

Stanford



Daniel Chang

Sue and Bob McCollum Professor
Radiation Oncology - Radiation Therapy

CLINICAL OFFICES

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ACADEMIC CONTACT INFORMATION

- **Alternate Contact**
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Tel (650) 725-4777

Bio

CLINICAL FOCUS

- Cancer > GI Oncology
- Cancer > Head and Neck Cancer
- Cancer > Radiation Oncology
- Radiation Oncology
- Cancer of the Stomach
- Cancer of Anus
- Cancer of Pancreas
- Cancer of the Rectum
- Cancer of the Liver
- Cancer of the Esophagus
- Cancer of the Head and Neck

ACADEMIC APPOINTMENTS

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

HONORS AND AWARDS

- Travel Grant, ASTRO IGRT Symposium (2008)
- Roentgen Resident/Fellow Research Award, RSNA (2007)
- Young Oncology Essay Award, The American Radium Society (2006)
- Membership, Alpha Omega Alpha (2001)

PROFESSIONAL EDUCATION

- Medical Education: Wayne State University Office of the Registrar (2002) MI
- Board Certification: Radiation Oncology, American Board of Radiology (2008)
- Residency: University of Florida (2007) FL
- Internship: Oakwood Healthcare System (2003) MI
- BS, University of Michigan Ann Arbor , Chemistry (1998)

- MD, Wayne State University , Medicine (2002)

LINKS

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

Research & Scholarship

CURRENT RESEARCH AND SCHOLARLY INTERESTS

I specialize in the treatment of gastrointestinal malignancies. I am interested in developing stereotactic body radiotherapy for tumors of the liver, both primary and metastatic. I am interested in developing functional imaging as a means of determining treatment response with radiation. I am also interested in developing image-guided radiotherapy to improve radiation delivery for GI cancers to reduce toxicity and improve disease outcome.

CLINICAL TRIALS

- Novel Serum Markers for Monitoring Response to Anti-Cancer Therapy, Recruiting
- Combination SBRT With TACE for Unresectable Hepatocellular Carcinoma, Not Recruiting
- Feasibility 3D Perfusion Ultrasound for Liver Cancer SABR Planning and Response Evaluation, Not Recruiting
- Imaging and Biomarkers of Hypoxia in Solid Tumors, Not Recruiting
- Paclitaxel, Cisplatin, and Radiation Therapy With or Without Cetuximab in Treating Patients With Locally Advanced Esophageal Cancer, Not Recruiting
- Perfusion CT as a Predictor of Treatment Response in Patients With Hepatic Malignancies, Not Recruiting
- Perfusion CT as a Predictor of Treatment Response in Patients With Rectal Cancer, Not Recruiting
- Phase I Dose Escalation of Stereotactic Radiosurgical Boost for Locally Advanced Esophageal Cancer, Not Recruiting
- Phase I Trial of Metabolic Reprogramming Therapy for Treatment of Recurrent Head and Neck Cancers, Not Recruiting
- Phase II Gemcitabine + Fractionated Stereotactic Radiotherapy for Unresectable Pancreatic Adenocarcinoma, Not Recruiting
- Phase II SBRT & Chemo for Unresectable Cholangiocarcinoma Followed by Liver Transplantation, Not Recruiting
- Phase III FOLFIRINOX (mFFX) +/- SBRT in Locally Advanced Pancreatic Cancer, Not Recruiting
- Prognostic Value of Baseline Computed Tomography (CT) Perfusion Parameters of Pancreatic Cancer for Patients Undergoing Stereotactic Body Radiotherapy or Surgical Resection, Not Recruiting
- Radiation Therapy With or Without Cetuximab in Treating Patients Who Have Undergone Surgery for Locally Advanced Head and Neck Cancer, Not Recruiting
- Radiation Therapy, Paclitaxel, and Carboplatin With or Without Trastuzumab in Treating Patients With Esophageal Cancer, Not Recruiting
- S0809: Capecitabine, Gemcitabine, and RT in Patients w/Cholangiocarcinoma of the Gallbladder or Bile Duct, Not Recruiting
- Transarterial Chemoembolization (TACE) vs. CyberKnife for Recurrent Hepatocellular Carcinoma (HCC), Not Recruiting
- Transarterial Chemoembolization Compared With Stereotactic Body Radiation Therapy or Stereotactic Ablative Radiation Therapy in Treating Patients With Residual or Recurrent Liver Cancer Undergone Initial Transarterial Chemoembolization, Not Recruiting
- Transarterial Chemoembolization vs CyberKnife for Recurrent Hepatocellular Carcinoma, Not Recruiting

Teaching

STANFORD ADVISEES

Postdoctoral Faculty Sponsor

Richel Baclay, Mohammad Hasan

Postdoctoral Research Mentor

Richel Baclay

Publications

PUBLICATIONS

- **Impact of mental illness on end-of-life emergency department use in elderly patients with gastrointestinal malignancies.** *Cancer medicine*
Kashyap, M., Harris, J. P., Chang, D. T., Pollom, E. L.
2021
- **Longitudinal Analysis of Mental Disorder Burden Among Elderly Patients With Gastrointestinal Malignancies.** *Journal of the National Comprehensive Cancer Network : JNCCN*
Harris, J. P., Kashyap, M., Humphreys, J. N., Chang, D. T., Pollom, E. L.
2021: 1–9
- **Composition, spatial characteristics, and prognostic significance of myeloid cell infiltration in pancreatic cancer.** *Clinical cancer research : an official journal of the American Association for Cancer Research*
Vayrynen, S. A., Zhang, J., Yuan, C., Vayrynen, J. P., Dias Costa, A., Williams, H., Morales-Oyarvide, V., Lau, M. C., Rubinson, D. A., Dunne, R. F., Kozak, M. M., Wang, W., Agostini-Vulaj, et al
2020
- **Neoadjuvant therapy is associated with altered composition of immune cell infiltration and an anti-tumorigenic microenvironment in resected pancreatic cancer.**
Costa, A., Vayrynen, S., Chawla, A., Zhang, J., Vayrynen, J. P., Lau, M., Williams, H. L., Yuan, C., Morales-Oyarvide, V., Rubinson, D. A., Clancy, T. E., Brais, L. K., Reilly, et al
AMER ASSOC CANCER RESEARCH.2020
- **Increased Incidence of Malignancy Before and after Chemoradiation for Anal Squamous Cell Carcinoma: A Multi-Institutional Analysis**
Jabbour, S. K., Hallemeier, C. L., Chang, D. T., Lu, S. E., Hristidis, V., Jethwa, K. R., Baclay, J. M., Li, D., Chakrani, Z., Haddock, M. G., Toesca, D. S., Jani, K., Wu, et al
ELSEVIER SCIENCE INC.2020: E597–E598
- **Hematologic Toxicity Patterns In Patients Treated With Chemoradiation For Anal Squamous Cell Carcinoma**
Minnecci, M., Baclay, J. M., Toesca, D. S., Von Eyben, R., Pollom, E., Chang, D. T.
ELSEVIER SCIENCE INC.2020: E641–E642
- **Evaluation of a Knowledge-Guided Automated Treatment Planning Tool**
Yang, Y., Kovalchuk, N., Gensheimer, M. F., Beadle, B. M., Bagshaw, H. P., Buyyounouski, M. K., Swift, P. S., Chang, D. T., Le, Q. T., Xing, L.
ELSEVIER SCIENCE INC.2020: E364
- **Multi-institutional Retrospective Study Evaluating Ablative Radiotherapy of Liver Metastases from Pancreatic Cancer**
Lee, G., Kim, D. W., Oladeru, O. T., Gergelis, K. R., Haddock, M. G., Toesca, D. S., Koong, A., Owen, D., Weekes, C., Hong, T. S., Chang, D. T., Hallemeier, C. L., Wo, et al
ELSEVIER SCIENCE INC.2020: E583–E584
- **Feasibility and Acute Toxicity of Pancreatic Stereotactic Body Radiotherapy with or without Hypofractionated Elective Nodal Irradiation**
Miller, J. A., Toesca, D. S., Baclay, J. M., Pollom, E., Chang, D. T.
ELSEVIER SCIENCE INC.2020: E580–E581
- **Quality of End-of-Life Care Among Elderly Patients With Gastrointestinal Cancers and Comorbid Substance Use Disorders**
Kashyap, M., Harris, J. P., Chang, D. T., Pollom, E.
ELSEVIER SCIENCE INC.2020: E405–E406
- **Patterns of Regional Failure in Patients with Pancreatic Cancer treated with Stereotactic Body Radiation Therapy**
Baclay, J. M., Toesca, D. S., Von Eyben, R., Pollom, E., Chang, D. T.
ELSEVIER SCIENCE INC.2020: E584–E585
- **Spatially resolved, single cell assessment of pancreatic ductal adenocarcinoma expression subtypes reveals mixed and hybrid basal-classical marker expression with prognostic significance and discrete spatial localization.**
Williams, H. L., Zhang, J., Raghavan, S., Winter, P. S., Kapner, K., Vayrynen, S., Costa, A., Yuan, C., Lau, M., Morales-Oyarvide, V., Rubinson, D., Brais, L., Reilly, et al
AMER ASSOC CANCER RESEARCH.2020

- **MTAP protein expression is lost in nearly one-third of primary pancreatic cancers and is associated with sensitivity to MAT2A inhibition in patient-derived organoid models.**
Vayrynen, S. A., Yang, A., Wang, J., Zhang, J., Lowder, K., Kapner, K. S., Bosse, T., Raghavan, S., Costa, A., Williams, H., Yuan, C., Pelton, A., Morales-Oyarvide, et al
AMER ASSOC CANCER RESEARCH.2020
- **The clinical and financial cost of mental disorders among elderly patients with gastrointestinal malignancies.** *Cancer medicine*
Harris, J. P., Kashyap, M., Humphreys, J. N., Pollom, E. L., Chang, D. T.
2020
- **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
- **Deep 3D dose analysis for prediction of outcomes after liver stereotactic body radiation therapy** *Medical Image Computing and Computer Assisted Intervention - MICCAI 2018*
Bulat, I., Diego, T. A., Yixuan, Y., Albert, K. C., Daniel, C. T., Lei, X.
2018: 684–92
- **Development and validation of a model to predict survival in colorectal cancer using a gradient-boosted machine.** *Gut*
Bibault, J., Chang, D. T., Xing, L.
2020
- **Neoadjuvant therapy is associated with altered composition of immune cell infiltration and an anti-tumorigenic microenvironment in resected pancreatic cancer**
Costa, A., Vayrynen, S., Chawla, A., Zhang, J., Vayrynen, J. P., Lau, M., Williams, H. L., Yuan, C., Morales-Oyarvide, V., Rubinson, D. A., Clancy, T. E., Brais, L. K., Reilly, et al
AMER ASSOC CANCER RESEARCH.2020
- **Spatially resolved, single cell assessment of pancreatic ductal adenocarcinoma expression subtypes reveals mixed and hybrid basal-classical marker expression with prognostic significance and discrete spatial localization**
Williams, H. L., Zhang, J., Raghavan, S., Winter, P. S., Kapner, K., Vayrynen, S., Costa, A., Yuan, C., Lau, M., Morales-Oyarvide, V., Rubinson, D., Brais, L., Reilly, et al
AMER ASSOC CANCER RESEARCH.2020
- **MTAP protein expression is lost in nearly one-third of primary pancreatic cancers and is associated with sensitivity to MAT2A inhibition in patient-derived organoid models**
Vayrynen, S. A., Yang, A., Wang, J., Zhang, J., Lowder, K., Kapner, K. S., Bosse, T., Raghavan, S., Costa, A., Williams, H., Yuan, C., Pelton, A., Morales-Oyarvide, et al
AMER ASSOC CANCER RESEARCH.2020
- **Reirradiation with stereotactic body radiation therapy after prior conventional fractionation radiation for locally recurrent pancreatic adenocarcinoma.** *Advances in radiation oncology*
Koong, A. J., Toesca, D. A., von Eyben, R., Pollom, E. L., Chang, D. T.
; 2 (1): 27–36
- **Can looking at density differences between liver parenchyma and oligometastatic lesions predict outcomes and toxicities in patients receiving stereotactic body radiation therapy for metastatectomy?** *2018 Gastrointestinal Cancers Symposium (GI-ASCO)*
Jin, W., Toesca, D. A., Osmundson, E., Shaffer, J. L., Koong, A. C., Chang, D. T.
2018: 479
- **Prediction of pancreatic cancer surgical outcomes and prognosis based on an objective resectability scoring system** *2018 Gastrointestinal Cancers Symposium (GI-ASCO)*
Toesca, D. A., Jeffrey, B., von Eyben, R., Poullos, P. D., Poultsides, G. A., Fisher, G. A., Visser, B. C., Koong, A. C., Chang, D. T.
2018: 446
- **Continuing Medical Student Education During the Coronavirus Disease 2019 (COVID-19) Pandemic: Development of a Virtual Radiation Oncology Clerkship.** *Advances in radiation oncology*
Pollom, E. L., Sandhu, N., Frank, J., Miller, J. A., Obeid, J., Kastelowitz, N., Panjwani, N., Soltys, S. G., Bagshaw, H. P., Donaldson, S. S., Horst, K., Beadle, B. M., Chang, et al

2020; 5 (4): 732–36

- **Abdominal and Pelvic Reirradiation for Recurrent Gastrointestinal Cancers.** *Seminars in radiation oncology*
Chang, D. T., Koay, E. J., Herman, J. M., Hong, T. S., Das, P.
2020; 30 (3): 232–37
- **Predicting Pancreatic Cancer Resectability and Outcomes Based on an Objective Quantitative Scoring System.** *Pancreas*
Toesca, D. A., Jeffrey, R. B., von Eyben, R., Pollom, E. L., Poullos, P. D., Poultsides, G. A., Fisher, G. A., Visser, B. C., Koong, A. C., Chang, D. T.
; 48 (5): 622–28
- **Automated hepatobiliary toxicity prediction after liver stereotactic body radiation therapy with deep learning -based portal vein segmentation** *NEUROCOMPUTING*
Ibragimov, B., Toesca, D. S., Chang, D. T., Yuan, Y., Koong, A. C., Xing, L.
2020; 392: 181–88
- **Treating Oligometastatic Disease With SABR: More Than Just a Numbers Game?** *International journal of radiation oncology, biology, physics*
Chang, D. T., Pollom, E. L., Keane, F. K., Wo, J. Y.
2020; 107 (2): 257–60
- **Second cancer risk after primary cancer treatment with three-dimensional conformal, intensity-modulated, or proton beam radiation therapy.** *Cancer*
Xiang, M., Chang, D. T., Pollom, E. L.
2020
- **Signet ring cell carcinoma of the Ampulla of Vater: outcomes of patients in the United States.** *HPB : the official journal of the International Hepato Pancreato Biliary Association*
Kinslow, C. J., May, M. S., Kozak, M., Pollom, E. L., Chang, D. T.
2020
- **Endocrine-Exocrine Signaling Drives Obesity-Associated Pancreatic Ductal Adenocarcinoma.** *Cell*
Chung, K. M., Singh, J., Lawres, L., Dorans, K. J., Garcia, C., Burkhardt, D. B., Robbins, R., Bhutkar, A., Cardone, R., Zhao, X., Babic, A., Vayrynen, S. A., Dias Costa, et al
2020
- **Prognostic Significance and Genomic Correlates of Myeloid Cell Populations in the Pancreatic Cancer Microenvironment**
Vayrynen, S., Yuan, C., Vayrynen, J., Costa, A., Williams, H., Morales-Oyarvide, V., Lau, M., Rubinson, D., Dunne, R., Kozak, M., Wang, W., Agostini-Vulaj, D., Chang, et al
NATURE PUBLISHING GROUP.2020: 1681–82
- **Prognostic Significance and Genomic Correlates of Myeloid Cell Populations in the Pancreatic Cancer Microenvironment**
Vayrynen, S., Yuan, C., Vayrynen, J., Costa, A., Williams, H., Morales-Oyarvide, V., Lau, M., Rubinson, D., Dunne, R., Kozak, M., Wang, W., Agostini-Vulaj, D., Chang, et al
NATURE PUBLISHING GROUP.2020: 1681–82
- **The Utility of Stereotactic Body Radiotherapy for Palliation of Metastatic Pancreatic Adenocarcinoma.** *Practical radiation oncology*
Koong, A. J., Toesca, D. A., Baclay, J. R., Pollom, E. L., von Eyben, R., Koong, A. C., Chang, D. T.
2020
- **Neoadjuvant treatment strategies for resectable pancreas cancer: A propensity-matched analysis of the National Cancer Database.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*
Xiang, M., Heestand, G. M., Chang, D. T., Pollom, E. L.
2020
- **Clinical outcomes of hepatocellular carcinoma patients with Child-Pugh class B treated with stereotactic body radiation therapy**
Baclay, J., Toesca, D., von Eyben, R., Minneci, M., Pollom, E. L., Chang, D.
AMER SOC CLINICAL ONCOLOGY.2020
- **Emergency department use at the end of life in elderly patients with gastrointestinal malignancies and mental health comorbidities**
Kashyap, M., Harris, J., Chang, D., Pollom, E. L.
AMER SOC CLINICAL ONCOLOGY.2020

- **Insulin-like growth factor-1 receptor expression and disease recurrence and survival in patients with resected pancreatic ductal adenocarcinoma.** *Cancer epidemiology, biomarkers & prevention : a publication of the American Association for Cancer Research, cosponsored by the American Society of Preventive Oncology*
Du, C., da Silva, A., Morales-Oyarvide, V., Dias Costa, A., Kozak, M. M., Dunne, R. F., Rubinson, D. A., Perez, K., Masugi, Y., Hamada, T., Brais, L. K., Yuan, C., Babic, et al
2020
- **Intensified Systemic Therapy and Stereotactic Ablative Radiotherapy Dose for Patients with Unresectable Pancreatic Adenocarcinoma.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*
Toesca, D. A., Ahmed, F., Kashyap, M., Richelcyn M Baclay, J., von Eyben, R., Pollom, E. L., Koong, A. C., Chang, D. T.
2020
- **Cost-Effectiveness and Quality-Adjusted Survival of Watch-and-Wait after Complete Response to Chemoradiotherapy for Rectal Cancer.** *Journal of the National Cancer Institute*
Miller, J. A., Wang, H., Chang, D. T., Pollom, E. L.
2020
- **Deep learning for identification of critical regions associated with toxicities after liver stereotactic body radiation therapy.** *Medical physics*
Ibragimov, B., Toesca, D. A., Chang, D. T., Yuan, Y., Koong, A. C., Xing, L., Vogelius, I. R.
2020
- **Local control and toxicity outcomes of stereotactic radiosurgery for spinal metastases of gastrointestinal origin.** *Journal of neurosurgery. Spine*
Sandhu, N., Benson, K. R., Kumar, K. A., Eyben, R. V., Chang, D. T., Gibbs, I. C., Hancock, S. L., Meola, A., Chang, S. D., Li, G., Hayden-Gephart, M., Soltys, S. G., Pollom, et al
2020: 1–8
- **Importance of a Culture Committee for Boosting Morale and Maintaining a Healthy Work Environment in Radiation Oncology.** *Advances in radiation oncology*
Gutkin, P. M., Minneci, M. O., Valenton, J., Kovalchuk, N., Chang, D. T., Horst, K. C.
2020
- **Radiation Therapy for Rectal Cancer: Executive Summary of an ASTRO Clinical Practice Guideline.** *Practical radiation oncology*
Wo, J. Y., Anker, C. J., Ashman, J. B., Bhadkamkar, N. A., Bradfield, L., Chang, D. T., Dorth, J., Garcia-Aguilar, J., Goff, D., Jacqmin, D., Kelly, P., Newman, N. B., Olsen, et al
2020
- **Virtual Radiation Oncology Clerkship During the COVID-19 Pandemic and Beyond.** *International journal of radiation oncology, biology, physics*
Sandhu, N., Frank, J., von Eyben, R., Miller, J., Obeid, J., Kastelowitz, N., Panjwani, N., Soltys, S., Bagshaw, H. P., Donaldson, S. S., Horst, K., Beadle, B. M., Chang, et al
2020; 108 (2): 444–51
- **Stereotactic Body Radiation Therapy for Cholangiocarcinoma: Optimizing Locoregional Control With Elective Nodal Irradiation.** *Advances in radiation oncology*
Kozak, M. M., Toesca, D. A., von Eyben, R., Pollom, E. L., Chang, D. T.
2020; 5 (1): 77–84
- **Outcomes and Tolerability of Definitive and Preoperative Chemoradiation in Elderly Patients With Esophageal Cancer: A Retrospective Institutional Review.** *Advances in radiation oncology*
Rahimy, E., Koong, A., Toesca, D., White, M. N., Panjwani, N., Fisher, G., Chang, D., Pollom, E.
2020; 5 (6): 1188–96
- **Automated model versus treating physician for predicting survival time of patients with metastatic cancer.** *Journal of the American Medical Informatics Association : JAMIA*
Gensheimer, M. F., Aggarwal, S., Benson, K. R., Carter, J. N., Henry, A. S., Wood, D. J., Soltys, S. G., Hancock, S., Pollom, E., Shah, N. H., Chang, D. T.
2020
- **Microenvironmental adaptations drive obesity-associated pancreatic cancer**
Chung, K., Singh, J., Lawres, L., Dorans, K., Robbins, R., Bhutkar, A., Babic, A., Vayrynen, S. A., Costa, A. D., Nowak, J. A., Chang, D. T., Dunne, R. F., Hezel, et al
AMER ASSOC CANCER RESEARCH.2019

- **Australasian Gastrointestinal Trials Group (AGITG) and Trans-Tasman Radiation Oncology Group (TROG) Guidelines for Pancreatic Stereotactic Body Radiation Therapy (SBRT).** *Practical radiation oncology*
Oar, A., Lee, M., Le, H., Hruby, G., Dalfsen, R., Pryor, D., Lee, D., Chu, J., Holloway, L., Briggs, A., Barbour, A., Chander, S., Ng, et al
2019
- **Predicting Survival for Patients with Metastatic Disease.** *International journal of radiation oncology, biology, physics*
Benson, K. R., Aggarwal, S., Carter, J. N., von Eyben, R., Pradhan, P., Prionas, N. D., Bui, J. L., Soltys, S. G., Hancock, S., Gensheimer, M. F., Koong, A. C., Chang, D. T.
2019
- **Outcomes of Oligometastatic Colorectal Cancer treated with Stereotactic Ablative Radiotherapy**
Benson, K., Sandhu, N., Zhang, C., Ko, R. B., Toesca, D. S., Von Eyben, R., Diehn, M., Bush, K., Maxim, P. G., Gensheimer, M. F., Soltys, S. G., Loo, B. W., Pollom, et al
ELSEVIER SCIENCE INC.2019: E161–E162
- **Improved Survival with Modified Folfinrox and Higher Doses of Stereotactic Body Radiation Therapy for Treatment of Locally Advanced Pancreatic Adenocarcinoma**
Ahmed, F., Toesca, D. S., Von Eyben, R., Kashyap, M., Pollom, E., Chang, D. T.
ELSEVIER SCIENCE INC.2019: E232–E233
- **Stereotactic Body Radiotherapy for Cholangiocarcinoma: Optimizing Locoregional Control with Elective Nodal Irradiation**
Kozak, M., Toesca, D. S., Von Eyben, R., Pollom, E., Chang, D. T.
ELSEVIER SCIENCE INC.2019: E223–E224
- **Defining the Optimal Neoadjuvant Treatment Strategy in Patients with Resectable Pancreas Cancer**
Xiang, M., Chang, D. T., Heestand, M., Pollom, E.
ELSEVIER SCIENCE INC.2019: E249
- **Outcomes of Chemoradiation and Trimodality Therapy Among Elderly Patients with Locally Advanced Esophageal Cancer**
Panjwani, N., Chin, A. L., Xiang, M., Rahimy, E., Chang, D. T., Pollom, E.
ELSEVIER SCIENCE INC.2019: E193–E194
- **Deep Learning Approach for Markerless Pancreatic Tumor Target Localization**
Zhao, W., Shen, L., Han, B., Yang, Y., Cheng, K., Toesca, D. S., Koong, A. C., Chang, D. T., Xing, L.
ELSEVIER SCIENCE INC.2019: S202–S203
- **Clinical and Economic Impact of Mental Health Illnesses Surrounding a Gastrointestinal Malignancy Among Elderly Patients**
Harris, J. P., Panjwani, N., Chang, D. T., Pollom, E.
ELSEVIER SCIENCE INC.2019: E595–E596
- **Prognostic Model Using a Simple Survival Tree Algorithm for Patients Undergoing Palliative Radiation**
Balazy, K. E., Dudley, S. A., Qian, Y., Sandhu, N., Chang, D. T., Von Eyben, R., Kidd, E. A.
ELSEVIER SCIENCE INC.2019: E581
- **Tolerability and Toxicity of Definitive and Preoperative Chemoradiation in Octogenarian Patients with Esophageal Cancer**
Rahimy, E., Koong, A., Toesca, D. S., Panjwani, N., Fisher, G. A., Chang, D. T., Pollom, E.
ELSEVIER SCIENCE INC.2019: E196
- **Cost Effectiveness of Watch-and-Wait or Total Mesorectal Excision after Complete Clinical Response to Chemoradiotherapy for Rectal Cancer**
Miller, J. A., Wang, H., Chang, D. T., Pollom, E.
ELSEVIER SCIENCE INC.2019: E171
- **Stereotactic Radiosurgery for Spine Metastases of Gastrointestinal Origin**
Sandhu, N., Benson, K., Kumar, K. A., Von Eyben, R., Chang, D. T., Soltys, S. G., Pollom, E.
ELSEVIER SCIENCE INC.2019: E125–E126
- **Comparison of definitive chemoradiation with 5-fluorouracil versus capecitabine in anal cancer** *JOURNAL OF GASTROINTESTINAL ONCOLOGY*
Pumpalova, Y., Kozak, M. M., von Eyben, R., Kunz, P., Fisher, G., Chang, D. T., Haraldsdottir, S.
2019; 10 (4): 605–15

- **SATB2 and CDX2 are prognostic biomarkers in DNA mismatch repair protein deficient colon cancer** *MODERN PATHOLOGY*
Ma, C., Olevian, D., Miller, C., Herbst, C., Jayachandran, P., Kozak, M. M., Chang, D. T., Pai, R. K.
2019; 32 (8): 1217–31
- **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
- **Risk of subsequent cancer diagnosis in patients treated with 3D conformal, intensity modulated, or proton beam radiation therapy.**
Xiang, M. H., Chang, D., Pollom, E. L.
AMER SOC CLINICAL ONCOLOGY.2019
- **Predicting Pancreatic Cancer Resectability and Outcomes Based on an Objective Quantitative Scoring System**
Toesca, D. S., Jeffrey, R., von Eyben, R., Pollom, E. L., Poullos, P. D., Poultides, G. A., Fisher, G. A., Visser, B. C., Koong, A. C., Chang, D. T.
LIPPINCOTT WILLIAMS & WILKINS.2019: 622–28
- **SATB2 and CDX2 are prognostic biomarkers in DNA mismatch repair protein deficient colon cancer.** *Modern pathology : an official journal of the United States and Canadian Academy of Pathology, Inc*
Ma, C., Olevian, D., Miller, C., Herbst, C., Jayachandran, P., Kozak, M. M., Chang, D. T., Pai, R. K.
2019
- **Hepatobiliary Cancers, Version 2.2019 Featured Updates to the NCCN Guidelines** *JOURNAL OF THE NATIONAL COMPREHENSIVE CANCER NETWORK*
Benson, A. B., D'Angelica, M., Abbott, D. E., Abrams, T. A., Alberts, S. R., Anaya, D. A., Anders, R., Are, C., Brown, D., Chang, D. T., Cloyd, J., Covey, A. M., Hawkins, et al
2019; 17 (4): 303–10
- **The Burden of Mental Health Disorders Among Elderly Patients with Gastrointestinal Malignancies**
Harris, J., Xiang, M., Chang, D., Pollom, E.
ELSEVIER SCIENCE INC.2019: E30–E31
- **Downstaging and survival after neoadjuvant approaches to gastroesophageal junction adenocarcinoma.**
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