

## **Sigma's 30th International Nursing Research Congress**

### **The Use of Flipped Thinking to Improve Care of the MDRPIs From Facial in ICU**

**Hsin I. Lui, BSN<sup>1</sup>**

Li Fen Chung, MSN<sup>2</sup>

Hsiu Hui Wei, MSN<sup>2</sup>

*(1)Chi Mei Medical Center, Tainan City, Taiwan*

*(2)Department of Nursing, Chi Mei Medical Center, Tainan City, Taiwan*

#### **Purpose:**

The objective was to investigate the result of using facial medical device in nursing unit and the cause of Medical Device Related Pressure Injury (MDRPIs). By flipped thinking to stimulate brainstorming of nursing staffs on the MDRPIs, in contrast to the traditional to the traditional medical care model, the new preventive design against skin contusion and an innovative interactive education to improve personnel's awareness of behaviors leading to MDRPIs from facial, in order to improve patient comfort and satisfaction.

#### **Methods:**

In this study, the intensive care unit of an internal medicine department of a medical center in Southern Taiwan was selected as a small research subject to retrospectively analyze a total of 13 incidents of MDRPIs of faical from January 1 to August 31, 2018. The counter-strategy would be drafted as follows: (1) Innovative design of pressure-proof material from facial; (2) Drafting of manual and schematic illustration for prevention of MDRPIs from facial; (3) Organization of interactive operational education course based on flipped thinking; and (4) Drafting and revising the standard and checklist against.

#### **Results:**

The follow-up on the result of this study from June 1 to September 30, 2018, showed two incidents of MDRPIs from facial. The cognitive capability of the professional nursing staff had increased from 54 points to 89 points. The patient's satisfaction toward nursing staff was increased from 58% to 98%. The patients showed 100% satisfaction to the comfort of wearing medical device.

#### **Conclusion:**

From the perspective of a nursing professionalism, along with Innovative design of pressure-proof material and interactive experience education for facial, the strategy could effectively improve the personnel's recognition and awareness of preventive care for MDRPIs, to significantly improve the rate of occurrence and gain positive feedback from patients in terms of comfort and satisfaction, from which such practice would be worthy of promotion to clinical practices in various medical units .

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#### **Title:**

The Use of Flipped Thinking to Improve Care of the MDRPIs From Facial in ICU

#### **Keywords:**

## Flipped thinking, Intensive care unit and Medical Device Related Pressure Injury

### References:

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### Abstract Summary:

Improper medical care and the inability to provide immediate prevention affect a patient by reducing the comfort of wearing the medical device and increasing the infection rate, which affects the relationship between nursing staff and patient, as well as the exhaustion of medical resource, as an important part of quality

### Content Outline:

Introduction:

The ratio of Medical Device Related Pressure Injury (MDRPIs) is important part of quality of care.

Method:

In this study, the intensive care unit of an internal medicine department of a medical center in Southern Taiwan was selected as a small research subject to retrospectively analyze for MDRPIs of facial. The counter-strategy would be drafted as follows:

- (1) Innovative design of pressure-proof material from facial
- (2) Drafting of manual and schematic illustration for prevention of MDRPIs from facial
- (3) Organization of interactive operational education course based on flipped thinking
- (4) Drafting and revising the standard and checklist against.

Result:

The follow-up on the result of this study from June 1 to September 30, 2018, showed two incidents of MDRPIs from facial.

- (1) The cognitive capability of the professional nursing staff had increased from 54 points to 89 points.
- (2) The patient's satisfaction toward nursing staff was increased from 58% to 98%.
- (3) The patients showed 100% satisfaction to the comfort of wearing medical device.

Conclusion:

The strategy could effectively improve the personnel's recognition and awareness of preventive care for MDRPIs, to significantly improve the rate of occurrence and gain positive feedback from patients in terms of comfort and satisfaction.

First Primary Presenting Author

***Primary Presenting Author***

Hsin I. Lui, BSN  
Chi Mei Medical Center  
Registered Nurse  
Yongkang Dist.  
Tainan City  
Taiwan

**Author Summary:** I am a compassionate Registered Nurse with six years of ICU experience and currently working at Chi Mei Medical Center in the Medical ICU department. I have completed work cases, case reports, case analyses, as well as PICO.

Second Secondary Presenting Author

***Corresponding Secondary Presenting Author***

Li Fen Chung, MSN  
Chi Mei Medical Center  
Department of Nursing  
Quality Management Nurse  
Yongkang Dist.,  
Tainan City  
Taiwan

**Author Summary:** I am a clinical nurse, engaged in nursing work for 18 years, with intensive care unit experience and receiving ACLS and RCA and Preceptor training. Current clinical care includes in-service education, quality manager of nursing, abnormal event analysis and notification, clinical care quality monitoring.

Third Author

Hsiu Hui Wei, MSN  
Chi Mei Medical Center  
Department of Nursing  
Wound care Nurse

East Dist.  
Yongkang Dist.  
Tainan City  
Taiwan

**Author Summary:** The author is currently responsible for clinical wound care care. Expertise for chronic wound care, community care, Long-term care. Current clinical care includes wound care, on-the-job education, quality control, and wound care research.