



TL9EO – Visibility, Accessibility, and Communication

TL9EOc: Provide one example, with supporting evidence, of an improvement in patient care or the nurse practice environment, associated with communication between the clinical nurse(s) and a nurse manager.

- *Outcome data must be submitted in the form of a graph with a data table.*

Example TL9EOc: Reducing Medical Device Related Pressure Injuries (MDRPI) in the Operating Room (OR) by Communication Between Clinical Nurses in the Unit Council and Ohoud Madani, MSN RN, Head Nurse (Nurse Manager)

Problem

A new surgical procedure was added to the OR for the maxillofacial specialty in July 2020. This specific population of patients required an extended surgery time and the use of a nasopharyngeal tube during surgery which was not visible once the patient had been draped. Due to the nasopharyngeal tube being inaccessible and not visible, the patient had an added disadvantage in that the tube could not be adjusted or observed during surgery. In addition, the position of the patient's head could not be adjusted or the pressure relieved. This resulted in reported MDRPIs. The rate of MDRPI in all the maxillofacial cases in the third quarter of 2020 was 0.22.

Goal Statement

Reduce the rate of MDRPIs related to maxillofacial surgery patients in the OR at KFSHRC-J.

Participants

Table TL9EOc: OR MDRPI Task Group and OR Unit Council Members

Name & Credentials	Job Title	Department
Ohoud Madani, MSN RN	Head Nurse Team Leader	OR
Janis Bruyns, BSN RN, MA	Program Director Facilitator	Ambulatory Care Services, Nursing Affairs
Cini Alias, BSN RN	Staff Nurse 1 (SN1), Clinical Nurse, UC Chair	OR

Carol Clark, Dip.N RN	SN1, Clinical Nurse	OR
Samma Skariah, BSN RN	SN1, Clinical Nurse	OR
Flor Thelma, BSN RN	SN1, Clinical Nurse	OR
Mary George, Dip. N RN	SN1, Clinical Nurse	OR
Anisha Joseph, BSN RN	SN1, Clinical Nurse	OR
Maria Simon, BSN RN	SN1, Clinical Nurse	OR
Varghese Valsamma, Dip.N RN	SN1, Clinical Nurse	OR
Shahad Flemban, BSN RN	SN1, Clinical Nurse	OR
Pornobi Irma, BSN RN	SN1, Clinical Nurse	OR
Sharon Caneda, BSN RN	SN1, Clinical Nurse	OR
Batool Alsabab, BSN RN	Nurse Clinician	OR
Ruth Kommu, MSN RN	Senior Clinical Specialist, Wound Care Specialist	Nursing Affairs
Reema Alsaigh, M.B.B.S, D.ABA	Consultant Anestheologist	Anesthesiology Department
John Heaphy, M.D.	Consultant, Otolaryngology	Surgery Department
Mahmoud Hawamdeh, Dip. Anesthesia	Supervisor, Anesthesia Technology	Clinical Services

Description of the Intervention

On September 10, 2020, Ohoud Madani, MSN RN, Head Nurse, Operating Room and Recovery Room, was approached by the OR clinical nurses, including the Unit Council chairperson Cini Alias, BSN RN, to report an observation of increasing HAPI from the nasogastric tube usage in the maxilla facial patient population in the OR. On September 17, 2020, Ohoud and Cini requested advice from the wound care specialist, who recommended a new set of supplies and a practice change to using Mepilex as a preventive strategy. On October 06, 2020, Ohoud facilitated a discussion with the surgical team and supported the materials management team to add four new stock items to the Operating Room supplies Average Monthly Usage.

- Molnlycke Mepilex Lite 15x15cm /6x6 with Item Code #: 400002
- DuoDerm Extra Thin Hydrocolloid Dressing with Item Code #: 423115000200
- DuoDerm Extra Thin Hydrocolloid Dressing with Item Code #: 423115000042
- Cavilon Stick 3M with Item Code #: 342311513

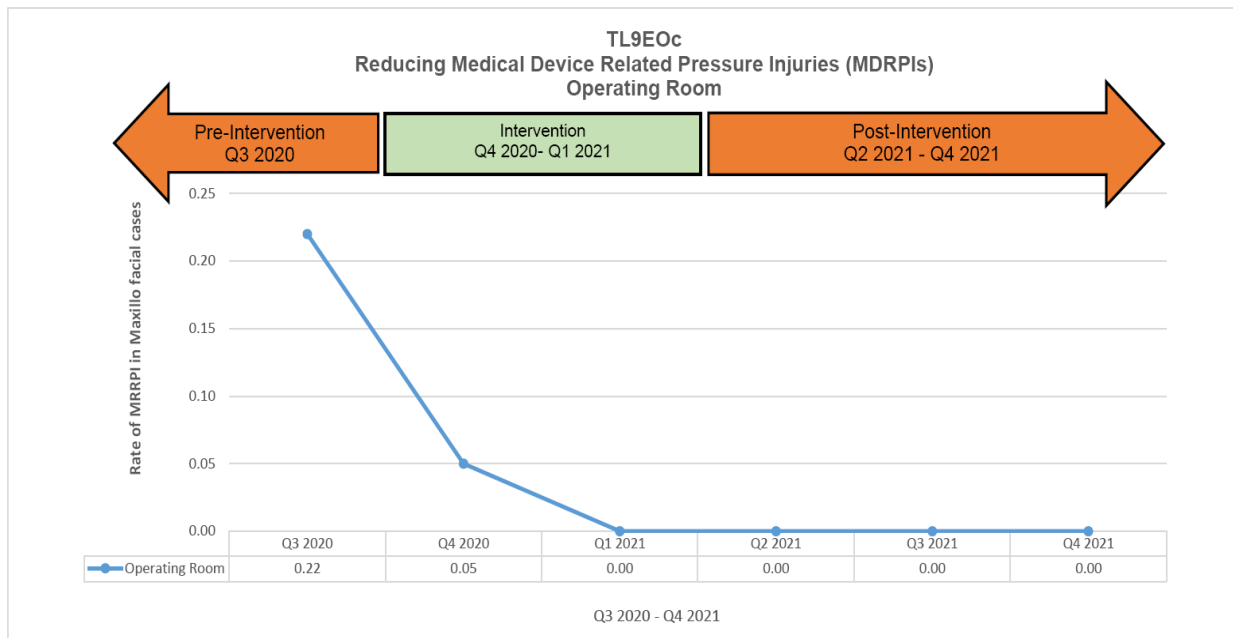
On November 12, 2020, Ohoud asked Batool Alsabab, BSN RN, Nurse Clinician, to present an in-service on the prevention of MDRPI to the OR nursing staff and anesthesia technicians, with 37 staff attending.

In the first quarter of 2021, the supplies for the Mepilex arrived. Mepilex Lite was applied under the nasopharyngeal tube for all major long maxillofacial cases. The nurse clinician educated all the staff on the application of this new material during the first quarter of 2021.

All interventions and education were completed during the fourth quarter of 2020, and the first quarter of 2021.

Outcome

The improved outcomes were supported by the communication, action planning, and partnership between the clinical nurses and their nurse manager, as seen in Graph TL9EOc below.



Graph TL9EOc: Reducing MDDRPIs in OR