

Stanford



Ann Leung

Professor of Radiology (Thoracic Imaging)

CLINICAL OFFICE (PRIMARY)

- **Diagnostic Radiology**

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**

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Bio

CLINICAL FOCUS

- Diagnostic Radiology

ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Radiology

ADMINISTRATIVE APPOINTMENTS

- Associate Chair, Stanford University School of Medicine - Radiology, (2004- present)

PROFESSIONAL EDUCATION

- Residency: University of British Columbia Radiology Residency (1992) Canada
- Internship: St Michael's Hospital Postgraduate Medical Education (1987) Canada
- Medical Education: University of British Columbia Radiology Residency (1986) Canada
- Fellowship: L'Hopital Pitie-Salpetriere (1993) France
- Board Certification: Diagnostic Radiology, American Board of Radiology (1992)
- BSc, McGill University , Biochemistry (1982)

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

High-resolution computed tomography of the thorax,, particularly its application in the setting of acute lung disease in the immunocompromised host; quantitative assessment of abnormalities, using spiral CT; and enhancement characteristics of lung cancers on, CT and MRI

CLINICAL TRIALS

- Pulmonary Interstitial Lymphography in Early Stage Lung Cancer, Not Recruiting

Publications

PUBLICATIONS

- **Racial and Ethnic Differences in Second Primary Lung Cancer Risk among Lung Cancer Survivors.** *JNCI cancer spectrum*
Choi, E., Hua, Y., Su, C. C., Wu, J. T., Neal, J. W., Leung, A. N., Backhus, L. M., Haiman, C., Le Marchand, L., Liang, S., Wakelee, H. A., Cheng, I., Han, et al
2024
- **Volumetric Analysis: Effect on Diagnosis and Management of Indeterminate Solid Pulmonary Nodules in Routine Clinical Practice.** *Journal of computer assisted tomography*
Lim, R. S., Rosenberg, J., Willemink, M. J., Cheng, S. N., Guo, H. H., Hollett, P. D., Lin, M. C., Madani, M. H., Martin, L., Pogatchnik, B. P., Pohlen, M., Shen, J., Tsai, et al
2024
- **Chronic Chest CT Findings following COVID-19 pneumonia.** *Seminars in ultrasound, CT, and MR*
Altmayer, S., Leung, A. N., de Oliveira, G. S., Prodigios, J., Patel, P., Mohammed, T. L., Verma, N., Hochhegger, B.
2024
- **Fleischner Society: Glossary of Terms for Thoracic Imaging.** *Radiology*
Bankier, A. A., MacMahon, H., Colby, T., Gevenois, P. A., Goo, J. M., Leung, A. N., Lynch, D. A., Schaefer-Prokop, C. M., Tomiyama, N., Travis, W. D., Verschakelen, J. A., White, C. S., Naidich, et al
2024; 310 (2): e232558
- **Second Primary Lung Cancer Among Lung Cancer Survivors Who Never Smoked.** *JAMA network open*
Choi, E., Su, C. C., Wu, J. T., Aredo, J. V., Neal, J. W., Leung, A. N., Backhus, L. M., Lui, N. S., Le Marchand, L., Stram, D. O., Liang, S. Y., Cheng, I., Wakelee, et al
2023; 6 (11): e2343278
- **Risk Model-Based Lung Cancer Screening and Racial and Ethnic Disparities in the US.** *JAMA oncology*
Choi, E., Ding, V. Y., Luo, S. J., Ten Haaf, K., Wu, J. T., Aredo, J. V., Wilkens, L. R., Freedman, N. D., Backhus, L. M., Leung, A. N., Meza, R., Lui, N. S., Haiman, et al
2023
- **Risk model-based management for second primary lung cancer among lung cancer survivors through a validated risk prediction model.** *Cancer*
Choi, E., Luo, S. J., Ding, V. Y., Wu, J. T., Kumar, A. V., Wampfler, J., Tammemägi, M. C., Wilkens, L. R., Aredo, J. V., Backhus, L. M., Neal, J. W., Leung, A. N., Freedman, et al
2023
- **Overall Survival Among Patients With De Novo Stage IV Metastatic and Distant Metastatic Recurrent Non-Small Cell Lung Cancer.** *JAMA network open*
Su, C. C., Wu, J. T., Choi, E., Myall, N. J., Neal, J. W., Kurian, A. W., Stehr, H., Wood, D., Henry, S. M., Backhus, L. M., Leung, A. N., Wakelee, H. A., Han, et al
2023; 6 (9): e2335813
- **A hybrid modelling approach for abstracting CT imaging indications by integrating natural language processing from radiology reports with structured data from electronic health records.**
Khan, A., Wu, J., Choi, E., Graber-Naidich, A., Henry, S., Wakelee, H. A., Kurian, A. W., Liang, S., Leung, A., Langlotz, C., Backhus, L. M., Han, S. S. AMER ASSOC CANCER RESEARCH.2023
- **Chest Imaging.** *Seminars in respiratory and critical care medicine*
Remy-Jardin, M., Leung, A. N., Lynch, D. A.
2022; 43 (6): 763
- **Utility of non-contrast-enhanced magnetic resonance imaging in predicting preoperative clinical stage and prognosis in patients with thymic epithelial tumor.** *Japanese journal of radiology*
Kuhara, A., Sumi, A., Chikasue, T., Kawaguchi, A., Tanoue, S., Nagata, S., Koganemaru, M., Abe, T., Kashihara, M., Mitsuoka, M., Ishii, H., Ohshima, K., Leung, et al
2022

- **Performance of a rule-based semi-automated method to optimize chart abstraction for surveillance imaging among patients treated for non-small cell lung cancer.** *BMC medical informatics and decision making*
Byrd, C., Ajawara, U., Laundry, R., Radin, J., Bhandari, P., Leung, A., Han, S., Asch, S. M., Zeliadt, S., Harris, A. H., Backhus, L.
2022; 22 (1): 148
- **COVID-19 Pandemic: The Road to Recovery.** *Radiology*
Leung, A. N.
2022: 220488
- **NCCN Guidelines Insights: Lung Cancer Screening, Version 1.2022.** *Journal of the National Comprehensive Cancer Network : JNCCN*
Wood, D. E., Kazerooni, E. A., Aberle, D., Berman, A., Brown, L. M., Eapen, G. A., Ettinger, D. S., Ferguson, J. S., Hou, L., Kadaria, D., Klippenstein, D., Kumar, R., Lackner, et al
2022; 20 (7): 754-764
- **A Cost-Effectiveness Analysis of Lung Cancer Screening With Low-Dose Computed Tomography and a Diagnostic Biomarker.** *JNCI cancer spectrum*
Toumazis, I., Erdogan, S. A., Bastani, M., Leung, A., Plevritis, S. K.
2021; 5 (6): pkab081
- **Evaluation of Alternative Diagnostic Follow-up Intervals for Lung Reporting and Data System Criteria on the Effectiveness of Lung Cancer Screening.** *Journal of the American College of Radiology : JACR*
Bastani, M., Toumazis, I., Hedou, J., Leung, A., Plevritis, S. K.
2021
- **Development and Validation of a Risk Prediction Tool for Second Primary Lung Cancer.** *Journal of the National Cancer Institute*
Choi, E., Sanyal, N., Ding, V. Y., Gardner, R. M., Aredo, J. V., Lee, J., Wu, J. T., Hickey, T. P., Barrett, B., Riley, T. L., Wilkens, L. R., Leung, A. N., Le Marchand, et al
2021
- **Managing Incidental Findings on Thoracic CT: Lung Findings. A White Paper of the ACR Incidental Findings Committee.** *Journal of the American College of Radiology : JACR*
Munden, R. F., Black, W. C., Hartman, T. E., MacMahon, H., Ko, J. P., Dyer, D. S., Naidich, D., Rossi, S. E., McAdams, H. P., Goodman, E. M., Brown, K., Kent, M., Carter, et al
2021
- **Multi-institution consensus paper for acquisition of portable chest radiographs through glass barriers.** *Journal of applied clinical medical physics*
McKenney, S. E., Wait, J. M., Cooper, V. N., Johnson, A. M., Wang, J., Leung, A. N., Clements, J.
2021
- **Head-to-head Comparison of Qualitative Radiologist Assessment With Automated Quantitative Computed Tomography Analysis for Bronchiolitis Obliterans Syndrome After Hematopoietic Cell Transplantation.** *Journal of thoracic imaging*
Sharifi, H., Guenther, Z. D., Leung, A. N., Johnston, L., Lai, Y. K., Hsu, J. L., Guo, H. H.
2021
- **Toxoplasmosis Among 38,751 Hematopoietic Stem Cell Transplant Recipients: A Systematic Review of Disease Prevalence and a Compilation of Imaging and Autopsy Findings.** *Transplantation*
Contopoulos-Ioannidis, D. G., Cho, S. M., Bertaina, A., Leung, A. N., Fischbein, N., Lanzman, B., Schwenk, H. T., Montoya, J. G.
2021
- **Imaging of Pulmonary Hypertension in Adults: A Position Paper from the Fleischner Society.** *Radiology*
Remy-Jardin, M., Ryerson, C. J., Schiebler, M. L., Leung, A. N., Wild, J. M., Hoepfer, M. M., Alderson, P. O., Goodman, L. R., Mayo, J., Haramati, L. B., Ohno, Y., Thistlethwaite, P., van Beek, et al
2021: 203108
- **Aorto-iliac/right leg arterial thrombosis necessitating limb amputation, pulmonary arterial, intracardiac, and ilio-caval venous thrombosis in a 40-year-old with COVID-19.** *Clinical imaging*
Madani, M. H., Leung, A. N., Becker, H. C., Chan, F. P., Fleischmann, D. n.
2021; 75: 1-4
- **A risk-based framework for assessing real-time lung cancer screening eligibility that incorporates life expectancy and past screening findings.** *Cancer*

- Toumazis, I., Alagoz, O., Leung, A., Plevritis, S. K.
2021
- **Impact of Low-Dose CT Screening for Primary Lung Cancer on Subsequent Risk of Brain Metastasis.** *Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer*
Su, C. C., Wu, J. T., Neal, J. W., Popat, R. A., Kurian, A. W., Backhus, L. M., Nagpal, S., Leung, A. N., Wakelee, H. A., Han, S. S.
2021
 - **Imaging of pulmonary hypertension in adults: a position paper from the Fleischner Society.** *The European respiratory journal*
Remy-Jardin, M., Ryerson, C. J., Schiebler, M. L., Leung, A. N., Wild, J. M., Hoepfer, M. M., Alderson, P. O., Goodman, L. R., Mayo, J., Haramati, L. B., Ohno, Y., Thistlethwaite, P., van Beek, et al
2021; 57 (1)
 - **Tobacco Smoking and Risk of Second Primary Lung Cancer.** *Journal of thoracic oncology : official publication of the International Association for the Study of Lung Cancer*
Aredo, J. V., Luo, S. J., Gardner, R. M., Sanyal, N. n., Choi, E. n., Hickey, T. P., Riley, T. L., Huang, W. Y., Kurian, A. W., Leung, A. N., Wilkens, L. R., Robbins, H. A., Riboli, et al
2021
 - **A Shallow Convolutional Neural Network Predicts Prognosis of Lung Cancer Patients in Multi-Institutional CT-Image Data.** *Nature machine intelligence*
Mukherjee, P., Zhou, M., Lee, E., Schicht, A., Balagurunathan, Y., Napel, S., Gillies, R., Wong, S., Thieme, A., Leung, A., Gevaert, O.
2020; 2 (5): 274-282
 - **The Role of Chest Imaging in Patient Management during the COVID-19 Pandemic: A Multinational Consensus Statement from the Fleischner Society.** *Radiology*
Rubin, G. D., Haramati, L. B., Kanne, J. P., Schluger, N. W., Yim, J., Anderson, D. J., Altes, T., Desai, S. R., Goo, J. M., Inoue, Y., Luo, F., Prokop, M., Richeldi, et al
2020: 201365
 - **Integrating genomic features for non-invasive early lung cancer detection.** *Nature*
Chabon, J. J., Hamilton, E. G., Kurtz, D. M., Esfahani, M. S., Moding, E. J., Stehr, H., Schroers-Martin, J., Nabet, B. Y., Chen, B., Chaudhuri, A. A., Liu, C. L., Hui, A. B., Jin, et al
2020; 580 (7802): 245-251
 - **Integrating genomic features for non-invasive early lung cancer detection** *NATURE*
Chabon, J. J., Hamilton, E. G., Kurtz, D. M., Esfahani, M. S., Moding, E. J., Stehr, H., Schroers-Martin, J., Nabet, B. Y., Chen, B., Chaudhuri, A. A., Liu, C., Hui, A. B., Jin, et al
2020
 - **A shallow convolutional neural network predicts prognosis of lung cancer patients in multi-institutional computed tomography image datasets** *Nature Machine Intelligence*
Mukherjee, P., Zhou, M., Lee, E., Schicht, A., Balagurunathan, Y., Napel, S., Gillies, R., Wong, S., Thieme, A., Leung, A., Gevaert, O.
2020; 2 (5): 274-282
 - **The Role of Chest Imaging in Patient Management during the COVID-19 Pandemic: A Multinational Consensus Statement from the Fleischner Society.** *Chest*
Rubin, G. D., Ryerson, C. J., Haramati, L. B., Sverzellati, N. n., Kanne, J. P., Raoof, S. n., Schluger, N. W., Volpi, A. n., Yim, J. J., Martin, I. B., Anderson, D. J., Kong, C. n., Altes, et al
2020
 - **Traumatic Pneumothorax Presenting as a Subcutaneous "Airball".** *American journal of respiratory and critical care medicine*
Madhok, J. n., Madani, M. H., Leung, A. N., Mihm, F. n.
2020
 - **Left Atrial Volume as a Biomarker of Atrial Fibrillation at Routine Chest CT: Deep Learning Approach.** *Radiology. Cardiothoracic imaging*
Bratt, A., Guenther, Z., Hahn, L. D., Kadoch, M., Adams, P. L., Leung, A. N., Guo, H. H.
2019; 1 (5): e190057
 - **Bone Marrow and Tumor Radiomics at 18F-FDG PET/CT: Impact on Outcome Prediction in Non-Small Cell Lung Cancer.** *Radiology*
Mattonen, S. A., Davidzon, G. A., Benson, J., Leung, A. N., Vasanawala, M., Hornig, G., Shrager, J. B., Napel, S., Nair, V. S.

2019; 190357

- **Cost-Effectiveness Analysis of Lung Cancer Screening Accounting for the Effect of Indeterminate Findings** *JNCI CANCER SPECTRUM*
Toumazis, I., Tsai, E. B., Erdogan, S., Han, S. S., Wan, W., Leung, A., Plevritis, S. K.
2019; 3 (3)
- **Cost-Effectiveness Analysis of Lung Cancer Screening Accounting for the Effect of Indeterminate Findings.** *JNCI cancer spectrum*
Toumazis, I., Tsai, E. B., Erdogan, S. A., Han, S. S., Wan, W., Leung, A., Plevritis, S. K.
2019; 3 (3): pkz035
- **[18F] FDG Positron Emission Tomography (PET) Tumor and Penumbra Imaging Features Predict Recurrence in Non-Small Cell Lung Cancer** *TOMOGRAPHY*
Mattonen, S. A., Davidzon, G. A., Bakr, S., Echegaray, S., Leung, A. C., Vasanaawala, M., Horng, G., Napel, S., Nair, V. S.
2019; 5 (1): 145–53
- **[18F] FDG Positron Emission Tomography (PET) Tumor and Penumbra Imaging Features Predict Recurrence in Non-Small Cell Lung Cancer.** *Tomography (Ann Arbor, Mich.)*
Mattonen, S. A., Davidzon, G. A., Bakr, S., Echegaray, S., Leung, A. N., Vasanaawala, M., Horng, G., Napel, S., Nair, V. S.
2019; 5 (1): 145–53
- **Inter-observer agreement in identifying traction bronchiectasis on computed tomography: its improvement with the use of the additional criteria for chronic fibrosing interstitial pneumonia.** *Japanese journal of radiology*
Tominaga, J. n., Bankier, A. A., Lee, K. S., Leung, A. N., Remy-Jardin, M. n., Akira, M. n., Arakawa, H. n., Boiselle, P. M., Franquet, T. n., Fujimoto, K. n., Gevenois, P. A., Goo, J. M., Grenier, et al
2019
- **Left Atrial Volume as a Biomarker of Atrial Fibrillation at Routine Chest CT: Deep Learning Approach** *Radiology: Cardiothoracic Imaging*
Bratt, A., Guenther, Z., Lewis, H., Kadoch, M., Adams, P. L., Leung, A. N., Guo, H. H.
2019; 1 (5): 1-7
- **Emergent high fatality lung disease in systemic juvenile arthritis.** *Annals of the rheumatic diseases*
Saper, V. E., Chen, G. n., Deutsch, G. H., Guillerman, R. P., Birgmeier, J. n., Jagadeesh, K. n., Canna, S. n., Schuler, G. n., Deterding, R. n., Xu, J. n., Leung, A. N., Bouzoubaa, L. n., Abulaban, et al
2019
- **An Analysis of Lung Cancer Screening Beliefs and Practice Patterns for Community Providers Compared to Academic Providers** *CANCER CONTROL*
Khairy, M., Duong, D. K., Shariff-Marco, S., Cheng, I., Jain, J., Balakrishnan, A., Liu, L., Gupta, A., Chandramouli, R., Hsing, A., Leung, A., Singh, B., Nair, et al
2018; 25 (1)
- **A radiogenomic dataset of non-small cell lung cancer** *SCIENTIFIC DATA*
Bakr, S., Gevaert, O., Echegaray, S., Ayers, K., Zhou, M., Shafiq, M., Zheng, H., Benson, J., Zhang, W., Leung, A. C., Kadoch, M., Hoang, C. D., Shrager, et al
2018; 5
- **A radiogenomic dataset of non-small cell lung cancer.** *Scientific data*
Bakr, S., Gevaert, O., Echegaray, S., Ayers, K., Zhou, M., Shafiq, M., Zheng, H., Benson, J. A., Zhang, W., Leung, A. N., Kadoch, M., D Hoang, C., Shrager, et al
2018; 5: 180202
- **Invited Commentary on "Updated Fleischner Society Guidelines for Managing Incidental Pulmonary Nodules".** *Radiographics : a review publication of the Radiological Society of North America, Inc*
Leung, A. N.
2018; 38 (5): 1350–51
- **Invited Commentary on "Updated Fleischner Society Guidelines for Managing Incidental Pulmonary Nodules"** *RADIOGRAPHICS*
Leung, A. N.
2018; 38 (5): 1350–51
- **Managing Incidental Findings on Thoracic CT: Mediastinal and Cardiovascular Findings. A White Paper of the ACR Incidental Findings Committee** *JOURNAL OF THE AMERICAN COLLEGE OF RADIOLOGY*

- Munden, R. F., Carter, B. W., Chiles, C., MacMahon, H., Black, W. C., Ko, J. P., McAdams, H., Rossi, S. E., Leung, A. N., Boiselle, P. M., Kent, M. S., Brown, K., Dyer, et al
2018; 15 (8): 1087–96
- **Computed Tomography Features associated With the Eighth Edition TNM Stage Classification for Thymic Epithelial Tumors** *JOURNAL OF THORACIC IMAGING*
Padda, S. K., Terrone, D., Tian, L., Khuong, A., Neal, J. W., Riess, J. W., Berry, M. F., Hoang, C. D., Burt, B. M., Leung, A. N., Schwartz, E. J., Shrager, J. B., Wakelee, et al
2018; 33 (3): 176–83
 - **Lung Cancer Screening, Version 3.2018** *JOURNAL OF THE NATIONAL COMPREHENSIVE CANCER NETWORK*
Wood, D. E., Kazerooni, E. A., Baum, S. L., Eapen, G. A., Ettinger, D. S., Hou, L., Jackman, D. M., Klippenstein, D., Kumar, R., Lackner, R. P., Leard, L. E., Lennes, I. T., Leung, et al
2018; 16 (4): 412–41
 - **Presence of Even a Small Ground-Glass Component in Lung Adenocarcinoma Predicts Better Survival** *CLINICAL LUNG CANCER*
Berry, M. F., Gao, R., Kunder, C. A., Backhus, L., Khuong, A., Kadoch, M., Leung, A., Shrager, J.
2018; 19 (1): E47–E51
 - **An Analysis of Lung Cancer Screening Beliefs and Practice Patterns for Community Providers Compared to Academic Providers.** *Cancer control : journal of the Moffitt Cancer Center*
Khairy, M., Duong, D. K., Shariff-Marco, S., Cheng, I., Jain, J., Balakrishnan, A., Liu, L., Gupta, A., Chandramouli, R., Hsing, A., Leung, A., Singh, B., Nair, et al
2018; 25 (1): 1073274818806900
 - **Non-Small Cell Lung Cancer Radiogenomics Map Identifies Relationships between Molecular and Imaging Phenotypes with Prognostic Implications.** *Radiology*
Zhou, M. n., Leung, A. n., Echegaray, S. n., Gentles, A. n., Shrager, J. B., Jensen, K. C., Berry, G. J., Plevritis, S. K., Rubin, D. L., Napel, S. n., Gevaert, O. n.
2018; 286 (1): 307–15
 - **Evaluating the impact of varied compliance to lung cancer screening recommendations using a microsimulation model** *CANCER CAUSES & CONTROL*
Han, S. S., Erdogan, S., Toumazis, I., Leung, A., Plevritis, S. K.
2017; 28 (9): 947–58
 - **Prediction of EGFR and KRAS mutation in non-small cell lung cancer using quantitative 18F FDG-PET/CT metrics.** *Oncotarget*
Minamimoto, R., Jamali, M., Gevaert, O., Echegaray, S., Khuong, A., Hoang, C. D., Shrager, J. B., Plevritis, S. K., Rubin, D. L., Leung, A. N., Napel, S., Quon, A.
2017; 8 (32): 52792-52801
 - **Guidelines for Management of Incidental Pulmonary Nodules Detected on CT Images: From the Fleischner Society 2017** *RADIOLOGY*
MacMahon, H., Naidich, D. P., Goo, J., Lee, K., Leung, A. C., Mayo, J. R., Mehta, A. C., Ohno, Y., Powell, C. A., Prokop, M., Rubin, G. D., Schaefer-Prokop, C. M., Travis, et al
2017; 284 (1): 228–43
 - **Patient and primary care provider attitudes and adherence towards lung cancer screening at an academic medical center.** *Preventive medicine reports*
Duong, D. K., Shariff-Marco, S., Cheng, I., Naemi, H., Moy, L. M., Haile, R., Singh, B., Leung, A., Hsing, A., Nair, V. S.
2017; 6: 17-22
 - **Prediction of EGFR and KRAS mutation in non-small cell lung cancer using quantitative 18F FDG-PET/CT metrics.** *Oncotarget*
Minamimoto, R., Jamali, M., Gevaert, O., Echegaray, S., Khuong, A., Hoang, C. D., Shrager, J. B., Plevritis, S. K., Rubin, D. L., Leung, A. N., Napel, S., Quon, A.
2017
 - **Left Atrium Maximal Axial Cross-Sectional Area is a Specific Computed Tomographic Imaging Biomarker of World Health Organization Group 2 Pulmonary Hypertension.** *Journal of thoracic imaging*
Jivraj, K., Bedayat, A., Sung, Y. K., Zamanian, R. T., Haddad, F., Leung, A. N., Rosenberg, J., Guo, H. H.
2017; 32 (2): 121-126
 - **Thoracic Imaging Features of Legionnaire's Disease** *INFECTIOUS DISEASE CLINICS OF NORTH AMERICA*

- Mittal, S., Singh, A. P., Gold, M., Leung, A. N., Haramati, L. B., Katz, D. S.
2017; 31 (1): 43-+
- **Predictive radiogenomics modeling of EGFR mutation status in lung cancer** *SCIENTIFIC REPORTS*
Gevaert, O., Echegaray, S., Khuong, A., Hoang, C. D., Shrager, J. B., Jensen, K. C., Berry, G. J., Guo, H. H., Lau, C., Plevritis, S. K., Rubin, D. L., Napel, S., Leung, et al
2017; 7
 - **Radiomics and its emerging role in lung cancer research, imaging biomarkers and clinical management: State of the art**
Lee, G., Lee, H., Park, H., Schiebler, M. L., van Beek, E. R., Ohno, Y., Seo, J., Leung, A.
ELSEVIER IRELAND LTD.2017: 297–307
 - **A Rapid Segmentation-Insensitive "Digital Biopsy" Method for Radiomic Feature Extraction: Method and Pilot Study Using CT Images of Non-Small Cell Lung Cancer.** *Tomography : a journal for imaging research*
Echegaray, S., Nair, V., Kadoch, M., Leung, A., Rubin, D., Gevaert, O., Napel, S.
2016; 2 (4): 283-294
 - **Adaptation of Mycobacterium tuberculosis to Impaired Host Immunity in HIV-Infected Patients** *JOURNAL OF INFECTIOUS DISEASES*
Walter, N. D., de Jong, B. C., Garcia, B. J., Dolganov, G. M., Worodria, W., Byanyima, P., Musisi, E., Huang, L., Chan, E. D., Van, T. T., Antonio, M., Ayorinde, A., Kato-Maeda, et al
2016; 214 (8): 1205-1211
 - **A Rapid Segmentation-Insensitive 'Digital Biopsy' Method for Radiomic Feature Extraction; Method and Pilot Study Using CT Images of Non-Small Cell Lung Cancer** *Tomography*
Echegaray, S., Nair, V., Kadoch, M., Leung, A., Rubin, D., Gevaert, O., Napel Sandy , et al
2016; 2 (4): 283–94
 - **Diameter of Solid Tumor Component Alone Should be Used to Establish T Stage in Lung Adenocarcinoma.** *Annals of surgical oncology*
Burt, B. M., Leung, A. N., Yanagawa, M., Chen, W., Groth, S. S., Hoang, C. D., Nair, V. S., Shrager, J. B.
2015; 22: 1318-1323
 - **Diameter of Solid Tumor Component Alone Should be Used to Establish T Stage in Lung Adenocarcinoma** *ANNALS OF SURGICAL ONCOLOGY*
Burt, B. M., Leung, A. N., Yanagawa, M., Chen, W., Groth, S. S., Hoang, C. D., Nair, V. S., Shrager, J. B.
2015; 22: S1318-S1323
 - **Computed Tomography (CT) Characteristics Associated with the Proposed IASLC/ITMIG TNM Pathologic Staging System for Thymoma**
Padda, S. K., Terrone, D., Khuong, A., Tian, L., Neal, J. W., Riess, J. W., Berry, M., Leung, A. N., Schwartz, E. J., Shrager, J. B., Wakelee, H. A.
ELSEVIER SCIENCE INC.2015: S196
 - **Predicting adenocarcinoma recurrence using computational texture models of nodule components in lung CT (vol 42, pg 2054, 2015)** *MEDICAL PHYSICS*
Depeursinge, A., Yanagawa, M., Leung, A. N., Rubin, D. L.
2015; 42 (5): 2653
 - **Automated classification of usual interstitial pneumonia using regional volumetric texture analysis in high-resolution computed tomography.** *Investigative radiology*
Depeursinge, A., Chin, A. S., Leung, A. N., Terrone, D., Bristow, M., Rosen, G., Rubin, D. L.
2015; 50 (4): 261-267
 - **Predicting adenocarcinoma recurrence using computational texture models of nodule components in lung CT** *MEDICAL PHYSICS*
Depeursinge, A., Yanagawa, M., Leung, A. N., Rubin, D. L.
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