



# Using Evidence based Skin Integrity Enhancement Program to Improve the Effectiveness and Efficiency of Prevention and Management of Incontinence-Associated Dermatitis (IAD)

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# INTRODUCTION

- Prevention of skin damage is considered a standard care
- Represents a significant health challenge worldwide



# OBJECTIVE

- To improve the effectiveness and efficiency of the prevention and management of IAD in hospital setting by implementing an evidence-based protocol.
- To improve staff understanding and increase their awareness on prevention and management of IAD
- To monitor the IAD incident rate and identify area for improvement

# METHODOLOGY

- An evidence-based protocol was implemented
  - Simplified approach to categorize IAD and used simple structured skin care regimen
- Incontinence score was used as assessment tool to screen the patients who are at risk of developing IAD.
- In Service training

Patient with urinary +/- faecal incontinence	ACTIONS
<b>Category 0</b> No redness and skin intact	<b>CLEANSE</b> ✓ Use no-rinse skin cleanser  <b>MOISTURIZE &amp; PROTECT (Apply Q4H)</b> ✓ Petroleum e.g. Vaseline ointment
<b>Category 1</b> Redness but skin intact	<b>CLEANSE</b> ✓ Use no-rinse skin cleanser  <b>MOISTURIZE &amp; PROTECT (Apply Q4H)</b> ✓ Petroleum e.g. Vaseline ointment
<b>Category 2</b> Redness with skin break down/or blisters	<b>CLEANSE</b> ✓ Use no-rinse skin cleanser  <b>MOISTURIZE &amp; PROTECT (Apply Q4H)</b> ✓ Multi-barrier ingredients skin care product  <b>SUPPORTING INTERVENTIONS:</b> ✓ Inform physician ✓ +/- Foley ✓ +/- Urinary sheath ✓ +/- Anal plug ✓ +/- Bowel Management System  * Inform physician for suspect of skin infection

# RESULT & OUTCOMES

- A pilot study includes 2682 patients was conduct in CMC Surgical from April to August 2017. Total 18 patients were suffered from different severity of IAD.
- The outcomes were measured at three aspects
  - Staff knowledge on the IAD and its management
  - Severity of IAD
  - IAD Incident Rate
- Total 32 staff attended the in-service training, they all improved their knowledge in IAD and they all agreed that the content of the training was applicable in clinical setting.

# RESULT & OUTCOMES

## CONCLUSION

- The result showed that Skin Integrity Enhancement Program was effective and efficient in both management and prevention of IAD.
- IAD is a risk factor for pressure injury development, stop IAD can reduce the incidence of pressure injury.

5.73

0.36

August

— IAD incident Rate