

Values-Based Disclosure & Claims Management:

CASE STUDY

Presented by: Mohan Kulkarni, MD, Medical Director, Quality & Safety March 7, 2012



Ms. Kouko Bonney

- Ms. Kouko Bonney, a 78 year old Asian immigrant with a large, close-knit extended family, and metastatic lung cancer.
- Present to OR for an excision/biopsy of a deep cervical lymph node and implantable port insertion for chemotherapy.
- Normal surgical prep: Oxygen by mask, neck prepped with alcohol-based skin prep, standard tent draping over patient's torso and face.

 Port implanted without incident; Proceeded to excise node using cautery.



- Fire is immediately extinguished.
- Ms. Bonney suffers 1st and 2nd degree burns to face, neck and right shoulder.
- Bronchoscopy verifies no apparent injury to airway; patient stable.

Now to tell the family:

- Entire surgical team meets with General Counsel and COO to debrief and prepare for disclosure.
- Determined that MDA and Surgeon to meet with family, make disclosure.
- Coaching, coaching, coaching:

Empathy: "We're sorry this happened."

Set Expectations: "We don't know why this happened right now, but we will find out, we will share what we find, and we will make sure it doesn't happen again."

Family is:

- Upset, concerned about wife, mom.
- Some family members angry, believing burn injuries contributed to her breathing problems.
- Ms. Bonney passes as a result of her cancer within several months of the incident. RCA completed, and results shared with family.
- Some family members still angry, threatening, believing incident hastened her demise and decreased her quality of life.

- Continued to involve family in the progress of our improvement efforts.
- Family wanted to make sure their loved one's legacy was to make sure that steps were taken to prevent this type of incident from happening to anyone else.

The family requested that their mother's story be shared throughout the organization so that staff would not forget the danger of a surgical field fire.

At the recommendation of the family, the fire risk assessment has been renamed "The Kouko Bonney Fire Risk Assessment" as a legacy for their mother.

Ms. Bonney's story has been shared with the leadership team and is being cascaded throughout the organization to staff.

The Kouko Bonney Fire Risk Assessment

Alcohol-based pre-solution dried for >5 minutes. No pooling observed. □Yes □No □NA		
(Circle appropriate option)	Υ	N
* Surgical site or incision above the xiphold, or involving airway or pulmonary components	1	0
* Open oxygen source, > 30% oxygen (supplemental oxygen via face mask or nasal cannula) potential airway leak, proximity of ETT, double-furnen tube	1	0
* Available ignition source: e.g., monopolar electrosurgery unit, laser, fiberoptic light source	1	0
Total Score		
Scoring: 3 = High Risk: 2 = Low risk w/potential to convert to high risk 1 = Low risk		
☐ High Risk Fire Protocol initiated by: Anesthesis provider Surgeon RN Scrub tech (circle one)		

Fire Risk Protocols: Score 3 – High Risk

The circulating nurse, surgeon and anesthesia providers take these precautions and communicate at handoff.

Circulating nurse:

- □ Writes "Fire Risk High" on dry erase board
- Ensures appropriate draping techniques to minimize oxygen (use occlusive drape if high fire risk)
- Confirms verbally the electrocautery setting
- Assesses that alcohol containing preps are not used for head and neck cases
- ☐ Places laser in "stand-by" mode when not in use. Secures laser foot pedal to prevent accidental activation

Anesthesia Provider/Nurse:

- ☐ Notifies the surgeon and documents if O2 concentration > 30% or risk of air leak present
- Before an ignition, source is activated:
 - Reduce the oxygen concentration of 30% or less if possible or discontinue use of O2
 - Stop the use of nitrous oxide

Surgical Tech/Procedure Tech:

- Ensures water or saline is available for the surgical field
- □ Wats sponger
- □ Ensures suction is always available on field
- Ensures ESU in holster when not in use. Light source turned off when not in use

Surgeon/Proceduralist:

- Before an ignition source is activated:
 - Wets sponges used as barrier between ESU and oxygen source
 - Announces the initial intent to use an ignition source
 - Verifies that the anesthesia provider has reduced the O2 concentration to the minimum acceptable level for 1-3 minutes before using ignition source
 - Confirms verbally the heat source setting minimize ESU setting is possible

In Case of Fire:

- Shout "Fire"
- 2. Remove ETT (if airway fire)
- 3. Turn off O2
- 4. Throw saline in field

