

Madonna Rehabilitation Hospital (MRH) Ostomy Product Matrix: Assisting Nurses and Personnel in Purchasing Department in the Selection and Provision of Ostomy Products

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Purpose

To assist nurses in selecting ostomy products from the MRH Purchasing Department.

Objective

To make ostomy product selection easier and more accurate through a unique "Pair System" of ordering. The "Pair System" refers to the grouping of ostomy pouch and barrier/ wafer, which aids in communication between the nurse and personnel from the Purchasing Department.

Problem

Our 245-bed facility consists of a long-term acute hospital, rehabilitation unit, ventilator-assist unit, extended-care units, Alzheimer's unit and assisted living unit. Patients have a variety of needs for ostomy products, and staff members have variable levels of knowledge and skills in the selection and use of the products. Prior to implementation of the "Pair System", the Purchasing Department personnel asked for product codes and brands when ostomy products were needed. Purchasing would then order the product from a distributor, and when the product arrived, it was sent to the bedside. This resulted in orders for a variety of product brands and delays in product availability. Supplies and complaints accumulated in the Purchasing Department since some patients were discharged even before the supplies arrived.

Solution

An existing Ostomy Product Matrix and Hospital Formulary has been updated. A core group of ostomy products were selected and included in the product formulary.

This product formulary was used to develop a quick reference guide for nurses in the patient care areas (see reverse). The ostomy product matrix is used to help staff choose the type of product most appropriate for a given patient. With information about ostomy type, stoma size, and preference for one-piece or two-piece, the nurse selects one of four "Pairs" on the matrix. This eliminates the need to know brand name or product numbers for the stoma barrier/wafer and pouch.

Policies and procedures regarding acquisition and replenishment of supplies have been updated. Copies of the Ostomy Product Matrix in 5" x 8" laminated cards have been distributed to each unit, and a product inservice has been provided by the ostomy nurse and the manufacturer's representative.

As presented at

WOCN Society 38th Annual Conference

Minneapolis, Minnesota June 24, 28, 2006

	Pair Number	Product	Type of Ostomy	Stoma Size	Flange Size	Stoma Presentation	Output Consistency
	Pair #1 Two-Piece Pouching System	Cut-to-fit Barrier/Wafer Stock No 14603 Stock No 18133	Colostomy or Ileostomy	Up to 1-3/4" Diameter	2-1/4"	Flush or Protruding	Semi-formed or formed stool
	Pair #2 Two-Piece Pouching System	Cut-to-fit Barrier/Wafer Stock No 14604 Stock No 18134	Colostomy or Ileostomy	Up to 2-1/4" Diameter	2-3/4"	Flush or Protruding	Semi-formed or formed stool
	Pair #3 Two-Piece Pouching System	Cut-to-fit Barrier/Wafer Stock No 14603 Stock No 18403	Urostomy	Up to 1-3/4" Diameter	2-1/4"	Flush or Protruding	Urine
	Pair #4 One-Piece Pouching System	One-piece Cut-to-fit Stock No 8531	Colostomy or Ileostomy	Up to 2-1/2" Diameter	n/a	Flush or Protruding	Semi-formed or formed stool

Outcomes

Complaints have been virtually eliminated with the “Pair System” in place. Using the guidelines on the matrix, nursing staff are able to quickly and accurately determine the best product for their patient from a defined list of available options. Staff report an improvement in the accuracy and timeliness of product requests and deliveries. This results in enhanced patient care, the ultimate goal of all of our quality improvement efforts.



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Financial Assistance: The support of Hollister Incorporated is gratefully acknowledged.