Institut universitaire de cardiologie et de pneumologie de Québec
Research grant
Total Funding - 21,000 (Canadian dollar)
Portion of Funding Received - 21,000 (Canadian dollar)
Funding Competitive?: Yes

2022/4 - 2023/3 Recherche en santé respiratoire
Research grant for early career investigators
Total Funding - 30,000 (Canadian dollar)
Portion of Funding Received - 30,000 (Canadian dollar)
Funding Competitive?: Yes

Completed [n=1]

2017/1 - 2022/1 Transbronchial Lung Cryobiopsy and SurgicAl LuNg Biopsy : A Prospective MultiCentre
Principal Investigator Agreement Study (CAN-ICE), Grant
Clinical Research Project?: Yes

Funding Sources:

2017/1 - 2022/1 Centre de recherche de l'Institut universitaire de cardiologie et de pneumologie de Québec
Startup fund
Total Funding - 100,000 (Canadian dollar)
Portion of Funding Received - 100,000 (Canadian dollar)
Funding Competitive?: No

Declined [n=3]

2025/1 A Randomised Controlled Trial of GEneral AnestheSia vs ConsciOUs Sedation in PeripheRal EndobronChial Ultrasound for Pulmonary NoduleS (RESSOURCE), Grant
Clinical Research Project?: Yes

Funding Sources:

Lung Health Foundation
Career Establishment Award
Total Funding - 75,000
Portion of Funding Received - 0 (Canadian dollar)
Funding Competitive?: Yes

2024/4 OPTimization of Endobronchial Ultrasound and Liquid Blopsey Sampling in the Diagnosis of Non-SMAIl Cell Lung Cancer, Grant

Funding Sources:

2024/4 Lung Cancer Canada - Ambition Awards
 Total Funding - 50,000
 Portion of Funding Received - 0 (Canadian dollar)
 Funding Competitive?: Yes

2024/1 Pleural fluid tumor cell DNA for molecular testing in lung cancer, Grant
 Co-investigator Clinical Research Project?: Yes

Funding Sources:

2024/1 - 2025/12 Fondation de l'Institut universitaire de cardiologie et de pneumologie
 de Québec
 Research grant
 Total Funding - 30,000 (Canadian dollar)
 Portion of Funding Received - 0 (Canadian dollar)
 Funding Competitive?: Yes

Principal Investigator : Patrice Desmeules

Courses Taught

2021/10/01 Enseignant, Université Laval
 Course Title: Cardiopulmonary physiopathology (3h)
 Course Code: PHA-6059
 Course Level: Graduate

2017/09/01 Enseignant, Médecine, Université Laval
 Course Title: Respiratory system : fundamentals and clinical problems (6h)
 Course Code: MED1202
 Course Topic: Respiratory physiology
 Course Level: Undergraduate
 Academic Session: Fall

2017/07/04 Enseignant, McGill University
 Course Title: Introduction day to bronchoscopy in Quebec pulmonology residency
 programs (7h/years)

2022/11/01 - 2023/10/31 Enseignant, de médecine, Université Laval
 Course Title: Practical studies of human anatomy (3h)
 Course Code: ANM-2100
 Course Level: Undergraduate

2017/06/01 - 2020/10/30 Enseignant, de médecine, Université Laval
 Course Title: Surgical foundations : Anatomy of the airways and mediastinum (3h)
 Course Topic: Anatomie des voies respiratoires et endoscopie respiratoire
 Course Level: Graduate
 Section: Il s'agit de 2 cours de 1h sur l'anatomie des voies respiratoires et l'endoscopie
 respiratoire que je donne annuellement

2018/06/01 - 2018/06/01 Conférencier, Association des handicapés respiratoires de Québec
 Course Title: New treatments in emphysema
 Guest Lecture?: Yes

Student/Postdoctoral Supervision

Post-doctorate [n=4]

2022/1 - 2023/1
Principal Supervisor Matthieu Dusselier (Completed)
Student Degree Start Date: 2022/1
Student Degree Received Date: 2023/1
Student Canadian Residency Status: Student Work Permit
Thesis/Project Title: (Interventional Pulmonary Medicine Fellowship Research Project)
A Bicentric Retrospective Study of the Added Value of Repeat Linear Endobronchial Ultrasound

2021/1 - 2022/1
Principal Supervisor Thibaud Soumagne (Completed)
Student Degree Start Date: 2021/1
Student Degree Received Date: 2022/1
Thesis/Project Title: (Interventional Pulmonary Medicine Fellowship Research Project)
DilAtation versus laser Endoscopic Resection in simple benign trAcheal sTENosis (AERATE)

2019/7 - 2020/6
Principal Supervisor Catherine Boily-Daoust (Completed)
Student Degree Start Date: 2019/7
Student Degree Received Date: 2020/6
Student Canadian Residency Status: Canadian Citizen
Thesis/Project Title: (Interventional Pulmonary Medicine Fellowship Research Project)
Safety of endoscopic procedures in patients with superior vena cava syndrome

2018/11 - 2019/10
Principal Supervisor Julien Guinde (Completed)
Student Degree Start Date: 2018/11
Student Degree Received Date: 2019/10
Student Canadian Residency Status: Work Permit
Thesis/Project Title: (Interventional Pulmonary Medicine Fellowship Research Project)
A Prediction Model to Optimize Invasive Mediastinal Staging Procedures for Non-small Cell Lung Cancer in Patients With a Radiologically Normal Mediastinum: The Quebec Prediction Model

Certificate [n=16]

2024/12
Principal Supervisor Fournier, Maxime (In Progress) , Université Laval
Student Canadian Residency Status: Canadian Citizen
Thesis/Project Title: (Internal medicine residency research project) Clinical characteristics, prognosis and nodal involvement in multifocal adenocarcinoma in a caucasian population

2024/11 - 2025/7
Principal Supervisor Baril, Olivier (In Progress) , Université Laval
Student Degree Start Date: 2024/8
Student Canadian Residency Status: Canadian Citizen
Thesis/Project Title: (Medical student research project) Predictive models for diagnostic yield of procedures in the investigation of peripheral pulmonary lesions

2024/6 - 2024/12
Principal Supervisor Marsolais, Juliette (In Progress) , Université Laval
Student Canadian Residency Status: Canadian Citizen
Thesis/Project Title: (Medical student research project) Burden of complications following transthoracic needle biopsy for pulmonary lesions at the Quebec Heart and Lung Institute

2024/6 - 2024/12 Principal Supervisor	Côté, Justine (In Progress) , Université Laval Student Degree Start Date: 2023/8 Student Canadian Residency Status: Canadian Citizen Thesis/Project Title: (Medical student research project) Impact of a prediction model based approach in the investigation of pulmonary lesions
2024/6 - 2024/12 Principal Supervisor	Tang, Jessica (In Progress) , Université Laval Student Degree Start Date: 2023/8 Student Canadian Residency Status: Canadian Citizen Thesis/Project Title: (Medical student research project) Impact of a prediction model based approach in the investigation of pulmonary lesions
2024/2 - 2026/6 Principal Supervisor	Tremblay, Jérémy (In Progress) , Université Laval Student Canadian Residency Status: Canadian Citizen Thesis/Project Title: (Internal medicine residency research project) Impact of a prediction model based approach in the investigation of pulmonary lesions
2023/9 - 2025/8 Principal Supervisor	Étienne Morin (In Progress) , Université Laval Student Degree Start Date: 2023/7 Student Canadian Residency Status: Canadian Citizen Thesis/Project Title: (Pulmonary medicine fellowship research project) A Multicenter Cohort of Conebeam CT Guided Bronchoscopy
2023/7 - 2025/6 Principal Supervisor	Vincent Ouellet (In Progress) , Université Laval Student Degree Start Date: 2023/7 Student Canadian Residency Status: Canadian Citizen Thesis/Project Title: (Internal Medicine residency research project) Defining the bronchus sign
2023/7 - 2025/6 Principal Supervisor	Annaelle Gauvin-Morin (In Progress) , Université Laval Student Degree Start Date: 2023/7 Student Canadian Residency Status: Canadian Citizen Thesis/Project Title: (Internal Medicine residency research project) Predictors of a diagnostic peripheral endobronchial ultrasound
2022/7 - 2025/1 Principal Supervisor	Marianne Lague (In Progress) , Université Laval Student Canadian Residency Status: Canadian Citizen Thesis/Project Title: (Pulmonary medicine fellowship research project) The Impact of Antibiotrophylaxis on the Rate of Indwelling Pleural Catheter Infectious Complications
2022/7 - 2024/6 Principal Supervisor	David Lachance-Perreault (In Progress) , Université Laval Student Degree Start Date: 2023/7 Student Canadian Residency Status: Canadian Citizen Thesis/Project Title: (Internal medicine residency research project) Validation of the Quebec Prediction Model
2019/7 - 2021/6 Principal Supervisor	Sophie Bergeron-Kernelly (Completed) , Université Laval Student Degree Start Date: 2019/7 Student Degree Received Date: 2021/6 Student Canadian Residency Status: Canadian Citizen Thesis/Project Title: (Pulmonary medicine fellowship research project) Evaluation of the added of TEP-CT in investigation of the pulmonary nodule
2019/7 - 2021/6 Principal Supervisor	Nicholas Quigley (Completed) Student Degree Start Date: 2019/6 Student Degree Received Date: 2021/6 Thesis/Project Title: (Pulmonary medicine fellowship research project) Aetiology, diagnosis and treatment of moderate-to-severe haemoptysis in a North American academic centre

2017/7 - 2020/6 Principal Supervisor	Pascal Roy (Completed) Student Degree Start Date: 2017/7 Student Degree Received Date: 2019/6 Thesis/Project Title: (Internal medicine residency research project) Central Tumor Location and Occult Lymph Node Metastasis in cT1N0M0 Non–Small-Cell Lung Cancer
2016/10 - 2018/6 Principal Supervisor	Sébastien Gagnon (Completed) , Université Laval Student Degree Start Date: 2016/7 Student Degree Received Date: 2019/6 Student Canadian Residency Status: Canadian Citizen Thesis/Project Title: (Pulmonary medicine fellowship research project) Aetiology, diagnosis and treatment of moderate-to-severe haemoptysis in a North American academic centre
2016/6 - 2018/7 Principal Supervisor	Marie-May Collin-Castonguay (projet résident) (Completed) Student Degree Start Date: 2019/6 Student Degree Received Date: 2021/7 Thesis/Project Title: (Internal medicine residency research project) Added value of invasive needle techniques in mediastinal and hilar nodal staging of clinical N0-N1 non-small cell lung cancer after positron emission tomography

Staff Supervision

Number of Scientific and Technical Staff: 2

Number of Employees: 2

Graduate Examination Activities

Master's Proposal Defense Member, René Tshibangu Mukendi, Université Laval

PhD Comprehensive Exam Committee Member, Hanie Abolfathi, Université Laval

Committee Memberships

2024/10	Chair, Canadian Procedure Assembly, Canadian Thoracic Society
2017/1	Committee Member, Comité de révision scientifique de la recherche, Institut universitaire de cardiologie et de pneumologie de Québec
2024/10 - 2024/10	Committee Member, Comité d'examen des Journées de la recherche du Centre de recherche de l'IUCPQ-UL, Institut universitaire de cardiologie et de pneumologie de Québec
2017/5 - 2018/5	Committee Member, Comité d'examen des Journées de la recherche du Centre de recherche de l'IUCPQ-UL, Institut universitaire de cardiologie et de pneumologie de Québec

Presentations

1. (2025). Prediction models, PET-CT and Pulmonary Nodules. National Interventional Pulmonary Medicine Rounds (Virtual Event) 01/2025, Online,
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes

2. (2024). Papillomatose laryngo-trachéale. Symposium sur les pathologies pulmonaires rares de l'APPQ (Virtual Event), Online,
Invited?: Yes, Keynote?: No
- [3.](#) (2024). Valves et réduction de volume pulmonaire. Journée de formation de l'Ordre Professionnel des inhalothérapeutes du Québec (Virtual Event), Canada
Main Audience: Knowledge User
Invited?: Yes
4. (2024). A Prediction Model for Imaging Occult Hilar Nodal Disease in Early Stage NSCLC. Chest Conference, Boston, United States of America
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No
5. (2024). Évolution de l'investigation endoscopique du nodule pulmonaire. Congrès québécois en Santé respiratoire, Montréal, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: No
6. (2024). Hilar staging by EBUS. National Interventional Pulmonary Medicine Rounds (Virtual event),
Main Audience: Knowledge User
7. (2024). Technique de biopsies des nodules pulmonaires. Symposium de chirurgie et oncologie thoracique de l'IUCPQ-UL, Québec, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: No
8. (2024). Résultats préliminaires de l'étude OPTIMAL. Retraite en oncologie pulmonaire du projet LORD, Québec, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No, Competitive?: No
9. (2024). Pulmonary oncology review. Annual Canadian Respiratory Society Review Course for Pulmonary Fellows (Virtual Event), Online,
- [10.](#) (2024). La réduction de volume endoscopique pulmonaire. Association des pneumologues du Québec, Québec, Canada
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: No
11. (2023). Evaluation of the added value of repeat endobronchial ultrasound after an initial negative procedure. American Association of Bronchoscopy and Interventional Pulmonary Medicine Conference, Chicago, United States of America
Main Audience: Knowledge User
Invited?: Yes, Keynote?: No, Competitive?: No
12. (2023). Quoi de neuf en pneumologie interventionnelle?. Formation médicale continue AstraZeneca (Virtual Event),
13. (2023). Ce qu'il faut savoir en pneumologie interventionnelle en 2023. Formation médicale continue GSK, Sherbrooke, Canada
14. Soumagne T, Colin-Castonguay MM, Guinde J, Laflamme L, Marcoux S, Roy P, Lévesque-Laplane A, Fortin M. (2022). An international survey of practices in the investigation and treatment of peripheral pulmonary lesions amongst interventional bronchoscopists. World Congress for Bronchology and Interventional Pulmonology (WCBIP) 2022, Marseille, France
Main Audience: Researcher
Invited?: Yes, Keynote?: No

15. (2022). Benign subglottic stenosis. Symposium of rare pulmonary disease of the Association des pneumologues du Québec (Virtual Event), 2022 December., Marseille, France
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
16. (2022). Idiopathic subglottic stenosis: an update. World Congress fo Bronchology and Interventional Pulmonology 2022 October, Marseille, France
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
17. (2022). Interventional pulmonary medicine in 2022. Conference of the Department of Medicine of the Centre hospitalier universitaire de Québec 2022 November, Québec, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
18. (2022). The Quebec prediction model. Midwest Thoracic Oncology journal club (Virtual Event) 2022 May, Online, United States of America
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
19. (2022). Endobronchial ultrasound for the internist. 23rd annual conference of the Association des spécialistes en médecine interne du Québec. (Virtual Event). 2022 May., Online, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
20. (2022). Staging the hilum. World Congress for Bronchology and Interventional Pulmonology 2022 October, Marseille, France
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
21. (2022). Medical management of empyema. Annual symposium of thoracic surgery and pulmonary oncology of the province of Quebec. 2022 October., Québec, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
22. Guinde J, Roy P, Dutau H, Musani A, Quadrelli S, Vergnon JM, Tremblay A, Fortin M. (2021). An international survey of mediastinal staging practices among interventional bronchoscopists. Winner of the best original abstract. 25e Congrès annuel de Pneumologie de la Langue Française 2021. Édition virtuelle, Paris, France
Main Audience: Researcher
Invited?: Yes, Keynote?: No
23. (2021). Pro talc: indwelling pleural catheter vs talc pleurodesis in the management of malignant pleural effusions. CHEST conference (Virtual Event) 2021 October, Online, United States of America
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
24. (2021). The Quebec prediction model. CHEST Journal's monthly journal club (Virtual Event) 2021 December, Online, United States of America
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
25. Soumagne T, Dutau H, Eapen G, Guibert N, Hergott C, Maldonada F, Saka H, Fortin M. (2021). Added value of invasive needle techniques in mediastinal and hilar noda staging of clinical N0-N1 non-small cell lung cancer after position emission tomography. Journées de la recherche de la Faculté de médecine - Université Laval 2021, Québec, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: No

26. (2020). What is interventional pulmonary medicine. Conference of the Department of Medicine of the Centre hospitalier de l'Université Laval. 2020 March, Québec, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
27. Kim V, Krimsky W, Bannan B, et al including Fortin M. (2019). Bronchial rheoplasty increases distal airway volume in chronic bronchitis. European Respiratory Society Conference 2019 (ERS International Congress), Madrid, Spain
Main Audience: Researcher
Invited?: Yes, Keynote?: No
28. Roy P, Lévesque-Laplanche A, Guinde J, Lacasse Y, Fortin M. (2019). Central tumor location and occult lymph node metastasis in cT1N0M0 non-small cell lung cancer (NSCLC). CHEST Annual Meeting 2019: What to Expect, New Orleans LA, New Orleans, Louisiane, United States of America
Main Audience: Researcher
Invited?: Yes, Keynote?: No
29. (2019). COPD. Pulmonary Medicine Day of the Institut universitaire de cardiologie et de pneumologie de Québec - Université Laval (IUCPQ-UL), Québec, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes
30. (2019). Cryobiopsies: ready for primetime?. Canadian Thoracic Society conference 2019 April, Ottawa, Canada
Main Audience: Researcher
Invited?: Yes, Keynote?: Yes

Broadcast Interviews

2022/09/01	Cyclo-défi de l'Institut universitaire de cardiologie et de pneumologie de Québec - Université Laval, Radio Canada- ICI télé Québec, Radio-Canada
2022/01/10	Choosing your needle - Podcast, Podcast - Orange Media, France
2018/11/01	A promising therapy for chronic bronchitis, Radio-Canada - ICI-Télé Québec, Radio-Canada

Publications

Journal Articles

1. Vakil E, Fortin M, Tremblay A. (2025). Ultrathin bronchoscopy with radial endobronchial ultrasound and rapid on-site evaluation for the diagnosis of peripheral pulmonary lesions: a multicentre randomized controlled factorial trial. CHEST.
Co-Author
Submitted,
Number of Contributors: 3
2. Lague M, Germain N, Roy P, Fortin M. (2025). Risk of Infection Following Tunneled Pleural Catheter Placement: Before and After Implementation of Systematic Antibiotic Prophylaxis. Annals of ATS.
Last Author
Accepted,
Number of Contributors: 3

3. Dusselier M, Soumange T, Fortin M. (2025). Longterm Outcomes in idiopathic subglottic stenosis. Laryngoscope.
Co-Author
Submitted,
Number of Contributors: 3
4. Tymko M.M, Drapeau A, Vieira-Coelho M.A, Labrecque L, Imhoff S, Coombs GB, Langevin S, Fortin M, Châteauvert N, Ainslie P.N, Brassard P. (2024). New evidence for baroreflex and respiratory chemoreflex-mediated cerebral sympathetic activation in humans. Journal of applied physiology. 1(138): 366-377.
<http://dx.doi.org/10.1152/jappphysiol.00688.2024>
Co-Author
Published,
Number of Contributors: 11
5. Soumagne T, Dutau H, Eapen G, Guibert N, Hergott C, Maldonado F, Saka H, Fortin M. (2024). An International Survey of Practices in the Investigation and Endoscopic Treatment of Peripheral Pulmonary Lesions amongst Interventional Bronchoscopists. Respiration. 103(3): 146-154.
Last Author
Published,
6. Tymko M.M, Drapeau A, Vieira-Coelho M.A, Labrecque L, Imhoff S, Coombs G.B, Langevin S, Fortin M, Châteauvert N, Ainslie P.N., Brassard P. (2024). Acute isometric and dynamic exercise do not alter cerebral sympathetic nerve activity in healthy humans. Journal of cerebral blood flow and metabolism. 44(10): 1840-1851.
<http://dx.doi.org/10.1177/0271678X241248228>
Co-Author
Published,
Number of Contributors: 11
7. Soumagne T, Haillot A, Bergeron-Kernelly S, Boily-Daoust C, Fortin M. (2024). Evaluation of the added value of PET-CT in the management of pulmonary nodules. Lung cancer.
Co-Author
Submitted,
Number of Contributors: 5
8. Fortin M, Dorscheid Del R, Liberman M, Martel S, Shaipanich T. (2024). Bronchial Rheoplasty for Chronic Bronchitis : Results from a Canadian Feasibility Study with RheOx ®. International journal of chronic obstructive pulmonary disease. 16(19): 1673-1680.
<http://dx.doi.org/10.2147/COPD.S464506>
First Listed Author
Published,
Number of Contributors: 5
9. Dusselier M, Soumagne T, Fortin M. (2024). Bicentric evaluation of the added value of repeat endobronchial ultrasound. CHEST.
Co-Author
Submitted,
Number of Contributors: 3
10. Vakil E, Dumoulin E, Stollery D, Gillson AM, MacEachern P, Dhaliwal I, Mitchell M, Li P, Schieman C, Romatowski N, Chee AC, Tyan CC, Fortin M, Hergott CA, Tremblay A. (2024). Molecular analysis of endobronchial ultrasound needle aspirates in patients with non-small cell lung cancer: Results from the SCOPE database. Cytopathology.
Co-Author
Published,

11. Fortin M, Liberman M, Delage A, Dion G, Martel S, Rolland F, Soumagne T, Trahan S, Assayag D, Albert E, Kelly MM, Johansson KA, Guenther Z, Leduc C, Manganas H, Prenovault J, Provencher S. (2023). Transbronchial Lung Cryobiopsy and Surgical Lung Biopsy: A Prospective Multi-Centre Agreement Clinical Trial (CAN-ICE). *Am J Respir Crit Care Med*. 207(12): 1612-1619.
First Listed Author
Published,
12. Fortin M. (2023). A novel solution to detect pleural adhesions pre-operatively. *J Thorac Dis*. 15(9): 4548-4549.
First Listed Author
Published,
13. Desmeules P, Dusselier M, Bouffard C, Bafaro J, Fortin M, Labbé C, Joubert P. (2023). Retrospective assessment of complementary liquid biopsy on tissue single gene testing for tumor genotyping in advanced NSCLC. *Current Oncology*. 30(1)
<http://dx.doi.org/10.3390/curroncol30010045>
Published, Canada
14. Soumagne T, Paradis JM, Lacasse Y, Fortin M. (2022). *Safety of bronchoscopy after acute coronary syndrome*. *Respiration*. 101(6): 602-609.
Published,
Contribution Percentage: 41-50
15. Soumagne T, Fortin M. (2022). *Transaortic endosonographic-guided needle biopsy: a word of caution*. *Journal of Thoracic and Cardiovascular Surgery*. 163(1): e93-94.
<http://dx.doi.org/10.1016/j.jtcvs.2021.02.085>
Last Author
Published,
Contribution Percentage: 41-50
16. Soumagne T, Fortin M. (2022). *Nothing ventured, nothing gained*. *Journal of Thoracic and Cardiovascular Surgery*. 164(1): e53.
<http://dx.doi.org/10.1016/j.jtcvs.2021.03.055>
Last Author
Published,
Contribution Percentage: 41-50
17. Soumagne T, Guibert N, Atallah I, Lacasse Y, Dutau H, Fortin M. (2022). *Dilation versus laser resection in subglottic stenosis: protocol for a prospective international multicentre randomised controlled trial (AERATE trial)*. *BMJ Open*. 12(3)
<http://dx.doi.org/10.1136/bmjopen-2021-053730>.
Co-Author
Published,
Contribution Percentage: 31-40
18. Soumagne T, Guinde J, Roy P, Martel S, Ugalde P, Fortin M. (2022). *Lobe-specific mediastinal staging in cNO/N1 NSCLC*. *Ann Am Thorac Soc*. 19(4): 688-691.
<http://dx.doi.org/10.1513/AnnalsATS.202107-892RL>
Last Author
Published,
Contribution Percentage: 41-50

19. Romatowski NPJ, Gillson AM, Stollery D, Dumoulin E, Vakil E, Dhaliwal I, MacEachern P, Hergott CA, Tyan CC, Mitchell M, Schieman C, Fortin M, Tremblay A. (2022). *Endobronchial ultrasound transbronchial needle aspiration with a 19-gauge needle vs 21- and 22-gauge Needles for mediastinal lymphadenopathy*. *Chest*. 162(3): 712-720.
<http://dx.doi.org/10.1016/j.chest.2022.03.041>
 Co-Author
 Published,
 Contribution Percentage: 0-10
20. Quigley N, Lang-Lazdunski L, Boily-Daoust C, Couture C, Fortin M. (2022). *An unusual isolated anterior mediastinal lesion*. *Respirology Case Reports*. 10(11): e01059.
<http://dx.doi.org/10.1002/rcr2.1059>
 Published,
 Contribution Percentage: 31-40
21. Houston SA, Gu Y, Vandemoortele T, Dumoulin E, Gillson AME, Tyan CC, Sakr L, Bendiak GN, Gonzalez AV, Fortin M. (2022). *Bronchoscopy during the COVID-19 pandemic: a Canadian Thoracic Society position statement update*. *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*., 6(6): 337-343.
<http://dx.doi.org/10.1080/24745332.2022.2137317>
 Last Author
 Published,
 Contribution Percentage: 21-30
22. Millaire E, Ouellet E, Fortin M, Martel S, Milot J, Bilodeau L, Conti M, Provencher S, Dion G. (2022). *Outcomes following surgical lung biopsy for interstitial lung disease : a monocenter experience*. *Thorac Cardiovasc Surg*. 70(7): 583-588.
<http://dx.doi.org/10.1055/s-0041-1740548>
 Co-Author
 Published,
 Contribution Percentage: 0-10
23. Boily-Daoust C, Fortin M, Dumas a, Bussi res J. (2022). *Granulocyte macrophage colony-stimulating factor and whole lung lavage for pulmonary alveolar proteinosis: A synergistic effect?*. *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*. 6(2): 73-75.
<http://dx.doi.org/10.1080/24745332.2021.1873081>
 Co-Author
 Published,
 Contribution Percentage: 21-30
24. Houston SA, McDonald CM, Tyan CC, Fortin M, Sakr L, Gillson AME, Myers R, Bendiak GN, Dumoulin E, Gonzalez AV, Hergott A. (2021). *Bronchoscopy during the COVID-19 pandemic: a Canadian Thoracic Society position statement*. *Canadian Journal of Respiratory, Critical Care, and Sleep Medicine*. 5(4): 246-252.
<http://dx.doi.org/10.1080/24745332.2021.1915067>
 Co-Author
 Published,
 Contribution Percentage: 11-20
25. Guinde J, Bourdages-Pageau E, Collin-Castonguay MM, Laflamme L, L vesque-Laplane A, Marcoux S, Roy P, Ugalde PA, Lacasse Y, Fortin M. (2021). *A prediction model to optimize invasive mediastinal staging procedures for non-small cell lung cancer in patients with a radiologically normal mediastinum: the Quebec prediction model*. *Chest*. 160(6): 2283-2292.
<http://dx.doi.org/10.1016/j.chest.2021.05.062>
 Last Author
 Published, , Open Access?: No, Synthesis?: No
 Contribution Percentage: 51-60

26. Boily-Daoust C, Plante A, Adam C, Fortin M. (2021). *Performance and safety of diagnostic procedures in superior vena cava syndrome*. European Respiratory Journal Open Research. 7(1): 00392-2020.
<http://dx.doi.org/10.1183/23120541.00392-2020>
 Last Author
 Published, , Open Access?: Yes, Synthesis?: No
 Contribution Percentage: 41-50
27. Tremblay A, Chee AC, Dhaliwal I, Dumoulin E, Gillson A, MacEachern PR, Mitchell MM, Schieman C, Stollery D, Li P, Fortin M, Tyan CC, Vakil E, Hergott C. (2021). *Protocol for the Stather Canadian Outcomes registry for chest ProcedurEs (SCOPE)*. British Medical Journal Open Respiratory Research. 8(1): e000834.
<http://dx.doi.org/10.1136/bmjresp-2020-000834>
 Co-Author
 Published, , Open Access?: Yes, Synthesis?: No
 Contribution Percentage: 0-10
28. Roy P, Fortin M. (2021). *Should we expand invasive mediastinal staging to peripheral T1 lung tumors?*. Chest. 159(1): 446-447.
<http://dx.doi.org/10.1016/j.chest.2020.07.092>
 Last Author
 Published,
 Contribution Percentage: 41-50
29. Fortin M, Liberman M. (2021). *Risk of rigid bronchoscopy*. Respiriology. 26(5): 507-508.
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