

## **Senior Training Fellowship**

**1. Name :** SONIA P. ABRAHAM

**2. Department :** OR NURSING, COLLEGE OF NURSING, CMC

**3. Year of STF:** 2015

**4. Objectives stated in the application for STF:**

- To gain knowledge on peri-operative patient safety
- To improve knowledge of peri-operative documentation
- To gain expertise in the prevention of thermal injuries related to warming solution, warming up patients using Bair Hugger & ESU.
- To develop evidence based check list for patient safety
- To learn policy, protocol & procedure for safety in OR.
- To refresh knowledge on fire safety
- To update on Quality assurance and performance improvement activities for peri-operative personnel.
- To learn on in-service education and competency validation for perioperative personnel.
- To learn application of modern sterilization techniques and instrument maintenance.
- To identify and initiate areas of research in the department.

**5. Center visited for STF:**

Nationwide Children's Hospital, Columbus, Ohio,  
Mentor: Ms. Janet Berry.

**6. Short Description of training:**

I had an opportunity to visit "Nationwide Children's Hospital" Columbus, Ohio, USA from 21<sup>st</sup> January to 9<sup>th</sup> February 2016. I was posted in OR and observed a Robotic surgery with the help of my Mentor Ms. Janet Berry. I had attended a fire rehearsal mock drill. I also attended various meetings related to infection control, first case on time, OP time super user, Peri-op Quality, RCA (Root cause analysis), e-safety (employee), recruitment / retention, fire safety,

daily organization and safety and had the opportunity to shadow an RN in OR, PACU (Post Anaesthesia Care Unit), Emergency department and Surgical wards. Spent a day in Central processing unit and observed the Case Cart system and one tray sterilization technique. I also had an opportunity to observe the Peri-operative Electronic documentation, in-service education for staff and policies and protocol used in OR. Observed floor mapping, locating various departments in the hospital, various pamphlets prepared by Quality cell eg: back pain, infection control, needle stick injury and a hand book on policies of the hospital to staff, visitors and patients.

On 10<sup>th</sup> & 11<sup>th</sup> February for two days I had visited the OR of Island Jewish Medical Centre (Lake Shore Hospital) New York. Mentors Ms. Dolores M Reisert & Ms. Denise Waslo helped me to visit Operating Room and attended few meetings with Nurse Managers, Infection control team and Quality management team for Incident occurring events meeting. I got an opportunity to observe the Central processing system for cleaning instruments and sterilization methods for endoscopes, Time out procedure, position articles and quiver bags for ESU (cautery) tips to prevent burns. In LIJ hospital, one of the Indian Company “arrowsight” has installed a system by which the ‘Time out percentage’, ‘lapse time’ and ‘occurrence of events’ in each OR is displayed in control desk.

Overall the 24 days experience was very useful professionally and personally. I have availed 20 days of Deputation leave and 8 days of special leave from 18.1.2016 to 14.2.2016.

**Objectives on return to CMC:**

1. Modify Peri operative documentations record and introduce Electronic documentation
2. Prepare a check list for warming solutions and Bair hugger and ESU to prevent thermal injury.
3. Discuss with administration to introduce Central processing for OR instruments and ‘Case Cart system’
4. Introduce more position equipments like gelfoam, Z- flo and make protocol related to prevention of pressure sores.

5. Initiate and conduct research on the use or application of ESU plates and quiver bags to prevent cautery burns.
6. Discuss with administration to introduce “Steris machine’ using Para acetic acid for sterilizing endoscopes instead of Cidex.
7. Discuss with administration to introduce the ‘Arrow sight’ company for Time out Percentage and to reduce the ‘lapse time’ (in between cases).
8. Prepare an environmental safety check list and participate in environmental safety rounds.
9. Discuss with steering committee for ‘Ten step surgical time out’
10. Discuss with Nursing superintendent, theatre committee chairperson and HOD of OR Nursing and reinforce policy, protocol and procedure for the following:

1. OR Safety policy
2. Patient positioning policy.
3. Infection control policy
  - ❖ High level disinfection.
  - ❖ Sterilization
  - ❖ Infectious waste disposal and Guidelines for handling infectious waste
4. Fire safety
5. Radiation safety in OR