One of the newest frontiers in cancer research and treatment is the injection of various substances into cancerous tumors. Multiple protocol procedures began occurring daily on our post-procedural unit, with each having different needs in recovery. Some requirements included specific times for vital signs, collection of bloodwork, performing an EKG series, observation time frame for adverse reactions, admission/discharge/transfer, and patient education. In addition to the regular recovery load, nurses had new and different types of patients on a variety of protocols to care for.

A need was identified for additional education and improved communication between the recovery nursing staff and research teams to facilitate patient safety and high-quality patient care while ensuring all protocol parameters were met.

The research teams created a series of educational sessions for each protocol to clarify points and provide staff an opportunity to ask questions. Laminated tip sheets were created and placed on the unit for reference. Also, monthly meetings with research coordinators and recovery nurses were scheduled to call attention to and resolve issues.

Research coordinators provided weekly reports and daily emails of changes were transcribed onto a daily reference sheet with all pertinent information for each patient’s care. Staff were educated on Cytokine Release Syndrome and its protocols. Nurses were surveyed pre and post education, and again after six months of patient care for this population.

### Background
One of the newest frontiers in cancer research and treatment is the injection of various substances into cancerous tumors. Multiple protocol procedures began occurring daily on our post-procedural unit, with each having different needs in recovery. Some requirements included specific times for vital signs, collection of bloodwork, performing an EKG series, observation time frame for adverse reactions, admission/discharge/transfer, and patient education. In addition to the regular recovery load, nurses had new and different types of patients on a variety of protocols to care for.

### Objective
The objective of this project was to increase nursing knowledge and comfort level in caring for patients on research protocols.

### Implementation
The research teams created a series of educational sessions for each protocol to clarify points and provide staff an opportunity to ask questions. Laminated tip sheets were created and placed on the unit for reference. Also, monthly meetings with research coordinators and recovery nurses were scheduled to call attention to and resolve issues.

Research coordinators provided weekly reports and daily emails of changes were transcribed onto a daily reference sheet with all pertinent information for each patient’s care. Staff were educated on Cytokine Release Syndrome and its protocols. Nurses were surveyed pre and post education, and again after six months of patient care for this population.

### Survey Questions
- Do you know what the acronym CRS means?
- How comfortable are you with identifying the signs and symptoms of CRS?
- Do you know where the CRS Algorithm is located?
- How do you provide specific protocol discharge instructions to a patient who recovers in our area?
- How comfortable are you with patients who are on protocols and recovery in P3/G3?
- What would you like to see improve on the unit regarding protocol patients?

### Survey Questions 2-5
- Nurses rated the importance of improvement in:
  - Communication
  - MD response
  - Nurse education
  - Orders
  - Patient education
  - Workflow
  - Organization of protocol information

There was also an area to suggest improvements.

### Background
One of the newest frontiers in cancer research and treatment is the injection of various substances into cancerous tumors. Multiple protocol procedures began occurring daily on our post-procedural unit, with each having different needs in recovery. Some requirements included specific times for vital signs, collection of bloodwork, performing an EKG series, observation time frame for adverse reactions, admission/discharge/transfer, and patient education. In addition to the regular recovery load, nurses had new and different types of patients on a variety of protocols to care for.

A need was identified for additional education and improved communication between the recovery nursing staff and research teams to facilitate patient safety and high-quality patient care while ensuring all protocol parameters were met.

### Objective
The objective of this project was to increase nursing knowledge and comfort level in caring for patients on research protocols.

### Implementation
The research teams created a series of educational sessions for each protocol to clarify points and provide staff an opportunity to ask questions. Laminated tip sheets were created and placed on the unit for reference. Also, monthly meetings with research coordinators and recovery nurses were scheduled to call attention to and resolve issues.

Research coordinators provided weekly reports and daily emails of changes were transcribed onto a daily reference sheet with all pertinent information for each patient’s care. Staff were educated on Cytokine Release Syndrome and its protocols. Nurses were surveyed pre and post education, and again after six months of patient care for this population.

### Survey Questions
- Do you know what the acronym CRS means?
- How comfortable are you with identifying the signs and symptoms of CRS?
- Do you know where the CRS Algorithm is located?
- How do you provide specific protocol discharge instructions to a patient who recovers in our area?
- How comfortable are you with patients who are on protocols and recovery in P3/G3?
- What would you like to see improve on the unit regarding protocol patients?

### Survey Questions 2-5
- Nurses rated the importance of improvement in:
  - Communication
  - MD response
  - Nurse education
  - Orders
  - Patient education
  - Workflow
  - Organization of protocol information

There was also an area to suggest improvements.

### Background
One of the newest frontiers in cancer research and treatment is the injection of various substances into cancerous tumors. Multiple protocol procedures began occurring daily on our post-procedural unit, with each having different needs in recovery. Some requirements included specific times for vital signs, collection of bloodwork, performing an EKG series, observation time frame for adverse reactions, admission/discharge/transfer, and patient education. In addition to the regular recovery load, nurses had new and different types of patients on a variety of protocols to care for.

A need was identified for additional education and improved communication between the recovery nursing staff and research teams to facilitate patient safety and high-quality patient care while ensuring all protocol parameters were met.

### Objective
The objective of this project was to increase nursing knowledge and comfort level in caring for patients on research protocols.

### Implementation
The research teams created a series of educational sessions for each protocol to clarify points and provide staff an opportunity to ask questions. Laminated tip sheets were created and placed on the unit for reference. Also, monthly meetings with research coordinators and recovery nurses were scheduled to call attention to and resolve issues.

Research coordinators provided weekly reports and daily emails of changes were transcribed onto a daily reference sheet with all pertinent information for each patient’s care. Staff were educated on Cytokine Release Syndrome and its protocols. Nurses were surveyed pre and post education, and again after six months of patient care for this population.