Implementation of an Anesthesia Supply Checklist in Intervention Radiology for Lung Cryoablation cases

PURPOSE
The purpose of this scholarly project was to improve the workflow process of acquiring supplies and equipment by implementing a supply checklist and improve the response time during Lung Cryoablation (LC) cases in Interventional Radiology.

BACKGROUND
The Quality Improvement (QI) project was implemented in the Interventional Radiology (IR) of a large, urban academic hospital, located within the Southwestern United States within the population of LC cases.

METHODOLOGY
A supply checklist was created and implemented to standardize the method to acquire supplies prior to lung cryoablation cases. The program employed the Plan-Do-Study-Act quality improvement method. A pre and post-implementation survey Adherence was evaluated through run chart

RESULTS
Thirty parents completed the survey, with 17% reporting areas of concern. Parent concerns most frequently involved communication breakdowns between parent and healthcare providers, or between healthcare providers.

IMPLICATIONS
Engagement of parents is encouraged as an essential component to improving patient outcomes. Parents can provide a unique insight into current practices and help identify unsafe procedures.

Engagement of patients and families in error identification is warranted to improve healthcare. Future quality improvement projects should focus on sustainable solutions to obtain patients’ and families’ input in the identification of errors in healthcare.