Stanford



Piotr Dubrowski

Clinical Instructor, Radiation Oncology - Radiation Physics

Bio

BIO

Piotr Dubrowski is a Canadian trained and board-certified Therapy Medical Physicist. Throughout his career Piotr has had the opportunity to bring several new Cancer Clinics operational from the ground up, where he was able to hone a broad, systems-approach to Radiation Oncology. He was recently promoted to Associate Quality Director of Physics responsible for improving patient safety and workflow/technology improvements across a wide cancer care network. Piotr's research interests focus mainly on improving the treatment planning process and increasing clinic safety through software development and hardware 3D-print prototyping. Additionally, Piotr has sought out opportunities to give back to the Global community with participation in the Stanford Global Radiation Oncology Outreach efforts expanding education and access to care in Tanzania and Kenya and throughout the developing world via online Radiation Therapy courses.

ACADEMIC APPOINTMENTS

- Clinical Instructor, Radiation Oncology - Radiation Physics

Publications

PUBLICATIONS

- **Chest wall pain after single-fraction thoracic stereotactic ablative Radiotherapy: Dosimetric analysis from the iSABR trial.** *Radiotherapy and oncology : journal of the European Society for Therapeutic Radiology and Oncology*
  Lau, B., Wu, Y. F., Cui, S., Fu, J., Jackson, S., Pham, D., Dubrowski, P., Eswarappa, S., Skinner, L., Shirato, H., Taguchi, H., Gensheimer, M. F., Gee, et al
  2024: 110317

- **A clinical solution for non-toxic 3D-printed photon blocks in external beam radiation therapy.** *Journal of applied clinical medical physics*
  Schulz, J. B., Dubrowski, P., Gibson, C., Yu, A. S., Skinner, L. B.
  2024: e14225

- **Tungsten filled 3D printed lung blocks for total body irradiation.** *Practical radiation oncology*
  Capaldi, D. P., Gibson, C., Villa, A., Schulz, J. B., Ziemer, B. P., Fu, J., Dubrowski, P., Yu, A. S., Fogh, S., Chew, J., Boreta, L., Braunstein, S. E., Witztum, et al
  2023

- **Shaping success: clinical implementation of a 3D-printed electron cutout program in external beam radiation therapy.** *Frontiers in oncology*
  Schulz, J. B., Gibson, C., Dubrowski, P., Marquez, C. M., Million, L., Qian, Y., Skinner, L., Yu, A. S.
  2023; 13: 1237037

- **An affordable platform for virtual reality-based patient education in radiation therapy.** *Practical radiation oncology*
  Schulz, J. B., Dubrowski, P., Blomain, E., Million, L., Qian, Y., Marquez, C., Yu, A. S.
  2023

- **Learning image representations for content-based image retrieval of radiotherapy treatment plans.** *Physics in medicine and biology*
  Huang, C., Vasudevan, V., Pastor-Serrano, O., Islam, M. T., Nomura, Y., Dubrowski, P., Wang, J. Y., Schulz, J. B., Yang, Y., Xing, L.
  2023
- **Pancreatic Stereotactic Body Radiation Therapy with or without Hypofractionated Elective Nodal Irradiation.** *International journal of radiation oncology, biology, physics*
  Miller, J. A., Toesca, D. A., Baclay, J. R., Vitzthum, L. K., Dubrowski, P., Pollom, E. L., Chang, D. T.
  2021
- **A Longitudinal Telehealth Curriculum for Radiation Oncology Centers in Low and Middle-Income Countries Transitioning from 2D to 3D External Beam Radiation Therapy**
  Yang, F., Carter, R., Ahmed, S., Plautz, T., Dubrowski, P., Wadi-Ramahi, S., Ashmeg, S., Ascoli, F., Wakefield, D., Adamson, J., Li, B.
  AMER ASSOC CANCER RESEARCH.2021
- **CT-less electron radiotherapy simulation and planning with a consumer 3D camera.** *Journal of applied clinical medical physics*
  Skinner, L., Knopp, R., Wang, Y., Dubrowski, P., Bush, K. K., Limmer, A., Trakul, N., Million, L., Marquez, C. M., Yu, A. S.
  2021
- **A robotically assisted 3D printed quality assurance lung phantom for Calypso.** *Physics in medicine and biology*
  Capaldi, D. P., Skinner, L. B., Dubrowski, P. n., Zhang, H. n., Xing, L. n., Chuang, C. F., Loo, B. W., Bush, K. K., Fahimian, B. P., Yu, A. S.
  2021
- **An integrated quality assurance phantom for frameless single-isocenter multitarget stereotactic radiosurgery.** *Physics in medicine and biology*
  Capaldi, D. P., Skinner, L. B., Dubrowski, P. n., Yu, A. S.
  2020
- **A novel-integrated quality assurance phantom for radiographic and nonradiographic radiotherapy localization and positioning systems.** *Medical physics*
  Yu, A. S., Fowler, T. L., Dubrowski, P.
  2018