



## Melanie Hayden Gephart

Professor of Neurosurgery and, by courtesy, of Neurology

### CLINICAL OFFICE (PRIMARY)

- **Stanford Cancer Center**

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### ACADEMIC CONTACT INFORMATION

- **Stanford Brain Tumor Center**

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### Bio

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#### BIO

I am a brain tumor neurosurgeon, treating patients with primary and metastatic brain tumors. I treat patients with malignant and benign tumors, including glioma, brain metastases, meningioma, and vestibular schwannomas. I direct the Stanford Brain Tumor Center and the Stanford Brain Metastasis Consortium, collaborative unions of physicians and scientists looking to improve our understanding and treatment of brain tumors. My laboratory seeks greater understanding of the mechanisms driving tumorigenesis and disease progression in malignant brain tumors. We study how rare cancer cell populations survive and migrate in the brain, inadvertently supported by native brain cells. We develop novel cell free nucleic acid biomarkers to track brain cancer treatment response, relapse, and neurotoxicity. Our bedside-to-bench-to-bedside research model builds on a foundation of generously donated patient samples, where we test mechanisms of brain cancer growth, develop novel pre-clinical models that reliably recapitulate the human disease, and facilitate clinical trials of new treatments for patients with brain cancer.

[www.GephartLab.com](http://www.GephartLab.com)

[www.GBMseq.org](http://www.GBMseq.org)

<https://stan.md/BrainMets>

@HaydenGephartMD

#### CLINICAL FOCUS

- Neurosurgery

#### ACADEMIC APPOINTMENTS

- Professor - University Medical Line, Neurosurgery
- Professor - University Medical Line (By courtesy), Neurology
- Member, Bio-X
- Member, Maternal & Child Health Research Institute (MCHRI)
- Member, Stanford Cancer Institute
- Member, Wu Tsai Neurosciences Institute

## ADMINISTRATIVE APPOINTMENTS

- Co-Director, Stanford Brain Tumor Center, Stanford University, (2018- present)
- Director, Stanford Brain Metastases Consortium, (2018- present)

## PROFESSIONAL EDUCATION

- Neurosurgery Residency, Stanford University (2014)
- MD, University of California at San Diego (2007)
- Board Certification: Neurosurgery, American Board of Neurological Surgery (2018)
- Masters of Advanced Sciences, University of California at San Diego , Clinical Research (2007)
- BS, University of California at San Diego , Neuroscience and Physiology (2001)

## LINKS

- My Lab Website: <http://www.gephartlab.com/>
- [www.GBMseq.org](http://www.GBMseq.org): [www.GBMseq.org](http://www.GBMseq.org)
- [www.BrainRNAseq.org](http://www.BrainRNAseq.org): [www.BrainRNAseq.org](http://www.BrainRNAseq.org)
- Get a Second Opinion: <https://stanfordhealthcare.org/second-opinion/overview.html>
- Stanford CyberKnife Program: <https://stanfordhealthcare.org/medical-clinics/cyberknife-stereotactic-radiosurgery-program.html>
- Twitter: <https://twitter.com/home>
- Facebook: <https://www.facebook.com/groups/feed/>
- LinkedIn: <https://www.linkedin.com/feed/>

## Research & Scholarship

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### CLINICAL TRIALS

- Comparing Single- Vs Multi-Fraction Spine Stereotactic Radiosurgery in Spinal Metastases, Recruiting
- Comparing the Addition of Radiation Either Before or After Surgery for Patients With Brain Metastases, Recruiting
- Molecular Analysis of Thoracic Malignancies, Recruiting
- Panitumumab-IRDye800 in Diagnosing Participants With Malignant Glioma Undergoing Surgery, Recruiting
- Study Assessing QBS72S For Treating Brain Metastases, Recruiting
- Multiple Doses of Neural Stem Cell Virotherapy (NSC-CRAD-S-pk7) for the Treatment of Recurrent High-Grade Gliomas, Not Recruiting
- Surgical Nivolumab And Ipilimumab For Recurrent GBM, Not Recruiting
- Trial of Anti-Tim-3 in Combination With Anti-PD-1 and SRS in Recurrent GBM, Not Recruiting

## Teaching

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### STANFORD ADVISEES

#### Med Scholar Project Advisor

Guan Li

#### Postdoctoral Faculty Sponsor

Giuseppe Barisano, Minkyung Kang, Zheng Hao Samuel Wong

#### Doctoral Dissertation Reader (NonAC)

Benjamin Oberlton

## Publications

### PUBLICATIONS

- **Roadmap for Successful Research Training in Neurosurgery.** *Neurosurgery*  
Hayden Gephart, M., Holly, L. T., Amin-Hanjani, S., Zipfel, G. J., Mack, W. J., Tennekoon, M., Korn, S.  
2023; 93 (3): e46-e52
- **Roadmap for Development of a Strong, Diverse Research Workforce in Neurosurgery.** *Neurosurgery*  
Hayden Gephart, M., Holly, L. T., Amin-Hanjani, S., Zipfel, G. J., Mack, W. J., Tennekoon, M., Korn, S.  
2023; 93 (3): e53-e58
- **National Cancer Institute Collaborative Workshop on Shaping the Landscape of Brain Metastases Research: challenges and recommended priorities.** *The Lancet. Oncology*  
Kim, M. M., Mehta, M. P., Smart, D. K., Steeg, P. S., Hong, J. A., Espey, M. G., Prasanna, P. G., Crandon, L., Hodgdon, C., Kozak, N., Armstrong, T. S., Morikawa, A., Willmarth, et al  
2023; 24 (8): e344-e354
- **A Novel Brain-Permeant Chemotherapeutic Agent for the Treatment of Brain Metastasis in Triple-Negative Breast Cancer.** *Molecular cancer therapeutics*  
Deng, J., Chernikova, S. B., Wang, Y., Rodriguez, M. L., Andersen, S. J., Umeh-Garcia, M. C., Godfrey, B. O., Ahmadian, S. S., Fischer, W., Koller, K. J., Jandeleit, B., Ringold, G. M., Gephart, et al  
2021
- **Comprehensive RNA analysis of CSF reveals a role for CEACAM6 in lung cancer leptomeningeal metastases.** *NPJ precision oncology*  
Li, Y., Polyak, D., Lamsam, L., Connolly, I. D., Johnson, E., Khoeur, L. K., Andersen, S., Granucci, M., Stanley, G., Liu, B., Nagpal, S., Hayden Gephart, M.  
2021; 5 (1): 90
- **Hospital Volumes of 5 Medical Emergencies in the COVID-19 Pandemic in 2 US Medical Centers.** *JAMA internal medicine*  
Bhambhani, H. P., Rodrigues, A. J., Yu, J. S., Carr, J. B., Hayden Gephart, M.  
2020
- **Recurrently Mutated Genes Differ between Leptomeningeal and Solid Lung Cancer Brain Metastases** *JOURNAL OF THORACIC ONCOLOGY*  
Li, Y., Liu, B., Connolly, I., Kakusa, B., Pan, W., Nagpal, S., Montgomery, S. B., Gephart, M.  
2018; 13 (7): 1022-1027
- **Single-Cell RNA-Seq Analysis of Infiltrating Neoplastic Cells at the Migrating Front of Human Glioblastoma.** *Cell reports*  
Darmanis, S. n., Sloan, S. A., Croote, D. n., Mignardi, M. n., Chernikova, S. n., Samghababi, P. n., Zhang, Y. n., Neff, N. n., Kowarsky, M. n., Caneda, C. n., Li, G. n., Chang, S. D., Connolly, et al  
2017; 21 (5): 1399–1410
- **Tumor DNA in cerebral spinal fluid reflects clinical course in a patient with melanoma leptomeningeal brain metastases** *JOURNAL OF NEURO-ONCOLOGY*  
Li, Y., Pan, W., Connolly, I. D., Reddy, S., Nagpal, S., Quake, S., Gephart, M. H.  
2016; 128 (1): 93-100
- **New tools for studying microglia in the mouse and human CNS** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Bennett, M. L., Bennett, F. C., Liddelow, S. A., Ajami, B., Zamanian, J. L., Fernhoff, N. B., Mulinyawe, S. B., Bohlen, C. J., Adil, A., Tucker, A., Weissman, I. L., Chang, E. F., Li, et al  
2016; 113 (12): E1738-E1746
- **Purification and Characterization of Progenitor and Mature Human Astrocytes Reveals Transcriptional and Functional Differences with Mouse** *NEURON*  
Zhang, Y., Sloan, S. A., Clarke, L. E., Caneda, C., Plaza, C. A., Blumenthal, P. D., Vogel, H., Steinberg, G. K., Edwards, M. S., Li, G., Duncan, J. A., Cheshier, S. H., Shuer, et al  
2016; 89 (1): 37-53
- **A survey of human brain transcriptome diversity at the single cell level** *PROCEEDINGS OF THE NATIONAL ACADEMY OF SCIENCES OF THE UNITED STATES OF AMERICA*  
Darmanis, S., Sloan, S. A., Zhang, Y., Enge, M., Caneda, C., Shuer, L. M., Gephart, M. G., Barres, B. A., Quake, S. R.  
2015; 112 (23): 7285-7290

- **Brain Tumor Mutations Detected in Cerebral Spinal Fluid** *CLINICAL CHEMISTRY*  
Pan, W., Gu, W., Nagpal, S., Gephart, M. H., Quake, S. R.  
2015; 61 (3): 514-522
- **Quantification of cerebrospinal fluid tumor DNA in lung cancer patients with suspected leptomeningeal carcinomatosis.** *NPJ precision oncology*  
Azad, T. D., Nanjo, S., Jin, M. C., Chabon, J. J., Kurtz, D. M., Chaudhuri, A. A., Connolly, I. D., Hui, A. B., Liu, C. L., Merriott, D., Ko, R., Yoo, C., Carter, et al  
2024; 8 (1): 121
- **Cerebral perivascular spaces as predictors of dementia risk and accelerated brain atrophy.** *medRxiv : the preprint server for health sciences*  
Barisano, G., Iv, M., Choupan, J., Hayden-Gephart, M.  
2024
- **Repurposing mebendazole against triple-negative breast cancer CNS metastasis.** *Journal of neuro-oncology*  
Rodrigues, A. J., Chernikova, S. B., Wang, Y., Trinh, T. T., Solow-Cordero, D. E., Alexandrova, L., Casey, K. M., Alli, E., Aggarwal, A., Quill, T., Koegel, A. K., Feldman, B. J., Ford, et al  
2024
- **Executive Summary of the American Radium Society Appropriate Use Criteria for Brain Metastases in EGFR-mutated and ALK-fusion Non-Small Cell Lung Cancer.** *Neuro-oncology*  
Nagpal, S., Milano, M. T., Chiang, V. L., Soltys, S. G., Brackett, A., Halasz, L. M., Garg, A. K., Sahgal, A., Ahluwalia, M. S., Tom, M. C., Palmer, J. D., Knisley, J. P., Chao, et al  
2024
- **Repurposing mebendazole against triple-negative breast cancer leptomeningeal disease.** *Research square*  
Rodrigues, A., Chernikova, S. B., Wang, Y., Trinh, T. T., Solow-Cordero, D. E., Alexandrova, L., Casey, K. M., Alli, E., Aggarwal, A., Quill, T., Koegel, A., Feldman, B. J., Ford, et al  
2024
- **Neuroinvasive Francisella tularensis Infection: Report of 2 Cases and Review of the Literature.** *Clinical infectious diseases : an official publication of the Infectious Diseases Society of America*  
Cash-Goldwasser, S., Beeson, A., Marzec, N., Ho, D. Y., Hogan, C. A., Budvytiene, I., Banaei, N., Born, D. E., Gephart, M. H., Patel, J., Dietrich, E. A., Nelson, C. A.  
2024; 78 (Supplement\_1): S55-S63
- **Impact of language barriers and use of interpreters on hope among patients with Central Nervous System Malignancies and Bone Metastases.** *International journal of radiation oncology, biology, physics*  
Hui, C., Hall, J., Fang, Z., Lefebvre, S., Hayden-Gephart, M., Li, G., Meola, A., Nagpal, S., Soltys, S., Pollom, E.  
2023
- **SPATIALLY-RESOLVED TRANSCRIPTOME ANALYSIS OF BRAIN METASTATIC BREAST CANCER REVEAL KEY MEDIATORS OF BRAIN-TROPIC METASTATIC POTENTIAL**  
Umeh-Garcia, M., Godfrey, B., Perez, P., Varma, S., Ahmadian, S., Toland, A., Granucci, M., Averbukh, I., Tian, L., West, R., Angelo, M., Plevritis, S., Gephart, et al  
OXFORD UNIV PRESS INC.2023
- **INTERNAL CAROTID INJECTION MODEL OF BRAIN METASTASIS DESCRIBES LEPTOMENINGEAL DISEASE**  
Chernikova, S., Tsau, S., Wang, Y., Hartmann, G., Polyak, D., Bhambhani, H., Kolluru, S., Thy Trinh, Casey, K., Johnson, E., Connolly, I., Recht, L., Ahn, G., et al  
OXFORD UNIV PRESS INC.2023
- **National Cancer Institute Collaborative Workshop on Shaping the Landscape of Brain Metastases Research: challenges and recommended priorities** *LANCET ONCOLOGY*  
Kim, M. M., Mehta, M. P., Smart, D. K., Steeg, P. S., Hong, J. A., Espey, M. G., Prasanna, P. G., Crandon, L., Hodgdon, C., Kozak, N., Armstrong, T. S., Morikawa, A., Willmarth, et al  
2023; 24 (8): E344-E354
- **Stereotactic Radiosurgery for Brain Metastases in Patients With a Heterozygous Germline Ataxia Telangiectasia Mutated Gene.** *Cureus*  
Hall, J. C., Chang, S. D., Gephart, M. H., Pollom, E., Butler, S.  
2023; 15 (4): e37712
- **Patterns of Progression in Patients with Newly Diagnosed Glioblastoma Treated with 5 mm Margins on a Phase I/II Trial of 5 Fraction Stereotactic Radiosurgery with Concurrent and Adjuvant Temozolomide.** *Practical radiation oncology*

- Mendoza, M. G., Azoulay, M., Chang, S. D., Gibbs, I. C., Hancock, S. L., Pollom, E. L., Adler, J. R., Harraher, C., Li, G., Gephart, M. H., Nagpal, S., Thomas, R. P., Recht, et al  
2023
- **A Protocol for Reducing Intensive Care Utilization After Craniotomy: A 3-Year Assessment.** *Neurosurgery*  
Ruiz Colón, G. D., Ohkuma, R., Pendharkar, A. V., Heifets, B. D., Li, G., Lu, A., Gephart, M. H., Ratliff, J. K.  
2023
  - **Proof of Principle for Intracarotid Injection of Leukemia As Model for Late Stage Central Nervous System Leukemia**  
Wang, C., Rodrigues, A., Chernikova, S., Davis, K. L., Gephart, M.  
AMER SOC HEMATOLOGY.2022: 11522-11523
  - **Stereotactic radiosurgery for trigeminal neuralgia secondary to tumor: a single-institution retrospective series.** *Neurosurgical focus*  
Hall, J. C., Ung, T. H., McCleary, T. L., Chuang, C., Gibbs, I. C., Soltys, S. G., Hayden Gephart, M., Li, G., Pollom, E. L., Chang, S. D., Meola, A.  
2022; 53 (5): E3
  - **MICROGLIA REPLACEMENT CHANGES THE TRANSCRIPTIONAL PROFILE OF TUMOR ASSOCIATED MYELOID CELLS IN MURINE MODELS OF BRAIN MALIGNANCIES**  
Mader, M., Rodrigues, A., Chernikova, S., Wong, Z., Wang, Y., Petritsch, C., Wernig, M., Gephart, M.  
OXFORD UNIV PRESS INC.2022: 290
  - **Intracranial Control With Combination BRAF and MEK Inhibitor Therapy in Patients With Metastatic Melanoma.** *Cureus*  
Hui, C., Wu, Y. F., Liu, K., Sandhu, N., Blomain, E., Binkley, M. S., Gephart, M. H., Chang, S. D., Li, G. H., Reddy, S. A., Soltys, S. G., Pollom, E.  
2022; 14 (11): e31838
  - **Local Control of Brain Metastases with Osimertinib Alone in Patients with EGFR-Mutant Non-Small Cell Lung Cancer**  
Hui, C., Qu, V., Wang, J. Y., Von Eyben, R., Chang, Y. C., Chiang, P. L., Liang, C. H., Lin, J. Y., Lu, J. T., Li, G., Hayden, M., Myall, N., Soltys, et al  
ELSEVIER SCIENCE INC.2022: E54-E55
  - **Elevated ETV6 Expression in Glioma Promotes an Aggressive In Vitro Phenotype Associated with Shorter Patient Survival.** *Genes*  
Xiong, Z., Wu, S., Li, F., Luo, C., Jin, Q., Connolly, I. D., Hayden Gephart, M., You, L.  
2022; 13 (10)
  - **Local control of brain metastases with osimertinib alone in patients with EGFR-mutant non-small cell lung cancer.** *Journal of neuro-oncology*  
Hui, C., Qu, V., Wang, J. Y., von Eyben, R., Chang, Y. C., Chiang, P. L., Liang, C. H., Lu, J. T., Li, G., Hayden-Gephart, M., Wakelee, H., Neal, J., Ramchandran, et al  
2022
  - **5-Aminolevulinic Acid Imaging of Malignant Glioma.** *Surgical oncology clinics of North America*  
Li, G., Rodrigues, A., Kim, L., Garcia, C., Jain, S., Zhang, M., Hayden-Gephart, M.  
2022; 31 (4): 581-593
  - **Predictive Model to Guide Brain Magnetic Resonance Imaging Surveillance in Patients With Metastatic Lung Cancer: Impact on Real-World Outcomes.** *JCO precision oncology*  
Wu, J., Ding, V., Luo, S., Choi, E., Hellyer, J., Myall, N., Henry, S., Wood, D., Stehr, H., Ji, H., Nagpal, S., Hayden Gephart, M., Wakelee, et al  
2022; 6: e2200220
  - **Brain Metastases from Gynecologic Primary Cancers: Prognostic Factors for Local Control and Overall Survival**  
Mendoza, M., Janchenko, L., von Eyben, R., Kidd, E., Pollom, E., Chang, S., Li, G., Kapp, D., Hayden, M., Soltys, S.  
LIPPINCOTT WILLIAMS & WILKINS.2022: S34
  - **Aberrant promoter methylation contributes to LRIG1 silencing in basal/triple-negative breast cancer.** *British journal of cancer*  
Umeh-Garcia, M., O'Gee, H., Simion, C., Gephart, M. H., Segal, D. J., Sweeney, C. A.  
2022
  - **Biliary cancer brain metastases: a multi-institution case series with case reports.** *Journal of gastrointestinal oncology*  
Falkson, S. R., Zhang, K., Bhambhani, H. P., Wild, J. L., Griffin, A., Kelley, R. K., Gephart, M. H.  
2022; 13 (2): 822-832
  - **Executive summary of american radium society's appropriate use criteria for the postoperative management of lower grade gliomas.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*

- Tom, M. C., Milano, M. T., Chao, S. T., Soltys, S. G., Knisely, J. P., Sahgal, A., Nagpal, S., Lo, S. S., Jabbari, S., Wang, T. J., Ahluwalia, M. S., Simonson, M., Palmer, et al  
2022
- **Factors for differential outcome across cancers in clinical molecular-targeted fluorescence imaging.** *Journal of nuclear medicine : official publication, Society of Nuclear Medicine*  
Zhou, Q., van den Berg, N. S., Kang, W., Pei, J., Nishio, N., van Keulen, S., Engelen, M. A., Lee, Y. J., Hom, M., Vega Leonel, J. C., Hart, Z., Vogel, H., Cayrol, et al  
2022
  - **Biliary cancer brain metastases: a multi-institution case series with case reports** *JOURNAL OF GASTROINTESTINAL ONCOLOGY*  
Falkson, S. R., Zhang, K., Bhambhani, H. P., Wild, J. L., Griffin, A., Kelley, R. K., Gephart, M.  
2022
  - **In Reply: A Novel Protocol for Reducing Intensive Care Utilization After Craniotomy.** *Neurosurgery*  
Pendharkar, A. V., Shahin, M. N., Awsare, S. S., Ho, A. L., Wachira, C., Clevinger, J., Sigurdsson, S., Lee, Y., Wilson, A., Lu, A. C., Hayden, M. G.  
1800
  - **DSC perfusion MRI-derived fractional tumor burden and relative CBV differentiate tumor progression and radiation necrosis in brain metastases treated with stereotactic radiosurgery.** *American Journal of Neuroradiology*  
‡Kuo, F., †Ng, N. N., Nagpal, S., Pollom, E. L., Soltys, S., Hayden-Gephart, M., Li, G., Born, D. E., Iv, M.  
2022; 43 (5): 689-695
  - **Isolated Leptomeningeal Progression in a Patient with NTRK Fusion+ Uterine Sarcoma: A Case Report.** *Case reports in oncology*  
Lanman, T., Hayden Gephart, M., Bui, N., Toland, A., Nagpal, S.  
2021; 14 (3): 1841-1846
  - **An updated comparison between WHO grade 2 gemistocytic and diffuse astrocytoma survival and treatment patterns.** *World neurosurgery*  
Rodrigues, A., Zhang, M., Toland, A., Bhambhani, H., Hayden-Gephart, M.  
2021
  - **Socioeconomic disparities in brain metastasis survival and treatment: a population-based study.** *World neurosurgery*  
Rodrigues, A., Li, G., Bhambhani, H., Hayden-Gephart, M.  
2021
  - **Intracranial Response to Combination BRAF and MEK Inhibitor Therapy in Patients with Metastatic Melanoma**  
Hui, C., Wu, Y., Liu, K., Sandhu, N., Blomain, E., Binkley, M., Gephart, M., Chang, S., Li, G., Reddy, S., Gibbs, I., Soltys, S., Pollom, et al  
LIPPINCOTT WILLIAMS & WILKINS.2021: S48-S49
  - **American Radium Society's Appropriate Use Criteria on Postoperative Management of Lower Grade Gliomas**  
Tom, M., Milano, M., Soltys, S., Sahgal, A., Knisely, J., Chiang, V., Nagpal, S., Lo, S., Chao, S., Jabbari, S., Wang, T., Palmer, J., Gephart, et al  
LIPPINCOTT WILLIAMS & WILKINS.2021: S51-S52
  - **American Radium Society Appropriate Use Criteria for the Management of Brain Metastases in EGFR-mutated Non-Small Cell Lung Cancer**  
Nagpal, S., Chiang, V., Milano, M., Soltys, S., Ahluwalia, M., Chao, S., Garg, A., Gephart, M., Halasz, L., Jabbari, S., Knisely, J., Lo, S., Palmer, et al  
LIPPINCOTT WILLIAMS & WILKINS.2021: S49-S50
  - **A Clinical PET Imaging Tracer ([18F]DASA-23) to Monitor Pyruvate Kinase M2 Induced Glycolytic Reprogramming in Glioblastoma.** *Clinical cancer research : an official journal of the American Association for Cancer Research*  
Beinat, C., Patel, C. B., Haywood, T., Murty, S., Naya, L., Castillo, J. B., Reyes, S. T., Phillips, M., Buccino, P., Shen, B., Park, J. H., Koran, M. E., Alam, et al  
2021
  - **A Novel Protocol for Reducing Intensive Care Utilization After Craniotomy.** *Neurosurgery*  
Pendharkar, A. V., Shahin, M. N., Awsare, S. S., Ho, A. L., Wachira, C., Clevinger, J., Sigurdsson, S., Lee, Y., Wilson, A., Lu, A. C., Gephart, M. H.  
2021
  - **EGFR-targeted intraoperative fluorescence imaging detects high-grade glioma with panitumumab-IRDye800 in a phase 1 clinical trial.** *Theranostics*  
Zhou, Q., van den Berg, N. S., Rosenthal, E. L., Iv, M., Zhang, M., Vega Leonel, J. C., Walters, S., Nishio, N., Granucci, M., Raymundo, R., Yi, G., Vogel, H., Cayrol, et al  
2021; 11 (15): 7130-7143

- **Differences in treatment patterns and overall survival between grade II and anaplastic pleomorphic xanthoastrocytomas.** *Journal of neuro-oncology*  
Rodrigues, A., Bhambhani, H., Medress, Z. A., Malhotra, S., Hayden-Gephart, M.  
2021
- **Patient Experience and Satisfaction with Telemedicine During Coronavirus Disease 2019: A Multi-Institution Experience.** *Telemedicine journal and e-health : the official journal of the American Telemedicine Association*  
Rodrigues, A., Yu, J. S., Bhambhani, H., Uppstrom, T., Ricci, W. M., Dines, J. S., Hayden-Gephart, M.  
2021
- **A Case of Isolated Leptomeningeal Progression in a Patient with NTRK Fusion plus Uterine Sarcoma**  
Lanman, T., Hayden, M., Bui, N., Nagpal, S.  
LIPPINCOTT WILLIAMS & WILKINS.2021
- **Management of brain tumors presenting in pregnancy: a case series and systematic review** *Management of brain tumors presenting in pregnancy: a case series and systematic review*  
Rodrigues, A.  
2021; 3 (1)
- **EGFR-targeted intraoperative fluorescence imaging detects high-grade glioma with panitumumab-IRDye800 in a phase 1 clinical trial** *Theranostics*  
Zhou, Q., van den Berg, N. S., Rosenthal, E. L., Iv, M., Zhang, M., Vega Leonel, J. C., Walters, S., Nishio, N., Granucci, M., Raymundo, R., Yi, G., Vogel, H., Cayrol, et al  
2021; 11 (15): 7130-7143
- **High-quality neurosurgeon communication and visualization during telemedicine encounters improves patient satisfaction** *Journal of Clinical Neuroscience*  
Rodrigues, A., Li, G., Zhang, M., Jin, M., Hayden-Gephart, M.  
2021; 94: 18-23
- **Financial Toxicity in Patients with Brain and Spine Metastases.** *World neurosurgery*  
Koenig, J. L., Sandhu, N. n., Sborov, K. n., Sabolch, A. n., Usoz, M. n., Li, G. n., Gephart, M. H., Chang, S. n., Hiniker, S. n., Soltys, S. G., Pollom, E. L.  
2021
- **Improved survival and disease control following pembrolizumab-induced immune-related adverse events in high PD-L1 expressing non-small cell lung cancer with brain metastases.** *Journal of neuro-oncology*  
Zhang, M. n., Rodrigues, A. J., Pollom, E. L., Gibbs, I. C., Soltys, S. G., Hancock, S. L., Neal, J. W., Padda, S. K., Ramchandran, K. J., Wakelee, H. A., Chang, S. D., Lim, M. n., Hayden Gephart, et al  
2021
- **Management of brain tumors presenting in pregnancy: a case series and systematic review.** *American journal of obstetrics & gynecology MFM*  
Rodrigues, A. J., Waldrop, A. R., Suharwardy, S., Druzin, M. L., Iv, M., Ansari, J. R., Stone, S. A., Jaffe, R. A., Jin, M. C., Li, G., Hayden-Gephart, M.  
2021; 3 (1): 100256
- **PREOPERATIVE SINGLE FRACTION RADIOSURGERY VERSUS POSTOPERATIVE FRACTIONATED RADIOSURGERY FOR RESECTED BRAIN METASTASES: A BI-INSTITUTIONAL ANALYSIS OF SAFETY AND CLINICAL OUTCOMES**  
Prabhu, R., Shi, S., Dhakal, R., Soltys, S., Burri, S., Asher, A., Gephart, M., Ward, M., Li, G., Heinzerling, J., Pollom, E.  
OXFORD UNIV PRESS INC.2020: 184
- **Report from the American Radium Society (ARS) Appropriate Use Criteria Brain Malignancies Panel: Treatment of Multiple Brain Metastases**  
Milano, M., Chiang, V., Soltys, S., Wang, T., Lo, S., Brackett, A., Gephart, M., Nagpal, S., Jabbari, S., Halasz, L., Chao, S., Garg, A., Knisely, et al  
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