The E=MC2 Project: Environment = Maintaining Cleanliness, A Multidisciplinary Approach To Establish a Routine Cleaning Schedule for Medical Equipment

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Poster Presentation at the Association for Professionals in Infection Control and Epidemiology – 2005 Annual Education Conference and International Meeting – Baltimore, Maryland, June 20, 2005

DEPARTMENT RESPONSIBILITIES IN THE E=MC2 PROJECT

Infection Control
Clinical Engineer
General Store
Nursing
EVS – “Trash or Treasure” Project
Operating Room
Central Supply
Hospital Facelift
Environmental Services

Equipment To be Cleaned:

- Hand Hygiene Project
- Equipment Cleaning
- Store room clean-up
- Patient care equipment
- Recycle/remove project
- OR equipment cleaning
- CSS cleaning of carts/tables
- Construction cleanup,
- Air Handling System
- Renovations and upgrade
- Revised Cleaning and Disinfection Procedures

Food & Nutrition

EQUIPMENT TO BE CLEANED:

- Food Service
- Transport Carts/Small rolling Tables
- Trash Barrels
- Trash Carts
- Walk In Refrigerator
- Metro racks
- Misc. Carts
- Clinical Engineering
- Wheelchairs
- IV Poles
- ESD
- Transport Carts
- Stretcher
- Transport Stretcher
- Nursing Units
- Port BP Poles
- OR Tables
- Mayo Stands
- Nurse Worktable
- Stools
- Prep carts
- Steps
- Ring Stands
- Kick Buckets
- Bovie Carts

Results: During a two week period of time, over 1500 pieces of medical equipment were brought to the loading dock for high pressure cleaning or ultrasonic submersion of devices, preventive maintenance and lubrication of devices, minor painting where required, wheels cleaned, and tape and labels removed. Service was done in the evenings and on weekends and no equipment was damaged or lost in the process and a semi-annual cleaning schedule was developed to continue to clean the equipment.

Conclusion: A process to clean medical equipment on a routine basis is an important part of the environment of care program. Infection Control is an important member of the EOC team and should assure that medical equipment gets cleaned. This multidisciplinary approach made the processes more organized and involved staff participation. The most important factor was the support of administration. The project resulted in staff expressing their appreciation after the cleaning was done. Routine cleaning schedules were implemented and a semi-annual process established to have the equipment cleaned by a contracted vendor. The cleaning project cost the institution approximately $20,000.
<table>
<thead>
<tr>
<th>ITEMS/LOCATION</th>
<th>DEPARTMENT RESPONSIBILITY</th>
<th>SCHEDULE</th>
<th>METHOD</th>
</tr>
</thead>
<tbody>
<tr>
<td>Bathrooms</td>
<td>Housekeeping</td>
<td>Daily</td>
<td>Wipe w/germicidal wipe sol</td>
</tr>
<tr>
<td>Bed Cradle</td>
<td>Transport/ Equip Tech</td>
<td>After discharge</td>
<td>Wipe w/germicidal wipe sol</td>
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<td>Bed Extender</td>
<td>Transport/ Equip Tech</td>
<td>After discharge</td>
<td>Wipe w/germicidal wipe sol</td>
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<tr>
<td>Bed IV Pole</td>
<td>Transport/ Equip Tech</td>
<td>After discharge</td>
<td>Wipe w/germicidal wipe sol</td>
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<tr>
<td>Beds</td>
<td>Housekeeping</td>
<td>After discharge</td>
<td>Wipe w/germicidal wipe sol</td>
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<tr>
<td>Bedside Curtains</td>
<td>Housekeeping</td>
<td>Every 6 Months</td>
<td>Laundered thru Contracted Services</td>
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<tr>
<td>Blood pressure Apparatus &amp; Cuff</td>
<td>Housekeeping</td>
<td>Terminal Cleaning of room</td>
<td>Wipe w/germicidal wipe sol or spray Amphyl</td>
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<tr>
<td>Charts &amp; Racks</td>
<td>Nursing/housekeeping</td>
<td>As Needed</td>
<td>Wipe w/germicidal wipe sol</td>
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<tr>
<td>Coke Cart</td>
<td>Housekeeping</td>
<td>Weekly</td>
<td>Wipe w/germicidal wipe sol</td>
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<tr>
<td>Coke Cart - Exterior</td>
<td>Housekeeping</td>
<td>Weekly</td>
<td>Wipe w/germicidal wipe sol</td>
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<tr>
<td>Coke Cart - Interior</td>
<td>Housekeeping</td>
<td>Weekly</td>
<td>Wipe w/germicidal wipe sol</td>
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<td>Commode</td>
<td>Housekeeping</td>
<td>Daily</td>
<td>Wipe w/germicidal wipe sol</td>
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<td>Commode in patient’s room or</td>
<td>Housekeeping</td>
<td>Weekly</td>
<td>Washer Sterilizer</td>
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<tr>
<td>High Toilet Seat</td>
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<tr>
<td>CSS “Dirty” Box</td>
<td>CSS</td>
<td>Weekly</td>
<td>Washer Sterilizer</td>
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<td>Trans collects &amp; distributes</td>
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