



Mattress Inspection and Repair with CleanPatch[®] Saving you money while enhancing patient safety!

CLEANPatch 5°





Damage is Common and is a Proven Risk to Patients





Damage rate in Healthcare Facilities + Emergency Services: 20-50%

Not cleanable Dangerous





Damage is Common and is a Proven Risk to Patients

Home Food Drugs

Medical Devices

Medical Device Safety

Safety Communications

Information About Henarin

Medical Device Safety Archive

Tubing and Luer Misconnections:

Preventing Dangerous Medical

Errors

U.S. Food and Drug Administration Protecting and Promoting Your Health

Date Issued: April 19, 2013

Care and Home Care

Home > Medical Devices > Medical Device Safety > Safety Communications

Medical Devices Radiation-Emitting Products Vaccines, Blood & Biologics

Damaged or Worn Covers for Medical Bed

Mattresses Pose Risk of Contamination and

Patient Infection: FDA Safety Communication

Audience: Nurses, Caregivers, Infection Control Professional Staff, Risk Managers, Materials Managers,

Housekeepers, Biomedical Engineers, Directors of Purchasing, and other health care providers and staff

Medical Areas: Any patient care setting where medical bed mattress covers are used. These include Intensive

Care, Diagnostic Care, Emergent or Urgent Care, Ambulatory Care, Specialty Care, General Care, Long Term

responsible for the purchase, inspection, use, or maintenance of medical bed mattress covers



American Journal of Infection Control



Brief report

Potential bloodborne pathogen exposure from occult mattress damage

Susan L. Bradbury MSPH, RN, CIC $^{\circ}$, Deborah Mack BSN, CIC, Terri Crofts MS BME, Richard T. Ellison III MD

University of Massachusetts Memorial Medical Center, Worcester, MA

Key Word: Fluid A near-miss patient incident involving body fluid seeping from a mattress led to a visual inspection o 656 hospital bed mattresses of which 177 were contaminated because of occult damage to mattres covers.

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Patient Exposures from damaged mattresses happen!

Infection Control Nightmare



Animal & Veterinary Cosmetics Tobacco Products

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No Proven Cost-Effective Solution until now...







CLEANPatch

First-in-class medical surface repair product for hospital beds and stretchers that restores damaged mattresses to an intact and hygienic state.

CE Mark + FDA-registered Class 1 Medical Device





✓ Clinically Validated
 ✓ Safe and Simple
 ✓ Cost-Effective



CleanPatch Success to Date

- Since launching a year ago, 450+ healthcare facilities have adopted a Mattress Inspection and Repair protocol with CleanPatch.

Many studies have shown that healthcare equipment (e.g. mattresses, positioning pillows, stretchers, wheelchairs, high walkers) that are shared between patients/residents/clients with rips and tears have resulted in disposal as they cannot be cleaned nor disinfected properly. We hoped to save some money by using CleanPatch to repair this communal equipment and also provide a safe environment for our patients. Our facility has been using CleanPatch for over twelve months and the feedback from our end users is positive, specifically the product's easy application and durability. We have been using CleanPatch on our stretchers located in the busy Emergency Department and it has been able to withstand multiple cleaning and disinfection"

Manager, Infection Prevention and Control



Clinically Validated

Benefit	Summary
Durable	 CleanPatch adhered for over 12 months in a healthcare setting with no evidence of failure or peeling Multiple EMS Services have successfully used CleanPatch on Ferno stretchers with great results
Equivalent	 CleanPatch did not harbor any more organisms than the surrounding mattress it was placed on before and after cleaning (n=720 swabs)
Cleanable	CleanPatch is stable to repetitive long-term cleaning with Hydrogen Peroxide, Quats, Alcohol, Bleach and other disinfectants
Impervious	No fluids leak through CleanPatch into the foam core

Testing completed by independent research organizations



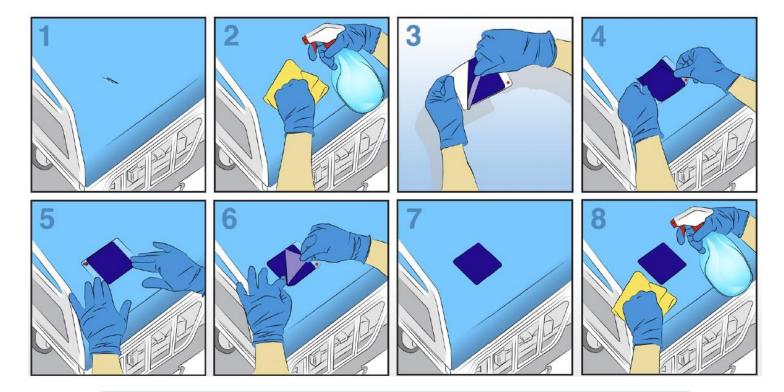






Safe and Simple

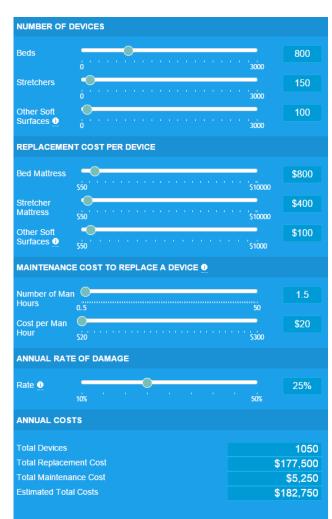
- CleanPatch is biocompatible and latex-free, and safe for employee and patient contact
- CleanPatch is applied easily using a peel-and-stick method in seconds, to improve efficiencies



A video demonstrating the application process can be found here <u>http://www.cleanpatch.ca/pages/simple-application-method</u>



Cost-Effective



You can make 20 repairs for less than the cost of 1 new mattress.

There are very few products that have such an immediate and direct impact on cost savings and patient safety.

Calculate a Service's cost-savings using our CleanCalculator - <u>http://www.cleanpatch.ca/pages/cost-savings</u>

CLEANPATCH COST SAVINGS	
1 year savings	\$141,563
5 year savings	\$707,813



 Nurse-developed protocol that complies with infection control standards for inspection, repair and tracking of mattresses and stretchers

Step 1 – Mattress Inspection	Inspect mattresses during every discharge cleaning, looking for signs of damage and fluid ingress.
Step 2 – Mattress Intervention	Following inspection, staff determines if the mattress can be repaired with CleanPatch or needs to be replaced.
Step 3 – Mattress tracking	Upon repairing with CleanPatch, the repair is initialed with an AP-stamped Sharpie and recorded

Education Tools



IPC + Unit Managers



Front-Line Staff (Users)



Training Video



Step 1 – Mattress Inspection

 Nurse-developed protocol that complies with infection control standards for inspection, repair and tracking of mattresses and stretchers

Step 1 – Mattress Inspection	Inspect mattresses during every discharge cleaning, looking for signs of damage and fluid ingress.
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Paper Towel Test for Fluid Ingress (foam) – NHS adapted*

- Fold paper towel in 4 layers
- Press down over the damaged area
- If paper towel feels wet, conduct secondary inspection
- If paper towel feels dry, safe to repair

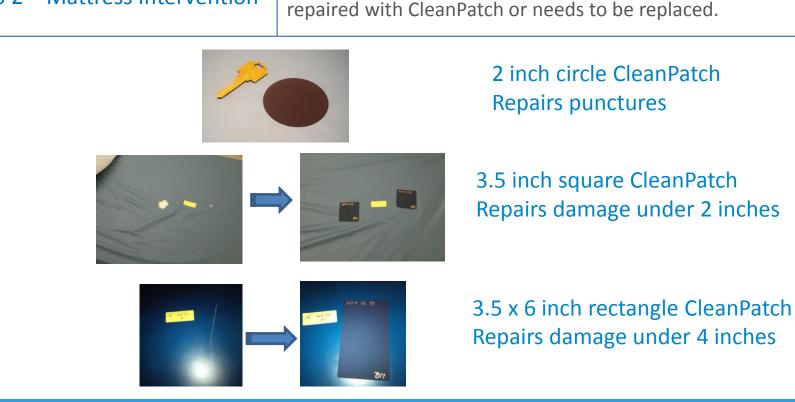
* NHS (2013) Infection Prevention and Control. Leak testing of Mattresses.



Step 2 – Mattress Intervention

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Following inspection, staff determines if the mattress can be



Step 3 – Mattress Tracking

 Nurse-developed protocol that complies with infection control standards for inspection, repair and tracking of mattresses and stretchers







A 4 minute Mattress Inspection and Repair training video can be found here <u>https://www.youtube.com/watch?v=nEZ7K3tWMPc</u>



Thank you for your time!

For more information, contact us



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Additional Slides



Frequently Asked Questions

Question	Answer
Why do I care, I can just use duct tape?	 Duct tape is not approved by the regulatory agencies Duct tape doesn't work and leaves residue attracting bacteria and fluids
What are the risks of leaving damage?	 Patient exposure and cross contamination Failing a health inspector audit
The color doesn't match on the surface, do you have it in a different color?	Invisible to patients since its under linensKeep an eye on it to make sure intact
Can I cut CleanPatch?	 No, damages integrity of product and creates jagged edges Use correct size for size of damage – 3 sizes available
Is there a risk of trapping bacteria or blood in the mattress?	Always perform inspection prior to repairPaper Towel test
Can I use it on <u>surface X</u>	 All testing performed on stretchers, mattresses Has good adhesion to vinyl, but tell them to try it out!