

# Stanford

---



## Susan Hiniker

Assistant Professor of Radiation Oncology (Radiation Therapy) at the Stanford University Medical Center

Radiation Oncology - Radiation Therapy

### CLINICAL OFFICES

- **Radiation Oncology**

300 Pasteur Dr Rm A099

MC 5302

Stanford, CA 94305

**Tel** (650) 725-2209

**Fax** (650) 725-8231

### Bio

---

### CLINICAL FOCUS

- Radiation Oncology
- Pediatric Cancers
- Childhood Cancers
- Brain/Central Nervous System Tumors
- Hodgkin's Disease

### ACADEMIC APPOINTMENTS

- Assistant Professor - Med Center Line, Radiation Oncology - Radiation Therapy
- Member, Stanford Cancer Institute

### PROFESSIONAL EDUCATION

- Residency: Stanford University Radiation Oncology Residency (2015) CA
- Internship: Santa Clara Valley Medical Center Internal Medicine Residency (2011) CA
- Board Certification: Radiation Oncology, American Board of Radiology (2016)
- Medical Education: University of Michigan Medical School (2010) MI

### LINKS

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

### Research & Scholarship

---

### CLINICAL TRIALS

- AVATAR Anesthesia Alternative in Pediatric Radiotherapy: A Multi-Center Study, Recruiting
- Feasibility Neurocognitive Outcome After Transplant, Recruiting

## Publications

### PUBLICATIONS

- **Successful Full-term Pregnancies After High-dose Pelvic Radiotherapy for Ewing Sarcoma: A Case Report.** *Journal of pediatric hematology/oncology*  
Gutkin, P. M., Chen, E. L., Miller, C. J., Donaldson, S. S., Kovalchuk, N., Callejas, M. J., Hiniker, S. M.  
2019
- **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.  
2019: 1–6
- **Treatment and outcomes in classic Hodgkin lymphoma post-transplant lymphoproliferative disorder in children** *PEDIATRIC BLOOD & CANCER*  
Twist, C. J., Hiniker, S. M., Gratzinger, D., Gutkin, P. M., Merriott, D. J., Iagaru, A., Link, M. P., Donaldson, S. S.  
2019; 66 (8)
- **Volumetric Modulated Arc Therapy and 3-Dimensional Printed Bolus in the Treatment of Refractory Primary Cutaneous Gamma Delta Lymphoma of the Bilateral Legs** *PRACTICAL RADIATION ONCOLOGY*  
Obeid, J., Gutkin, P. M., Lewis, J., Skinner, L., Wang, E. B., Khodadoust, M. S., Kim, Y. H., Weng, W., Hoppe, R. T., Hiniker, S. M.  
2019; 9 (4): 220–25
- **Low-dose Total Skin Electron Beam Therapy for Refractory Cutaneous CD30 Positive Lymphoproliferative Disorders.** *The Journal of dermatological treatment*  
Panjwani, N., Yoo, C. H., Wang, E., Khodadoust, M. S., Kim, Y. H., Hoppe, R. T., Hiniker, S. M.  
2019: 1–5
- **FLT-PET-CT for the Detection of Disease Recurrence After Stereotactic Ablative Radiotherapy or Hyperfractionation for Thoracic Malignancy: A Prospective Pilot Study** *FRONTIERS IN ONCOLOGY*  
Hiniker, S. M., Sodji, Q., Quon, A., Gutkin, P. M., Arksey, N., Graves, E. E., Chin, F. T., Maxim, P. G., Diehn, M., Loo, B. W.  
2019; 9
- **Treatment and outcomes in classic Hodgkin lymphoma post-transplant lymphoproliferative disorder in children.** *Pediatric blood & cancer*  
Twist, C. J., Hiniker, S. M., Gratzinger, D., Gutkin, P. M., Merriott, D. J., Iagaru, A., Link, M. P., Donaldson, S. S.  
2019: e27803
- **Volumetric modulated arc therapy and 3-dimensional printed bolus in the treatment of refractory primary cutaneous gamma delta lymphoma of the bilateral legs.** *Practical radiation oncology*  
Obeid, J., Gutkin, P. M., Lewis, J., Skinner, L., Wang, E. B., Khodadoust, M. S., Kim, Y. H., Weng, W., Hoppe, R. T., Hiniker, S. M.  
2019
- **Stereotactic Radiosurgery for Pediatric and Adult Intracranial and Spinal Ependymomas.** *Stereotactic and functional neurosurgery*  
Shi, S., Jin, M. C., Koenig, J., Gibbs, I. C., Soltys, S. G., Chang, S. D., Li, G., Hayden Gephart, M., Hiniker, S. M., Pollom, E. L.  
2019: 1–6
- **Outcomes for pediatric patients with osteosarcoma treated with palliative radiotherapy.** *Pediatric blood & cancer*  
Chen, E. L., Yoo, C. H., Gutkin, P. M., Merriott, D. J., Avedian, R. S., Steffner, R. J., Spunt, S. L., Pribnow, A. K., Million, L., Donaldson, S. S., Hiniker, S. M.  
2019: e27967
- **Cost Analysis of Audiovisual-Assisted Therapeutic Ambiance in Radiation Therapy (AVATAR) Aided Omission of Anesthesia in Radiation for Pediatric Malignancies.** *Practical radiation oncology*  
McClelland, S., Overton, K. W., Overshiner, B., Bush, K., Loo, B. W., Skinner, L. B., Watson, G. A., Holmes, J. A., Hiniker, S. M., Maxim, P. G.  
2019
- **Prognostic Significance of P16 Expression and P53 Expression in Primary Vaginal Cancer.** *International journal of gynecological pathology : official journal of the International Society of Gynecological Pathologists*  
Nwachukwu, C. R., Harris, J. P., Chin, A., Von Eyben, R., Giaretta, S., Shaffer, J. L., Hiniker, S. M., Kapp, D. S., Folkins, A. K., Kidd, E. A.  
2019; 38 (6): 588–96
- **FLT-PET-CT for the Detection of Disease Recurrence After Stereotactic Ablative Radiotherapy or Hyperfractionation for Thoracic Malignancy: A Prospective Pilot Study.** *Frontiers in oncology*

- Hiniker, S. M., Sodji, Q., Quon, A., Gutkin, P. M., Arksey, N., Graves, E. E., Chin, F. T., Maxim, P. G., Diehn, M., Loo, B. W.  
2019; 9: 467
- **Contemporary management of metastatic soft tissue sarcoma.** *Current problems in cancer*  
Bui, N. Q., Wang, D. S., Hiniker, S. M.  
2019
  - **Complete Response of Metastatic Melanoma to Local Radiation and Immunotherapy: 6.5 Year Follow-Up.** *Cureus*  
Gutkin, P. M., Hiniker, S. M., Swetter, S. M., Reddy, S. A., Knox, S. J.  
2018; 10 (12): e3723
  - **Prognostic Significance of P16 Expression and P53 Expression in Primary Vaginal Cancer.** *International journal of gynecological pathology : official journal of the International Society of Gynecological Pathologists*  
Nwachukwu, C. R., Harris, J. P., Chin, A., Von Eyben, R., Giaretta, S., Shaffer, J. L., Hiniker, S. M., Kapp, D. S., Folkins, A. K., Kidd, E. A.  
2018
  - **Orthotopic Liver Transplantation After Stereotactic Body Radiotherapy for Pediatric Hepatocellular Carcinoma with Central Biliary Obstruction and Nodal Involvement.** *Cureus*  
Chen, E., Rangaswami, A., Esquivel, C. O., Concepcion, W., Lungren, M., Thakor, A. S., Yoo, C. H., Donaldson, S. S., Hiniker, S. M.  
2018; 10 (10): e3499
  - **Survival Impact of Postoperative Radiotherapy Timing in Pediatric and Adolescent Medulloblastoma.** *Neuro-oncology*  
Chin, A. L., Moding, E. J., Donaldson, S. S., Gibbs, I. C., Soltys, S. G., Hiniker, S. M., Pollom, E. L.  
2018
  - **Post-treatment surveillance imaging in lymphoma** *SEMINARS IN ONCOLOGY*  
Hiniker, S. M., Hoppe, R. T.  
2017; 44 (5): 310–22
  - **Stereotactic body radiotherapy for pediatric hepatocellular carcinoma with central biliary obstruction** *PEDIATRIC BLOOD & CANCER*  
Hiniker, S. M., Rangaswami, A., Lungren, M. P., Thakor, A. S., Concepcion, W., Balazy, K. E., Kovalchuk, N., Donaldson, S. S.  
2017; 64 (6)
  - **Chemoradiation impairs normal developmental cortical thinning in medulloblastoma.** *Journal of neuro-oncology*  
Kundu, P., Li, M. D., Durkee, B. Y., Hiniker, S. M., Bush, K., von Eyben, R., Monje, M. L., Yeom, K. W., Donaldson, S. S., Gibbs, I. C.  
2017
  - **Very high-energy electron (VHEE) beams in radiation therapy; Treatment plan comparison between VHEE, VMAT, and PPBS.** *Medical physics*  
Schüler, E., Eriksson, K., Hynning, E., Hancock, S. L., Hiniker, S. M., Bazalova-Carter, M., Wong, T., Le, Q., Loo, B. W., Maxim, P. G.  
2017
  - **Initial clinical outcomes of audiovisual-assisted therapeutic ambience in radiation therapy (AVATAR).** *Practical radiation oncology*  
Hiniker, S. M., Bush, K., Fowler, T., White, E. C., Rodriguez, S., Maxim, P. G., Donaldson, S. S., Loo, B. W.  
2017
  - **Role of KEAP1/NRF2 and TP53 Mutations in Lung Squamous Cell Carcinoma Development and Radiation Resistance** *CANCER DISCOVERY*  
Jeong, Y., Hoang, N. T., Lovejoy, A., Stehr, H., Newman, A. M., Gentles, A. J., Kong, W., Diana Truong, D., Martin, S., Chaudhuri, A., Heiser, D., Zhou, L., Say, et al  
2017; 7 (1): 86-101
  - **Phase I Trial: SABR and Ipilimumab-Letter.** *Clinical cancer research : an official journal of the American Association for Cancer Research*  
Hiniker, S. M., Reddy, S. A., Swetter, S. M., Knox, S. J.  
2017; 23 (1): 320
  - **A Prospective Clinical Trial Combining Radiation Therapy With Systemic Immunotherapy in Metastatic Melanoma.** *International journal of radiation oncology, biology, physics*  
Hiniker, S. M., Reddy, S. A., Maecker, H. T., Subrahmanyam, P. B., Rosenberg-Hasson, Y., Swetter, S. M., Saha, S., Shura, L., Knox, S. J.  
2016; 96 (3): 578-588
  - **Role of KEAP1/NRF2 and TP53 Mutations in Lung Squamous Cell Carcinoma Development and Radiation Resistance.** *Cancer discovery*  
Jeong, Y., Hoang, N. T., Lovejoy, A., Stehr, H., Newman, A. M., Gentles, A. J., Kong, W., Truong, D., Martin, S., Chaudhuri, A., Heiser, D., Zhou, L., Say, et al

2016

- **Partial orbit irradiation achieves excellent outcomes for primary orbital lymphoma.** *Practical radiation oncology*  
Binkley, M. S., Hiniker, S. M., Donaldson, S. S., Hoppe, R. T.  
2016; 6 (4): 255-261
- **Dose-Response Modeling of the Visual Pathway Tolerance to Single-Fraction and Hypofractionated Stereotactic Radiosurgery** *SEMINARS IN RADIATION ONCOLOGY*  
Hiniker, S. M., Modlin, L. A., Choi, C. Y., Atalar, B., Seiger, K., Binkley, M. S., Harris, J. P., Liao, Y. J., Fischbein, N., Wang, L., Ho, A., Lo, A., Chang, et al  
2016; 26 (2): 97-104
- **Dosimetric Factors and Toxicity in Highly Conformal Thoracic Reirradiation.** *International journal of radiation oncology, biology, physics*  
Binkley, M. S., Hiniker, S. M., Chaudhuri, A., Maxim, P. G., Diehn, M., Loo, B. W., Shultz, D. B.  
2016; 94 (4): 808-815
- **A single-institution retrospective analysis of outcomes for stage I-II primary mediastinal large B-cell lymphoma treated with immunochemotherapy with or without radiotherapy** *LEUKEMIA & LYMPHOMA*  
Binkley, M. S., Hiniker, S. M., Wu, S., Natkunam, Y., Mitra, E. S., Advani, R. H., Hoppe, R. T.  
2016; 57 (3): 604-608
- **Dose-Response Modeling of the Visual Pathway Tolerance to Single-Fraction and Hypofractionated Stereotactic Radiosurgery.** *Seminars in radiation oncology*  
Hiniker, S. M., Modlin, L. A., Choi, C. Y., Atalar, B., Seiger, K., Binkley, M. S., Harris, J. P., Liao, Y. J., Fischbein, N., Wang, L., Ho, A., Lo, A., Chang, et al  
2016; 26 (2): 97-104
- **Value of Surveillance Studies for Patients With Stage I to II Diffuse Large B-Cell Lymphoma in the Rituximab Era.** *International journal of radiation oncology, biology, physics*  
Hiniker, S. M., Pollom, E. L., Khodadoust, M. S., Kozak, M. M., Xu, G., Quon, A., Advani, R. H., Hoppe, R. T.  
2015; 92 (1): 99-106
- **Recent advances in understanding and managing rhabdomyosarcoma.** *F1000prime reports*  
Hiniker, S. M., Donaldson, S. S.  
2015; 7: 59-?
- **Predictors of clinical response to immunotherapy with or without radiotherapy.** *Journal of radiation oncology*  
Hiniker, S. M., Maecker, H. T., Knox, S. J.  
2015; 4: 339-345
- **Immunotherapy and radiation.** *Seminars in oncology*  
Hiniker, S. M., Knox, S. J.  
2014; 41 (6): 702-713
- **Value of surveillance studies for patients (pts) with stage I-II diffuse large B-cell lymphoma (DLBCL) in the rituximab (R) era.**  
Hiniker, S. M., Pollom, E. L., Khodadoust, M. S., Kozak, M. M., Advani, R. H., Hoppe, R. T.  
AMER SOC CLINICAL ONCOLOGY.2014
- **Survival and neurocognitive outcomes after cranial or craniospinal irradiation plus total-body irradiation before stem cell transplantation in pediatric leukemia patients with central nervous system involvement.** *International journal of radiation oncology, biology, physics*  
Hiniker, S. M., Agarwal, R., Modlin, L. A., Gray, C. C., Harris, J. P., Million, L., Kiamanesh, E. F., Donaldson, S. S.  
2014; 89 (1): 67-74
- **ALARA: In Radiation Oncology and Diagnostic Imaging Alike** *ONCOLOGY-NEW YORK*  
Hiniker, S. M., Donaldson, S. S.  
2014; 28 (3): 247-248
- **Survival and Neurocognitive Outcomes Following Cranial or Craniospinal Irradiation Plus Total Body Irradiation Prior to Transplantation in Children with CNS Leukemia**  
Hiniker, S. M., Agarwal, R., Modlin, L. A., Harris, J. P., Kiamanesh, E. E., Million, L., Gray, C. C., Donaldson, S. S.  
ELSEVIER SCIENCE INC.2014: S170-S171
- **Re-irradiation with stereotactic body radiation therapy as a novel treatment option for isolated local recurrence of pancreatic cancer after multimodality therapy: experience from two institutions.** *Journal of gastrointestinal oncology*

- Wild, A. T., Hiniker, S. M., Chang, D. T., Tran, P. T., Khashab, M. A., Limaye, M. R., Laheru, D. A., Le, D. T., Kumar, R., Pai, J. S., Hargens, B., Sharabi, A. B., Shin, et al  
2013; 4 (4): 343-351
- **Primary squamous cell carcinoma of the vagina: Prognostic factors, treatment patterns, and outcomes.** *Gynecologic oncology*  
Hiniker, S. M., Roux, A., Murphy, J. D., Harris, J. P., Tran, P. T., Kapp, D. S., Kidd, E. A.  
2013; 131 (2): 380-385
  - **Sporadic versus Radiation-Associated Angiosarcoma: A Comparative Clinicopathologic and Molecular Analysis of 48 Cases.** *Sarcoma*  
Hung, J., Hiniker, S. M., Lucas, D. R., Griffith, K. A., McHugh, J. B., Meirovitz, A., Thomas, D. G., Chugh, R., Herman, J. M.  
2013; 2013: 798403-?
  - **A Systemic Complete Response of Metastatic Melanoma to Local Radiation and Immunotherapy** *TRANSLATIONAL ONCOLOGY*  
Hiniker, S. M., Chen, D. S., Reddy, S., Chang, D. T., Jones, J. C., Mollick, J. A., Swetter, S. M., Knox, S. J.  
2012; 5 (6): 404-407
  - **Wild-type EGFR Is Stabilized by Direct Interaction with HSP90 in Cancer Cells and Tumors** *NEOPLASIA*  
Ahsan, A., Ramanand, S. G., Whitehead, C., Hiniker, S. M., Rehemtulla, A., Pratt, W. B., Jolly, S., Gouveia, C., Kristy Truong, K., Van Waes, C., Ray, D., Lawrence, T. S., Nyati, et al  
2012; 14 (8): 670-?
  - **Abscopal Effect in a Patient with Melanoma** *NEW ENGLAND JOURNAL OF MEDICINE*  
Hiniker, S. M., Chen, D. S., Knox, S. J.  
2012; 366 (21): 2035-2035
  - **Role of Epidermal Growth Factor Receptor Degradation in Cisplatin-Induced Cytotoxicity in Head and Neck Cancer** *CANCER RESEARCH*  
Ahsan, A., Hiniker, S. M., Ramanand, S. G., Nyati, S., Hegde, A., Helman, A., Menawat, R., Bhojani, M. S., Lawrence, T. S., Nyati, M. K.  
2010; 70 (7): 2862-2869
  - **Role of Cell Cycle in Epidermal Growth Factor Receptor Inhibitor-Mediated Radiosensitization** *CANCER RESEARCH*  
Ahsan, A., Hiniker, S. M., Davis, M. A., Lawrence, T. S., Nyati, M. K.  
2009; 69 (12): 5108-5114
  - **Radiotherapy using a water bath in the treatment of Bowen's disease of the digit** *RADIOTHERAPY AND ONCOLOGY*  
Herman, J. M., Pierce, L. J., Sandler, H. M., Griffith, K. A., Jabbari, S., Hiniker, S. M., Johnson, T. M.  
2008; 88 (3): 398-402
  - **Effects of cerivastatin withdrawal on statin persistence.** *Annals of pharmacotherapy*  
Reaume, K. T., Erickson, S. R., Dorsch, M. P., Dunham, N. L., Hiniker, S. M., Prabhakar, N., Kline-Rogers, E. M., Eagle, K. A.  
2008; 42 (7): 956-961