



Advanced Immuno-Oncology (I-O) ChangeMakers

Action Learning Projects to Improve Cancer Care

Project Title	Improving the concordance of PD-L1 scoring for upper GI cancers
Problem/Challenge	Studies have shown interobserver variability in PD-L1 scoring for upper GI cancers.
	Test results are reported as CPS (combined positive score), which is calculated based
	on the number of PD-L1 staining cells (tumor cells, lymphocytes, macrophages)
	divided by the total number of viable tumor cells, multiplied by 100. Pathologists
	may use different methods to count cells and calculate CPS.
Aim/Goal	Reduce the interobserver variability in PD-L1 scoring for upper GI cancers.
Key Interventions	We sought to evaluate the reproducibility and concordance in PD-L1 scoring across multiple pathologists. We collected over 100 gastric and gastroesophageal adenocarcinoma biopsies where PD-L1 (22C3) testing was performed. The H&E and IHC stained slides were scanned and the digital slides were distributed to pathologists in different institutions. Pathologists were asked to provide CPS scoring on the digital images.
Summary of Results	As of Dec 2021, our team was in the process of collecting data and this project remains ongoing. We believe this project will help pathologists improve how they perform CPS scoring and provide valuable insights around ways to reduce interobserver variability.
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