

THERE IS NO CARE WITHOUT HYGIENE (NON C'E CURA SENZA IGIENE)

Caballo Garrido M. Cristina, MSN¹; Giardina Giuseppe, MSN¹; Molteni Carla, MSN¹.

(1) I.R.C.C.S. Ospedale San Raffaele (Milano)

Correspondent author: caballogarrido.mariacristina@hsr.it

INTRODUCTION

The nurse has the task of “helping the patient to remove waste from the body” and to “keep the body clean and protect the skin and mucous membranes”. *Henderson V.*

Rationale.

The purpose of hygiene:

- ✓ Keep the body clean, prevent infection, injury and eliminate unpleasant odors.
- ✓ Observe the conditions of the skin
- ✓ Guarantee the person a state of psycho-physical well-being

The operator's intervention must guarantee:

- ✓ Well heated environment (22-25 °C)
- ✓ Absence of air currents
- ✓ Patient privacy

Patient hygiene at bedside - Risk factors:

- ✓ Ache
- ✓ Immobility or limited use of a limb
- ✓ Impaired neuromuscular functions
- ✓ Sensory deficits
- ✓ Urinary or faecal incontinence
- ✓ Lack of strength or fatigue

Purpose.

This paper aims to share the experience of an innovative technique “the hydro-molecular shower tested in intensive care and general wards of the San Raffaele Hospital” in the approach to hygienic care of patients with increasing complexit

METHOD

A. Identification And Mapping Of Body Areas (Fig.1)

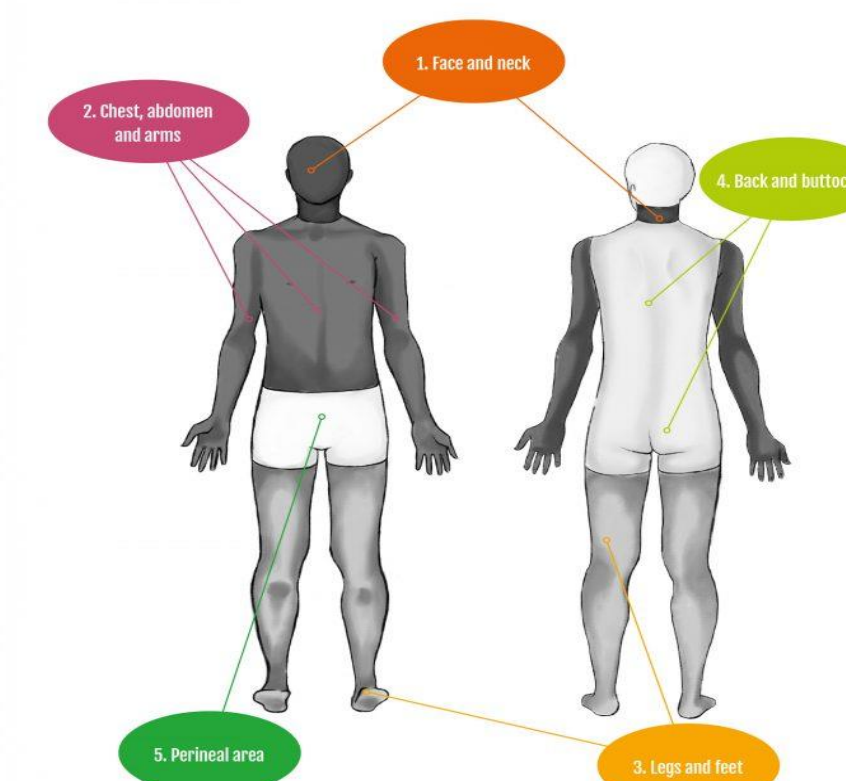


Fig.1. Map body areas – imagine from the site www.linaus-md.com

B. Implementation Hydromolecular shower with device (Fig.2)



Fig.2 Hydromolecular shower device - imagine from the site www.linaus-md.com

- ✓ Give the patient a shower directly in bed
- ✓ Direct the spray of water with precision on the specific area to be cleaned and keep dry and protected those areas of the body with skin damage or medicated wounds.
- ✓ Carry out most of the hygienic care with a single operator
- ✓ Prevent water from soaking the mattress, avoiding sensitive skin or hypothermia to the patient
- ✓ Customation of the thermal comfort. The patient's thermal comfort is customized by bringing the dispensing handpiece closer or further apart. (Fig.3).
- ✓ Delivery method (prolonged and/or intermittent): To spray, press the button on the handpiece. To obtain a prolonged spray it is necessary to press the dispersing button without releasing it. When the dispensing buttoni is released, the device instantly stops dispensing
- ✓ During the shower there will be no dispersion of water leaks soaking the mattress, because the quantity of liquid dispensed is calibrated to “wash” and not to “wet”.
The hygienic care takes place in safety and lasts only a few minutes. The device allows for a perfect shower with just 400/500 ml of water, in lieu of 6000/7000 ml, as usually needed to wash patients with traditional methods.
- ✓ The water spray of SYREN® Move is very pleasant and above all precise. It lets the operator target definite body areas.

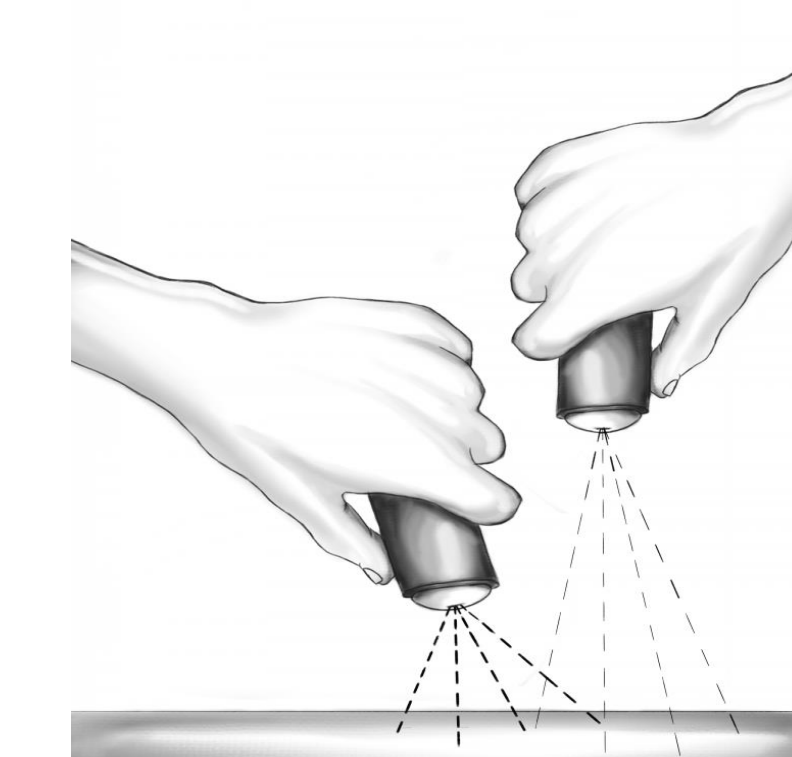


Fig.3. Customation of the thermal comfort - imagine from the site www.linaus-md.com

RESULTS AND CONCLUSIONS

- ✓ The system proved to be easy to transport, use and disinfection.
- ✓ Microbiological safety is respected. No risk of contamination.
- ✓ The device allows to wash the hats in complete safety, avoiding to use of bulky and unwieldy devices.
- ✓ Hygiene in hard-to-reach areas is guaranteed, as the removal of colored antiseptics.
- ✓ Tested on alert patients they reported a pleasant perception with this treatment.
- ✓ Reduction of execution times of the hygiene procedure at bedside.
- ✓ Possibility of using chlorhexidine-based detergents.

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