

Improving the Accuracy of Caring for Infant with Diaper Dermatitis

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ABSTRACT

Purpose: The purpose of this project is to increase the accuracy of nursing care for diaper dermatitis and reduce diaper dermatitis the rate .Data analyzed 31.9% incident rate of diaper dermatitis in PICU, a 52.3 % of performed accuracy of diaper dermatitis care.

Methods: A project was implemented from 95.2% and strategies were made to increase educational training, developing a new standardized care guideline of diaper dermatitis; making a diaper dermatitis grading scale; formulating/drawing up a diaper dermatitis risk score; providing skin protection agents and warm water.

Results: The correct rate of nursing care for diaper dermatitis had increased from 52.3% to 95.2% after implementation and incidence of diaper dermatitis in our intensive care unit reduce the from 31.9% to 15% in 2020.

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INTRODUCTION

The skin integrity is a major issue for nurses because it implied the quality of nursing. Diaper dermatitis is a common contact dermatitis in infants and young children. If not properly treated, it may lead to recurring skin infections, which may prolong hospitalization days and increase medical costs. Data analyzed 31.9% incident rate of diaper dermatitis in PICU, a 52.3 % of performed accuracy of diaper dermatitis care.

METHODS AND MATERIALS

Step 1:evaluation and analysis of clinical situations, the problems were identified .The factors that we identified as associated with Diaper Dermatitis included:

- (1)Nurses: incorrect nursing care and insufficient Diaper Dermatitis -related knowledge among nurses
- (2) Devices: lack of skin barrier products and the use of diapers with poor air ventilation;
- (3) Regulations: lack of Diaper Dermatitis care standards and lack of auditing oversight;
- (4) Patient problems: skin edema, incontinence, and medication use

Step2 :nursing intervention protocol from October 2019 to Mach 2020

- 1) set a high-risk notice to increase awareness;
- (1)developing a new standardized care guideline of diaper dermatitis
- (2) nursing care checklist were developed to evaluate the incidence of diaper dermatitis.
- (3)formulating/drawing up a diaper dermatitis risk score
- (4)providing skin protection agents and warm water
- (5) held two training programs;
- (6) developed nursing standards

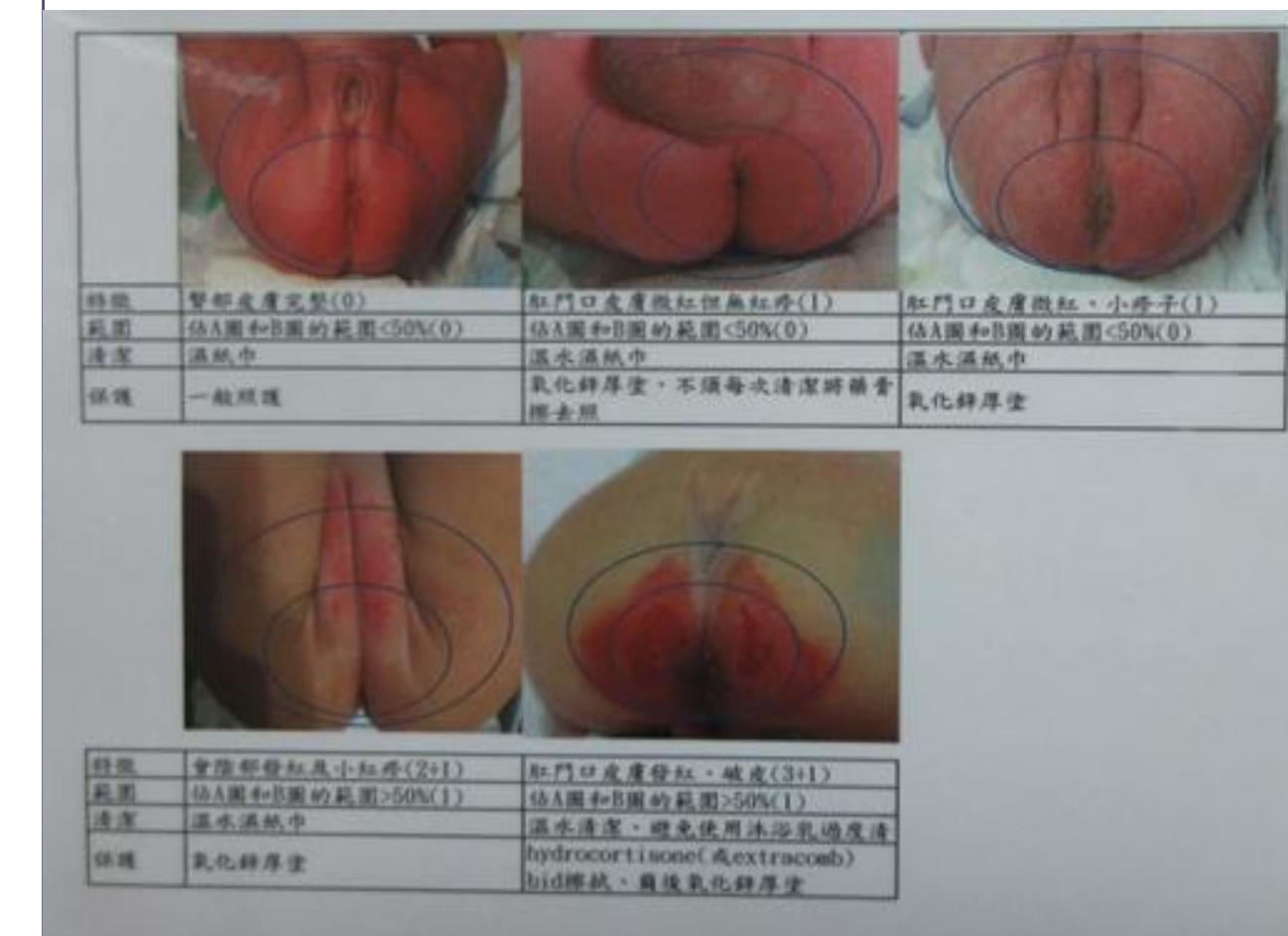
RESULTS

- 1.The correct rate of nursing care for diaper dermatitis had increased from 52.3% to 95.2% after implementation
2. incidence of diaper dermatitis in our intensive care unit reduce the from 31.9% to 15% in 2020.(GRAPHS 3)

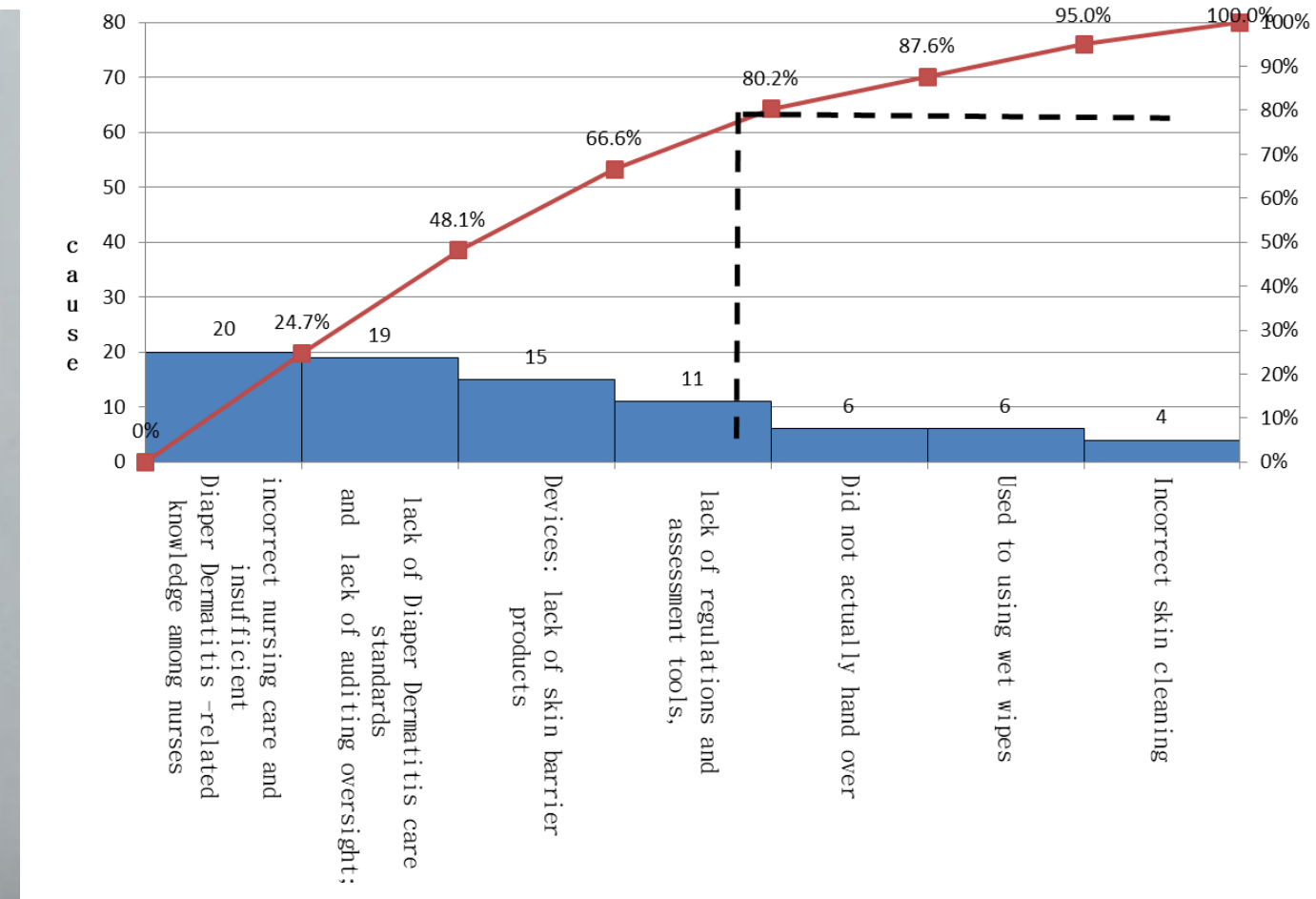
GRAPHS AND TABLES

GRAPHS (1)

Diaper dermatitis diaper dermatitis grading scale

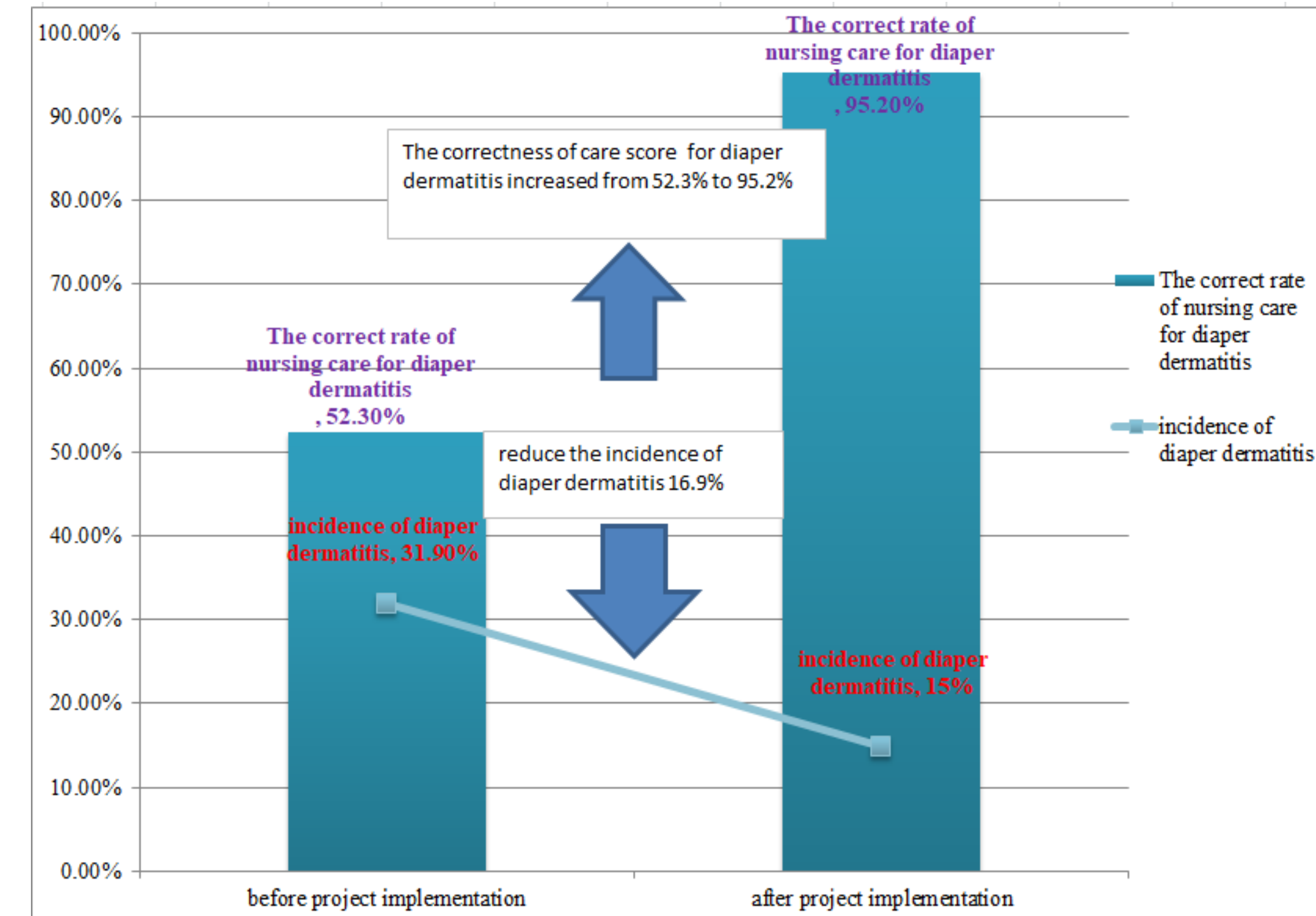


GRAPHS (2) The factors that we identified as associated with Diaper Dermatitis



GRAPHS (3)

Results



DISCUSSION

In the initial stage of the project, the biggest resistance and difficulty that is not easy to promote is the change of personnel habits, and the unfamiliarity of the new process of care standards affects the efficiency of clinical care and indirectly affects the degree of cooperation. Through the group's numerous publicity at medical conferences, a consensus has been reached on the care and treatment of diaper dermatitis., The medical team members can actively cooperate and provide the greatest assistance to the smooth promotion of the project. During the promotion of the project, the skin protectant zinc oxide is a self-funded item to provide unified care.

CONCLUSIONS

By formulating and implementing infant diaper dermatitis care, it is indeed effective to reduce the incidence of infant diaper dermatitis. This unit will continue to monitor and extend it to related units in parallel to jointly improve the occurrence of infant diaper dermatitis , and recommend infant diaper dermatitis The dermatitis care guidelines digital learning courses are planned in the education and training courses of nursing newborns and infants-related units to establish nursing awareness and follow the standards of care, and improve the quality of care.

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