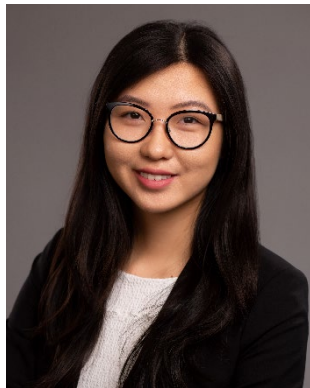# Lewis Blackman Patient Safety Award

This award recognizes residents and fellows who have worked to implement strategies to improve the understanding of and show demonstrable improvement in patient safety in their Sponsoring Institution or residency/fellowship program.

Leslie Chang, MD
Team Members: Mario Duhon, MD; Ricky Ratliff; Jean Wright, MD
Radiation Oncology
Johns Hopkins University

Nominators had this to say:
"Throughout Dr. Chang's residency, she has been passionate about expanding initiatives regarding education and research on quality improvement and safety in radiation oncology. Despite mounting evidence suggesting that peer review has a documented impact on outcomes, there is little guidance for specific peer review processes from radiation oncology professional organizations. In addition, one of the top deficiencies in radiation oncology practices includes documentation of treatment planning quality assurance. Further, radiation oncology is inherently a specialty dependent on interdisciplinary communication as patients are treated by an entire team, including nurses, physicians, dosimetrists, medical physicists, and radiation therapists, which inherently increases complications in communication and risks of user error. Therefore, she has led the development and implementation of a new peer review workflow using a checklist tool to improve assessment of plan changes [and identify] disease site-specific needs and created a longitudinal registry to report peer-review quality metrics. She has collaborated with our software engineering and dosimetry teams to create a checklist tool and data repository that would be able to collect this quality improvement data within an institutional server. She has utilized implementation science methodology during the developmental process and engaged with peer-review stakeholders to perform a needs analysis about provider acceptability and feasibility of this new process using semi-structured interviews. During the rollout and early implementation period, she performed the primary data collection and statistical analysis of the results. Throughout this process she works to identify barriers to implementation and communicates with potential end users to streamline the workflow."