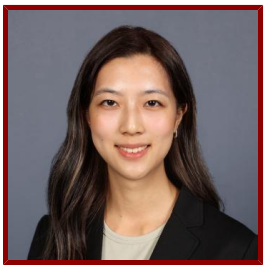
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Publications

PUBLICATIONS

- **Emerging FLASH therapy platforms for stereotactic radiosurgery and body radiotherapy.** *Journal of radiosurgery and SBRT*
  Chen, D., Schulz, J. B., Melemenidis, S., Skinner, L., Xing, L., Loo, B. W., Ashraf, M. R.
  2026; 10 (1-2): 101-121

- **Non-invasive Reversible Software-based Electron FLASH Irradiation Configuration of a Linear Accelerator in Clinical Use.** *International journal of radiation oncology, biology, physics*
  Melemenidis, S., Chen, D., Jensen, C., Schulz, J. B., Surucu, M., Yu, A. S., Graves, E. E., Shi, M., Reilly, M., Maxim, P. G., Currell, A., Loo, B. W., Skinner, et al
  2026

- **FLASH reduces radiation-induced oral mucositis in a mouse model of Fanconi anemia**
  Loo, P., Pan, M., Zhao, M., Melemenidis, S., Chen, D., Casey, K. M., Epperly, M., Greenberger, J. S., Loo, B. W., Rankin, E.
  AMER ASSOC CANCER RESEARCH.2026

- **Multi -Institutional Standardized Dosimetry Protocol for Preclinical Radiobiological Experiments**
  Melemenidis, S., Ashraf, R. M., Chen, D., Liu, K., Velasquez, B. D., Connell, L., Schulz, J. B., Duff, S., Katila, N., Flores, K. Z., Schueler, E., Loo, B. W.
  ELSEVIER SCIENCE INC.2024: S21-S22

- **Secondary neutron dosimetry for conformal FLASH proton therapy** *MEDICAL PHYSICS*
  Chen, D., Motlagh, S., Stappen, F., Labarbe, R., Bell, B., Kim, M., Teo, B., Dong, L., Zou, W., Diffenderfer, E.
  2024

- **Characterization of a Spatially resolved multi-element laser ablation ion source** *INTERNATIONAL JOURNAL OF MASS SPECTROMETRY*
  Murray, K., Chambers, C., Chen, D., Feng, Z., Fraser, J., Ito, Y., Lan, Y., Mendez, S., Rasiwala, H., Richez, L., Roy, N., Simpson, R., Dilling, et al
  2022; 472