

Stanford



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- **Clinical**

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CLINICAL FOCUS

- Radiation Oncology
- Head and neck cancer
- Lung cancer

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Radiation Oncology - Radiation Therapy

PROFESSIONAL EDUCATION

- Residency: University of Washington Dept of Radiation Oncology (2015) WA
- Board Certification: Radiation Oncology, American Board of Radiology (2016)
- Internship: Johns Hopkins Hospital Internal Medicine Residency (2011) MD
- Medical Education: Vanderbilt University (2010) TN
- AB with honors, Harvard College, Physics (2005)

LINKS

- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>

Research & Scholarship

CLINICAL TRIALS

- Radical-Dose Image Guided Radiation Therapy in Treating Patients With Metastatic Non-small Cell Lung Cancer Undergoing Immunotherapy, Recruiting

Publications

PUBLICATIONS

- **Radiographic Extranodal Extension in Human Papillomavirus-Associated Oropharyngeal Carcinoma: Can it Help Tailor Treatment?** *International journal of radiation oncology, biology, physics*
Gensheimer, M. F., Le, Q.
2019; 104 (5): 1028–29
- **Automated Survival Prediction in Metastatic Cancer Patients Using High-Dimensional Electronic Medical Record Data** *JNCI-JOURNAL OF THE NATIONAL CANCER INSTITUTE*
Gensheimer, M. F., Henry, A., Wood, D. J., Hastie, T. J., Aggarwal, S., Dudley, S. A., Pradhan, P., Banerjee, I., Cho, E., Ramchandran, K., Pollom, E., Koong, A. C., Rubin, et al
2019; 111 (6): 568–74
- **Adverse Radiation Effect and Disease Control in Patients Undergoing Stereotactic Radiosurgery and Immune Checkpoint Inhibitor Therapy for Brain Metastases** *WORLD NEUROSURGERY*
Koenig, J. L., Shi, S., Sborov, K., Gensheimer, M. F., Le, G., Nagpal, S., Chang, S. D., Gibbs, I. C., Soltys, S. G., Pollom, E. L.
2019; 126: E1399–E1411
- **Increases in Serial Pretreatment 18F-FDG PET-CT Metrics Predict Survival in Early Stage Non-Small Cell Lung Cancer Treated With Stereotactic Ablative Radiation Therapy.** *Advances in radiation oncology*
Prionas, N. D., von Eyben, R., Yi, E., Aggarwal, S., Shaffer, J., Bazan, J., Eastham, D., Maxim, P. G., Graves, E. E., Diehn, M., Gensheimer, M. F., Loo, B. W.
2019; 4 (2): 429–37
- **Adverse Radiation Effect and Disease Control in Patients Undergoing Stereotactic Radiosurgery and Immune Checkpoint Inhibitor Therapy for Brain Metastases.** *World neurosurgery*
Koenig, J. L., Shi, S., Sborov, K., Gensheimer, M. F., Li, G., Nagpal, S., Chang, S. D., Gibbs, I. C., Soltys, S. G., Pollom, E. L.
2019
- **Impact of Accuracy of Survival Predictions on Quality of End-of-Life Care Among Patients With Metastatic Cancer Who Receive Radiation Therapy.** *Journal of oncology practice*
Sborov, K., Giaretta, S., Koong, A., Aggarwal, S., Aslakson, R., Gensheimer, M. F., Chang, D. T., Pollom, E. L.
2019; JOP1800516
- **A scalable discrete-time survival model for neural networks.** *PeerJ*
Gensheimer, M. F., Narasimhan, B.
2019; 7: e6257
- **Adaptive radiotherapy for head and neck cancer: Are we ready to put it into routine clinical practice?** *Oral oncology*
Gensheimer, M. F., Le, Q.
2018; 86: 19–24
- **Automated Survival Prediction in Metastatic Cancer Patients Using High-Dimensional Electronic Medical Record Data.** *Journal of the National Cancer Institute*
Gensheimer, M. F., Henry, A. S., Wood, D. J., Hastie, T. J., Aggarwal, S., Dudley, S. A., Pradhan, P., Banerjee, I., Cho, E., Ramchandran, K., Pollom, E., Koong, A. C., Rubin, et al
2018
- **Factors Associated With Treatment of Clinical Stage I Non-Small-cell Lung Cancer: A Population-based Analysis.** *Clinical lung cancer*
Berry, M. F., Canchola, A. J., Gensheimer, M. F., Gomez, S. L., Cheng, I.
2018; 19 (5): e745–e758
- **Probabilistic Prognostic Estimates of Survival in Metastatic Cancer Patients (PPES-Met) Utilizing Free-Text Clinical Narratives.** *Scientific reports*
Banerjee, I., Gensheimer, M. F., Wood, D. J., Henry, S., Aggarwal, S., Chang, D. T., Rubin, D. L.
2018; 8 (1): 10037
- **A Quantitative CT Imaging Signature Predicts Survival and Complements Established Prognosticators in Stage I Non-Small Cell Lung Cancer.** *International journal of radiation oncology, biology, physics*
Lee, J., Li, B., Cui, Y., Sun, X., Wu, J., Zhu, H., Yu, J., Gensheimer, M. F., Loo, B. W., Diehn, M., Li, R.

2018

- **In Regard to Valdes et al.** *International journal of radiation oncology, biology, physics*
Gensheimer, M. F., Trister, A. D.
2018; 102 (5): 1593–94
- **Prognostic Value of Pretreatment FDG-PET Parameters in High-dose Image-guided Radiotherapy for Oligometastatic Non-Small-cell Lung Cancer.** *Clinical lung cancer*
Chin, A. L., Kumar, K. A., Guo, H. H., Maxim, P. G., Wakelee, H., Neal, J. W., Diehn, M., Loo, B. W., Gensheimer, M. F.
2018
- **Mid-radiotherapy PET/CT for prognostication and detection of early progression in patients with stage III non-small cell lung cancer** *RADIOTHERAPY AND ONCOLOGY*
Gensheimer, M. F., Hong, J. C., Chang-Halpenny, C., Zhu, H., Eclov, N. W., To, J., Murphy, J. D., Wakelee, H. A., Neal, J. W., Le, Q., Hara, W. Y., Quon, A., Maxim, et al
2017; 125 (2): 338–43
- **Practical workflow for rapid prototyping of radiation therapy positioning devices** *PRACTICAL RADIATION ONCOLOGY*
Gensheimer, M. F., Bush, K., Juang, T., Herzberg, B., Villegas, M., Maxim, P. G., Diehn, M., Loo, B. W.
2017; 7 (6): 442–45
- **Pulmonary function after lung tumor stereotactic ablative radiotherapy depends on regional ventilation within irradiated lung.** *Radiotherapy and oncology*
Binkley, M. S., King, M. T., Shrager, J. B., Bush, K., Chaudhuri, A. A., Papat, R., Gensheimer, M. F., Maxim, P. G., Henry Guo, H., Diehn, M., Nair, V. S., Loo, B. W.
2017; 123 (2): 270-275
- **Optimal Radiation Therapy for Small Cell Lung Cancer.** *Current treatment options in oncology*
Gensheimer, M. F., Loo, B. W.
2017; 18 (4): 21-?
- **Prognostic value and molecular correlates of a CT image-based quantitative pleural contact index in early stage NSCLC.** *European radiology*
Lee, J., Cui, Y., Sun, X., Li, B., Wu, J., Li, D., Gensheimer, M. F., Loo, B. W., Diehn, M., Li, R.
2017
- **Sinoatrial node toxicity after stereotactic ablative radiation therapy to lung tumors.** *Practical radiation oncology*
Qian, Y., Zhu, H., Pollom, E. L., Durkee, B. Y., Chaudhuri, A. A., Gensheimer, M. F., Diehn, M., Shultz, D. B., Loo, B. W.
2017
- **Chest wall dose reduction using noncoplanar volumetric modulated arc radiation therapy for lung stereotactic ablative radiation therapy.** *Practical radiation oncology*
Yu, A. S., Maxim, P. G., Loo, B. W., Gensheimer, M. F.
2017
- **Early detection of molecular residual disease in localized lung cancer by circulating tumor DNA profiling.** *Cancer discovery*
Chaudhuri, A. A., Chabon, J. J., Lovejoy, A. F., Newman, A. M., Stehr, H., Azad, T. D., Khodadoust, M. S., Esfahani, M. S., Liu, C. L., Zhou, L., Scherer, F., Kurtz, D. M., Say, et al
2017
- **Contribution of submandibular gland and swallowing structure sparing to post-radiation therapy PEG dependence in oropharynx cancer patients treated with split-neck IMRT technique** *RADIATION ONCOLOGY*
Gensheimer, M. F., Nyflot, M., Laramore, G. E., Liao, J. J., Parvathaneni, U.
2016; 11
- **Hypofractionated Intensity-Modulated Radiotherapy for Patients With Non-Small-Cell Lung Cancer.** *Clinical lung cancer*
Pollom, E. L., Qian, Y., Durkee, B. Y., von Eyben, R., Maxim, P. G., Shultz, D. B., Gensheimer, M., Diehn, M., Loo, B. W.
2016; 17 (6): 588-594
- **Robust Intratumor Partitioning to Identify High-Risk Subregions in Lung Cancer: A Pilot Study.** *International journal of radiation oncology, biology, physics*
Wu, J., Gensheimer, M. F., Dong, X., Rubin, D. L., Napel, S., Diehn, M., Loo, B. W., Li, R.
2016; 95 (5): 1504-1512

- **Pre-treatment non-target lung FDG-PET uptake predicts symptomatic radiation pneumonitis following Stereotactic Ablative Radiotherapy (SABR).** *Radiotherapy and oncology*
Chaudhuri, A. A., Binkley, M. S., Rigdon, J., Carter, J. N., Aggarwal, S., Dudley, S. A., Qian, Y., Kumar, K. A., Hara, W. Y., Gensheimer, M., Nair, V. S., Maxim, P. G., Shultz, et al
2016; 119 (3): 454-460
- **SU-D-207B-05: Robust Intra-Tumor Partitioning to Identify High-Risk Subregions for Prognosis in Lung Cancer.** *Medical physics*
Wu, J., Gensheimer, M., Dong, X., Rubin, D., Napel, S., Diehn, M., Loo, B., Li, R.
2016; 43 (6): 3349-?
- **Influence of planning time and treatment complexity on radiation therapy errors.** *Practical radiation oncology*
Gensheimer, M. F., Zeng, J., Carlson, J., Spady, P., Jordan, L., Kane, G., Ford, E. C.
2016; 6 (3): 187-193
- **Mentorship Programs in Radiation Oncology Residency Training Programs: A Critical Unmet Need** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Dhami, G., Gao, W., Gensheimer, M. F., Trister, A. D., Kane, G., Zeng, J.
2016; 94 (1): 27-30
- **Simple tool for prediction of parotid gland sparing in intensity-Modulated radiation therapy** *MEDICAL DOSIMETRY*
Gensheimer, M. F., Hummel-Kramer, S. M., Cain, D., Quang, T. S.
2015; 40 (3): 232-234
- **Trimodality Treatment of Malignant Pleural Mesothelioma: An Institutional Review.** *American journal of clinical oncology*
Kapeles, M., Gensheimer, M. F., Mart, D. A., Sottero, T. L., Kusano, A. S., Truong, A., Farjah, F., Laramore, G. E., Stelzer, K. J., Patel, S. A.
2015: -?
- **Assessing the scale of tumor heterogeneity by complete hierarchical segmentation of MRI** *PHYSICS IN MEDICINE AND BIOLOGY*
Gensheimer, M. F., Hawkins, D. S., Ermoian, R. P., Trister, A. D.
2015; 60 (3): 977-993
- **The use of stereotactic radiosurgery for brain metastases from breast cancer: Who benefits most?** *BREAST CANCER RESEARCH AND TREATMENT*
Cho, E., Rubinstein, L., Stevenson, P., Gooley, T., Philips, M., Halasz, L. M., Gensheimer, M. F., Linden, H. M., Rockhill, J. K., Gadi, V. K.
2015; 149 (3): 743-749
- **Submandibular gland-sparing radiation therapy for locally advanced oropharyngeal squamous cell carcinoma: patterns of failure and xerostomia outcomes** *RADIATION ONCOLOGY*
Gensheimer, M. F., Liao, J. J., Garden, A. S., Laramore, G. E., Parvathaneni, U.
2014; 9
- **Neutron Radiotherapy for Adenoid Cystic Carcinoma of the Lacrimal Gland** *OPHTHALMIC PLASTIC AND RECONSTRUCTIVE SURGERY*
Gensheimer, M. F., Rainey, D., Douglas, J. G., Liao, J. J., Laramore, G. E., Jian-Amadi, A., Chow, L. Q., Koh, W., Parvathaneni, U.
2013; 29 (4): 256-260
- **Challenges and opportunities in patient-specific, motion-managed and PET/CT-guided radiation therapy of lung cancer: review and perspective.** *Clinical and translational medicine*
Bowen, S. R., Nyflot, M. J., Gensheimer, M., Hendrickson, K. R., Kinahan, P. E., Sandison, G. A., Patel, S. A.
2012; 1 (1): 18-?
- **IN VIVO PROTON BEAM RANGE VERIFICATION USING SPINE MRI CHANGES** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
Gensheimer, M. F., Yock, T. I., Liebsch, N. J., Sharp, G. C., Paganetti, H., Madan, N., Grant, P. E., Bortfeld, T.
2010; 78 (1): 268-275
- **Administration of oxaliplatin to a pregnant woman with rectal cancer** *CANCER CHEMOTHERAPY AND PHARMACOLOGY*
Gensheimer, M., Jones, C. A., Graves, C. R., Merchant, N. B., Lockhart, A. C.
2009; 63 (2): 371-373
- **Chalcone isomerase family and fold: No longer unique to plants** *PROTEIN SCIENCE*
Gensheimer, M., Mushegian, A.

