Stanford

Elham Rahimy, MD

Clinical Assistant Professor, Radiation Oncology - Radiation Therapy

CLINICAL OFFICE (PRIMARY)

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Bio

BIO

Dr. Rahimy is a radiation oncologist who treats patients with brain, spine, gastrointestinal, and metastatic tumors. She received her medical training at Yale, followed by residency at Stanford. She is a Clinical Assistant Professor with the Stanford Department of Radiation Oncology.

Dr. Rahimy's technical expertise includes CyberKnife Radiosurgery and MRI-guided adaptive planning. She is also actively involved in radiation oncology research and clinical trials. Her interests include improving patient and resident education, and enhancing patient quality of life and survivorship. She leads quality initiatives as a Quality Physician Improvement Leader, and serves as the Medical Student Clerkship Director.

CLINICAL FOCUS

- Radiation Oncology
- CyberKnife Radiosurgery
- Brain and spine tumors
- Metastatic disease
- Gastrointestinal tumors

ACADEMIC APPOINTMENTS

- Clinical Assistant Professor, Radiation Oncology - Radiation Therapy

ADMINISTRATIVE APPOINTMENTS

- Associate Quality Improvement Leader, Stanford Radiation Oncology, (2024- present)
- Associate Program Director, Stanford Radiation Oncology Residency Program, (2023-2024)
- Director, Radiation Oncology Medical Student Clerkship, (2022- present)

PROFESSIONAL EDUCATION

- Residency: Stanford University Dept of Radiation Oncology (2022) CA

- Board Certification: Radiation Oncology, American Board of Radiology (2023)
- Internship: Scripps Mercy Hospital San Diego (2018) CA
- Medical Education: Yale School Of Medicine (2017) CT

Publications

PUBLICATIONS

- **Phase 2 test of QBS72S for breast cancer leptomeningeal disease.** *Neuro-oncology*
  Nagpal, S., Carlson-Clarke, B., Rout, S. S., Trinh, T. T., Roy-O'Reilly, M., Tedjakusuma, S. N., Taiwo, R., Harary, P. M., Granucci, M., Chernikova, S. B., Bertrand, S., Therkelsen, K. E., Han, et al
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- **Arterial Spin Labeling-Derived Fractional Tumor Burden as a Primary Biomarker for Differentiating Recurrent Tumor from Radiation Necrosis After Stereotactic Radiosurgery.** *AJNR. American journal of neuroradiology*
  Christodoulou, R., Rahimy, E., Pollom, E. L., Hayden Gephart, M., Nagpal, S., Soltys, S., Iv, M.
  2026

- **Stereotactic Radiosurgery for Malignant Melanotic Nerve Sheath Tumors: A Case Series.** *Cureus*
  Nguyen, C. C., Chiang, J. S., Pollom, E., Rahimy, E., Tupper, L., Gephart, M. H., Lim, M., Wilson, T. J., Chang, S. D., Soltys, S. G.
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- **Chest wall heterotopic ossification causing restrictive physiology after resuscitative thoracotomy and surgical stabilization of rib fractures: a report and review.** *Trauma surgery & acute care open*
  Knight, A. W., Anderson, M., Rahimy, E., Forrester, J.
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- **CyberKnife stereotactic radiosurgery, stereotactic radiation therapy and stereotactic body radiation therapy: Technical and clinical updates.** *Journal of radiosurgery and SBRT*
  Kattaa, A. H., Park, D. J., Pollom, E., Rahimy, E., Chang, S. D., Wang, L., Byun, J., Soltys, S. G.
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- **A WEb-Accessible comprehensiVE platform for automatic vestibular schwannoma segmentation and longitudinal volumetric tracking.** *Neuro-oncology advances*
  Prashad, R., Szalkowski, G., Wang, J. Y., Lam, F. C., Kattaa, A. H., Sanker, V., Chuang, C., Wang, L., Liu, L., Wang, Q., Zhu, Y., Chen, M., Gibbs, et al
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- **CyberKnife stereotactic radiosurgery, stereotactic radiation therapy and stereotactic body radiation therapy: Technical and clinical updates** *JOURNAL OF RADIOSURGERY AND SBRT*
  Kattaa, A. H., Park, D. J., Pollom, E., Rahimy, E., Chang, S. D., Wang, L., Byun, J., Soltys, S. G.
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- **Efficacy and Safety of CyberKnife Stereotactic Radiosurgery for Occipital Condyle Metastasis** *NEUROSURGERY PRACTICE*
  Park, D. J., Voruganti, H., Annagiri, S., Shaghaghian, E., Hori, Y. S., Persad, A. R., Yoo, K. H., Abu-Reesh, D., Lam, F. C., Tayag, A., Ustrzynski, L., Emrich, S. C., Han, et al
  2025; 6 (4)

- **Efficacy and Safety of CyberKnife Stereotactic Radiosurgery for Occipital Condyle Metastasis.** *Neurosurgery practice*
  Park, D. J., Voruganti, H., Annagiri, S., Shaghaghian, E., Hori, Y. S., Persad, A. R., Yoo, K. H., Abu-Reesh, D., Lam, F. C., Tayag, A., Ustrzynski, L., Emrich, S. C., Han, et al
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- **Repeat stereotactic radiosurgery for treatment of brain metastases locally recurrent following initial radiosurgery.** *Journal of neuro-oncology*
  Hall, J. C., Goel, K., Lozko, Y., Chang, S. D., Park, D. J., Hori, Y. S., Lam, F. C., AbuReesh, D., Jackson, S., Li, G., Hayden-Gephart, M., Kaneko, T., Nagpal, et al
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- **Vertebral fracture following primary stereotactic body radiation therapy for spinal bone metastases: a decade of experience.** *Journal of neurosurgery. Spine*

Chou, K. N., Park, D. J., Sanker, V., Ye, X., Hori, Y. S., Persad, A. R., Chuang, C., Emrich, S. C., Ustrzynski, L. P., Tayag, A., Kumar, K. A., Usoz, M., Mendoza, et al

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- **Understanding the Radiobiology of Central Nervous System Diseases in the Golden Age of Radiosurgery-Does It Matter?** *Brain sciences*

  Lam, F. C., Byun, J., Guru, S., AbuReesh, D., Hori, Y. S., Rahimy, E., Pollom, E. L., Soltys, S., Park, D. J., Chang, S. D.

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  Klebaner, D., Brown, E., Fisher, G. A., Shelton, A., Johnson, T. P., Shaheen, S., Chen, C., Heestand, G., Holden, T., Bien, J., King, D. A., Dawes, A. J., Morris, et al

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- **Phase I/II Dose-Escalation Trial of 3-Fraction Stereotactic Radiosurgery for Resection Cavities from Large Brain Metastases.** *International journal of radiation oncology, biology, physics*

  Klebaner, D., Pollom, E. L., Rahimy, E., Gibbs, I. C., Adler, J. R., Chang, S. D., Li, G., Choi, C. Y., Soltys, S. G.

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  Pratapneni, A., Klebaner, D., Soltys, S. G., Rahimy, E., Gibbs, I. C., Chang, S. D., Li, G., Hayden Gephart, M., Veeravagu, A., Szalkowski, G. A., Gu, X., Wang, L., Chuang, et al

  2025; 25 (1): 323

- **Use of Carbon Fiber Implants to Improve the Safety and Efficacy of Radiation Therapy for Spine Tumor Patients.** *Brain sciences*

  Lam, F. C., Guru, S., AbuReesh, D., Hori, Y. S., Chuang, C., Liu, L., Wang, L., Gu, X., Szalkowski, G. A., Wang, Z., Wohlers, C., Tayag, A., Emrich, et al

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- **Primary Stereotactic Body Radiotherapy for Spinal Bone Metastases From Lung Adenocarcinoma** *CLINICAL LUNG CANCER*

  Chou, K., Park, D. J., Hori, Y. S., Persad, A. R., Chuang, C., Emrish, S. C., Ustrzynski, L., Tayag, A., Kumar, K., Usoz, M., Mendoza, M., Rahimy, E., Pollom, et al

  2024; 25 (7): e337-e347

- **Safety of pelvic and abdominal radiation therapy for patients with inflammatory bowel disease: a dosimetric analysis of acute bowel toxicity.** *International journal of radiation oncology, biology, physics*

  Hall, J. C., Hall, A. K., Lozko, Y., Hui, C., Baniel, C. C., Jackson, S., Vitzthum, L. K., Chang, D. T., Rahimy, E., Pollom, E. L.

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- **KEAP1-mutant atypical meningioma: illustrative case.** *Journal of neurosurgery. Case lessons*

  Harary, P. M., Hori, Y. S., Persad, A. R., Tayag, A., Ustrzynski, L., Emrich, S. C., Rahimy, E., Park, D. J., Li, G., Chang, S. D.

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- **Cultural and social barriers to hope in gastrointestinal cancer patients.** *Journal of gastrointestinal oncology*

  Qu, V., Hui, C., Fang, Z., Jackson, S., Vitzthum, L., Rahimy, E., Hall, J., Pollom, E. L.

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- **Cultural and social barriers to hope in gastrointestinal cancer patients** *JOURNAL OF GASTROINTESTINAL ONCOLOGY*

  Qu, V., Hui, C., Fang, Z., Jackson, S., Vitzthum, L., Rahimy, E., Hall, J., Pollom, E. L.

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- **Stereotactic body radiotherapy for painful spinal metastases: a decade of experience at a single institution.** *Journal of neurosurgery. Spine*

  Chou, K. N., Park, D. J., Hori, Y. S., Persad, A. R., Chuang, C. F., Emrich, S. C., Ustrzynski, L., Tayag, A., Kumar, K. A., Usoz, M., Mendoza, M., Rahimy, E., Pollom, et al

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- **Primary Stereotactic Body Radiotherapy for Spinal Bone Metastases From Lung Adenocarcinoma.** *Clinical lung cancer*

  Chou, K. N., Park, D. J., Hori, Y. S., Persad, A. R., Chuang, C., Emrish, S. C., Ustrzynski, L., Tayag, A., Kumar, K., Usoz, M., Mendoza, M., Rahimy, E., Pollom, et al

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- **Where Does Auto-Segmentation for Brain Metastases Radiosurgery Stand Today?** *Bioengineering (Basel, Switzerland)*
  Kim, M., Wang, J. Y., Lu, W., Jiang, H., Stojadinovic, S., Wardak, Z., Dan, T., Timmerman, R., Wang, L., Chuang, C., Szalkowski, G., Liu, L., Pollom, et al
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- **Treatment of Trigeminal Neuralgia Secondary to Petroclival Meningioma Using Microsurgical Resection, Microvascular Decompression, and Stereotactic Radiosurgery: 2-Dimensional Operative Video.** *Operative neurosurgery (Hagerstown, Md.)*
  Park, D. J., Kumar, K. K., Marianayagam, N. J., Yener, U., Rahimy, E., Hancock, S., Meola, A., Chang, S. D.
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- **Stereotactic Radiosurgery for Cranial Nerve Metastases: A Single Institution Experience.**
  Persad, A. R., Shahsavari, N., Ahmad, M., McCleary, T., Park, D. J., Hori, Y. S., Emrich, S. C., Ustrzynski, L., Tayag, A., Gu, X., Rahimy, E., Pollom, E. L., Soltys, et al
  2024

- **ASO Visual Abstract: Patterns of Recurrence after Poor Response to Neoadjuvant Chemotherapy in Gastric Cancer and the Role for Adjuvant Radiation.** *Annals of surgical oncology*
  Hui, C., Ewongwo, A., Lau, B., Fisher, G., Delitto, D., Poultsides, G., Ho, Q. A., Rahimy, E., Pollom, E., Chang, D. T., Vitzthum, L. K.
  2023

- **Patterns of Recurrence After Poor Response to Neoadjuvant Chemotherapy in Gastric Cancer and the Role for Adjuvant Radiation.** *Annals of surgical oncology*
  Hui, C., Ewongwo, A., Lau, B., Fisher, G., Delitto, D., Poultsides, G., Ho, Q., Rahimy, E., Pollom, E., Chang, D. T., Vitzthum, L. K.
  2023

- **Performance Analysis of a Radiation Oncology Educational Podcast.** *Journal of the American College of Radiology : JACR*
  Wu, T. C., No, H. J., Rahimy, E., Kishan, A. U., Steinberg, M. L., Raldow, A. C., Beadle, B. M.
  2023

- **Lessons and Opportunities for Biomarker-Driven Radiation Personalization in Head and Neck Cancer.** *Seminars in radiation oncology*
  Rahimy, E., Gensheimer, M. F., Beadle, B., Le, Q. T.
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- **Safety and Outcomes of Stereotactic Body Radiation Therapy Following Radioembolization for Patients with Hepatocellular Carcinoma or Metastatic Liver Lesions**
  Hall, J., Hui, C., Rahimy, E., Chang, D., Vitzthum, L., Pollom, E.
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- **Radiation Oncology Virtual Education Rotation (ROVER) 2.0 for Residents: Implementation and Outcomes.** *Journal of cancer education : the official journal of the American Association for Cancer Education*
  Sandhu, N. K., Rahimy, E., Hutten, R., Shukla, U., Rajkumar-Calkins, A., Miller, J. A., Von Eyben, R., Deig, C. R., Obeid, J., Jimenez, R. B., Fields, E. C., Pollom, E. L., Kahn, et al
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- **Post-operative Stereotactic Radiosurgery of Malignant Melanotic Schwannoma.** *Cureus*
  Hall, J. C., Chang, S. D., Wilson, T. J., Ganjoo, K. N., Toland, A., Vogel, H., Pollom, E. L., Rahimy, E.
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- **Evaluating dosimetric parameters predictive of hematologic toxicity in cervical cancer patients undergoing definitive pelvic chemoradiotherapy.** *Strahlentherapie und Onkologie : Organ der Deutschen Rontgengesellschaft ... [et al]*
  Rahimy, E., von Eyben, R., Lewis, J., Hristov, D., Kidd, E.
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- **Phase II Trial Evaluating Efficacy of a Fitbit Program for Improving the Health of Endometrial Cancer Survivors**
  Rahimy, E., Usoz, M., von Eyben, R., Fujimoto, D., Watanabe, D., Karam, A., Jairam-Thodla, A., Mills, M., Dorigo, O., Diver, E., Teng, N., English, D., Kidd, et al
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- **Stereotactic Radiotherapy for Recurrent Post- Transplant Primary Central Nervous System Lymphoma** *CUREUS*
  Benitez, C. M., Rahimy, E., Panjwani, N., Maeda, L. S., Soltys, S. G.
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- **#TrendingNow: Instagram versus Twitter Activity Among Radiation Oncology Patients and Providers.** *Practical radiation oncology*
  Rahimy, E., Sandhu, N. K., Giao, D. M., Pollom, E. L.
  2021

- **Technical report: 3D-printed patient-specific scalp shield for hair preservation in total skin electron beam therapy.** *Technical innovations & patient support in radiation oncology*
  Rahimy, E., Skinner, L., Kim, Y. H., Hoppe, R. T.
  2021; 18: 12-15

- **Phase I/II Dose-Escalation Trial of 3-Fraction Stereotactic Radiosurgery for Resection Cavities From Large Brain Metastases: Health-related Quality of Life Outcomes.** *American journal of clinical oncology*
  Rahimy, E., Dudley, S. A., von Eyben, R., Pollom, E. L., Seiger, K., Modlin, L., Wynne, J., Fujimoto, D., Jacobs, L. R., Chang, S. D., Gibbs, I. C., Hancock, S. L., Adler, et al
  2021; 44 (11): 588-595

- **Telemedicine in Radiation Oncology: Is It Here to Stay? Impacts on Patient Care and Resident Education.** *International journal of radiation oncology, biology, physics*
  Gutkin, P. M., Prionas, N. D., Minneci, M. O., Allen, E. 3., Balazy, K. E., Rahimy, E., Chang, D. T., Horst, K. C.
  2020; 108 (2): 416–20

- **Outcomes and Tolerability of Definitive and Preoperative Chemoradiation in Elderly Patients With Esophageal Cancer: A Retrospective Institutional Review.** *Advances in radiation oncology*
  Rahimy, E. n., Koong, A. n., Toesca, D. n., White, M. N., Panjwani, N. n., Fisher, G. n., Chang, D. n., Pollom, E. n.
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- **Successful Use of Frameless Stereotactic Radiosurgery for Treatment of Recurrent Brain Metastases in an 18 Month Old Child.** *The International journal of neuroscience*
  Rahimy, E., Chuang, C., Spunt, S. L., Mahaney, K., Donaldson, S. S., Gibbs, I. C., Soltys, S. G., Pollom, E., Hiniker, S. M.
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- **Quality at the American Society for Radiation Oncology Annual Meeting: Gender Balance Among Invited Speakers and Associations with Panel Success** *INTERNATIONAL JOURNAL OF RADIATION ONCOLOGY BIOLOGY PHYSICS*
  Rahimy, E., Jagsi, R., Park, H. S., Moran, J. M., Cervino, L., Albert, A., Lee, A., Evans, S.
  2019; 104 (5): 987–96

- **Patient-Reported Outcomes and Cosmesis in a Feasibility Study of 4-Dimensional Simulated Image Guided Accelerated Partial Breast Irradiation** *PRACTICAL RADIATION ONCOLOGY*
  Rahimy, E., Weidhaas, J., Wei, W., Lannin, D., Horowitz, N., Higgins, S., Wilson, L. D., Knowlton, C., Moran, M. S., Young, M., Killelea, B., Chagpar, A., Yeboa, et al
  2019; 9 (3): E257–E265

- **Mentorship in Radiation Oncology: Role of Gender Diversity in Abstract Presenting and Senior Author Dyads on Subsequent High-Impact Publications.** *Advances in radiation oncology*
  Lee, A. n., Albert, A. n., Griffith, K. n., Evans, S. n., Rahimy, E. n., Park, H. S., Cervino, L. I., Moran, J. M., Jagsi, R. n.
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  Hong, J. C., Rahimy, E., Gross, C. P., Shafman, T., Hu, X., Yu, J. B., Ross, R., Finkelstein, S. E., Dosoretz, A., Park, H. S., Soulos, P. R., Evans, S. B.
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- **Blood-Brain Barrier Disruption Is Initiated During Primary HIV Infection and Not Rapidly Altered by Antiretroviral Therapy** *JOURNAL OF INFECTIOUS DISEASES*
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- **AGENTS UNDER STUDY** *ANTI-VEGF: USE IN OPHTHALMOLOGY*
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- **Nicotine Promotes Acquisition of Stem Cell and Epithelial-to-Mesenchymal Properties in Head and Neck Squamous Cell Carcinoma** *PLOS ONE*
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