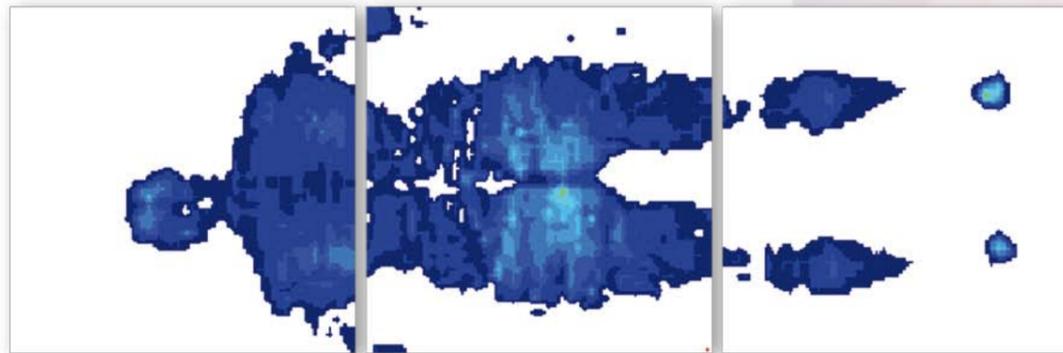
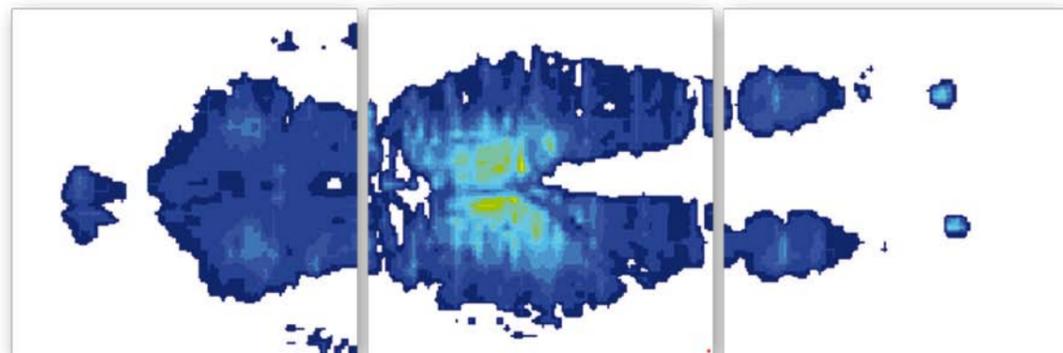


Hill-Rom P330 Wound Surface
 IMAP™ interface pressure mapping

Interface pressure mapping on a 1,68 m 70 Kg woman



Supine position 0° Head of bed elevation



45° Head of bed elevation



**CASE STUDY
 &
 INTERFACE PRESSURE MAPPING**



Hill-Rom P330 Wound Surface
 Self-adjusting mattress replacement using
 alternating low pressure technology



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France	+33 (0)2 97 50 92 12
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Enhancing Outcomes for Patients and Their Caregivers.™



Hill-Rom P330 Wound Surface

Self-adjusting mattress replacement using alternating low pressure technology

AUTORS :

Carolyn Wyndham-White, Rn
Clinician Nurse specialized in wound care
Cristina Etxaniz, Rn
CSI, Geneva - Switzerland

The Coopérative des Soins Infirmiers
CSI (Nursing care cooperative)
is a service provided by 45 independent trained
nurses, 24h a day/7 days a week. Its aim is to
deliver personalized care to patients, with a
particular emphasis on keeping them in their
home settings.

Clinical case study

Mr M, aged 82 years, is at home & referred to our service by his physician. He is suffering from a Parkinson's disease and an Alzheimer's dementia.

During the past 5 months, his physical status declined. He is now either bed ridden or sitting in his armchair.

His physician referred him to us with 2 pressure ulcers, one on the sacrum and the other on the right heel. A preventive and treatment plan was established.

Description of the 2 pressure ulcers

- On clinical assessment, the patient had a Stage 2* pressure ulcer at the sacrum with partial loss of skin thickness: epidermis and derma. The lesions were superficial and consisted of abrasions with a shallow ulcerous lesion.
- The second pressure ulcer was a Stage 3* pressure ulcer on the right heel, with total loss of skin thickness and necrosis of the subcutaneous tissue. This was a deep lesion with a clear demarcation on the inside edge of the heel.

➤ PRESSURE ULCERS: SACRUM & RIGHT HEEL 17TH DECEMBER 2007



* Stages: based on the EPUAP classification (European Pressure Ulcer Advisory Panel: Pressure ulcer classification, 1998)

Treatment protocol

Mr M spends approximately 16 hours a day in bed, where he is repositioned twice during the night in a 30° left and right angle with a cushion supporting his back.

His heels are elevated by a cushion between his legs.

We decided to place Mr M on the newly released "Hill-Rom P330 Wound Surface",

an alternating low pressure therapy surface, using the SAALP™, a new immersion sensing technology, that automatically adjusts both the internal pressure and the cycle time to the individual patient's morphology and position while delivering low alternating pressure to help preserving the patient's skin integrity.

The mattress is reported comfortable, silent & convenient by the patient and his wife.

The remaining 8 hours, he is sitting on an armchair with a Reflex™ air seat cushion.

His wife is conscious of the need for a particularly balanced diet: he is given 3 meals a day including proteins, vitamins and the required amount of calories. He has a good appetite and drinks a good quantity of fluid.

The sacral pressure ulcer was initially treated every day with Hyaluronic Acid + Sulfadiazine gauze, and

Conclusion

The entire medical team and the patient's wife were very satisfied with this mattress, its operation (easy to operate, quiet and practical) and with the positive result that was rapidly obtained. We were able to observe constant progression in the healing of the lesions and an improvement of the patient's comfort: he appeared more relaxed (with less positional tension).

The efficiency of the mattress has contributed to the wound's quick recovery as well as preserving the

every other day on the heel with calcium alginates for the detersion phase. Subsequently, the treatments were replaced every other day using a Hyaluronic Acid protocol for both wounds.

Progress of the patient at home

Efficient cooperation was established with the patient's wife, who played a paramount part in the success of the patient's outcome.

The situation improved rapidly, thanks to the team-operated nursing care and the use of the mattress and cushion which fulfilled their role.

- The sacrum healed completely in 8 weeks,
- The heel had almost completely healed by this time.

➤ PRESSURE ULCERS: SACRUM & RIGHT HEEL 8TH FEBRUARY 2008



Results after 2 months' Hill-Rom P330 Wound Surface use

patient's comfort. It also prevented any further lesions from appearing on this high-risk patient, rated at 11 on the Norton scale.

This low pressure alternating mode, which is silent and easy to implement, is well-suited to home context, where varied and sometimes unqualified personnel, as well as family members, appreciate such simple and practical equipment.

C. Wyndham-White, 20th April 2008