**CeraPlus**

**™**

 **Skin Barrier with Remois Technology**

**\***

**More Effective at Protecting Skin from the**

**Damage of Adhesive Removal**

**2**

**,**

**3**

**Peristomal Skin: Two Comparative Studies**

**The Impact of Skin Barriers on**

**Why These Studies?**

**We learned from clinicians that skin injuries related to**

**medical adhesives are prevalent but underreported.**

**4**

**We think your patients deserve better, and we wanted**

**to learn more about it.**

**What is TEWL and Why is it Important to Peristomal Skin?**

The loss of water through the stratum corneum is called transepidermal water loss (TEWL). Higher rates of TEWL are associated with damaged skin, and ostomy barrier removal can have an impact.1,2

Study #1: Ceramide vs. Manuka Honey and Aloe

**Objectives:**

Measure skin integrity after ostomy barriers are removed

**2**  Compare differences in skin integrity with the use of infused skin barriers:

**1**

* **Hollister CeraPlus skin barrier** infused with ceramide
* **Welland Aurum 2** infused with honey
* **Salts Harmony Duo** with Flexifit and Aloe

# CeraPlus Skin Barrier with Ceramide Significantly Less Disruptive than Welland Aurum 2 with Manuka Honey2

**25%**

**(16.5)**

**CeraPlus**

**(42.6)**

**Aurum 2**

0

10

20

30

40

50

**Baseline = 5.2**

**Reported Moisture Loss (on Day 5)**

**2**

**Mean TEWL rate | g/m**

**2**

**/hr**

**61**

**%**

**lower**

**TEWL-rate**

**Baseline = 5.5**

**of Welland Aurum 2**

**patients discontinued due to skin problems.\* There**

**were no discontinuations in the CeraPlus group.2**

16.5 vs 42.6 g/m2/hour, p<.001 \*Of 12 patients using Welland Aurum 2 barrier and **Results based on cyberDERM RG-1**

Baseline values not statistically different; p=0.214 12 patients using CeraPlus skin barrier **computerized evaporimeter**

**CeraPlus Skin Barrier Better than Harmony Duo with Flexifit and**

# Aloe at Minimizing Moisture Loss2

**(19.2)**

**CeraPlus**

0

10

20

30

40

50

**Baseline = 5.8**

**Reported Moisture Loss (on Day 5)**

**2**

**Mean TEW**

**L rate | g/m**

**2**

**/hr**

**50**

**%**

**lower**

**TEWL-rate**

**Baseline = 5.6**

**(38.6)**

**Harmony Duo**

19.2 vs 38.6 g/m2/hour, p<.001 **Results based on cyberDERM RG-1**

Baseline values not statistically different; p=0.296 **computerized evaporimeter**

# of 12

**patients using the aloe**

**barrier were discontinued due to skin problems.**

**No ceramide barrier patients were discontinued.2**

Study #2: CeraPlus Skin Barrier vs. SenSura Mio

**CeraPlus Skin Barrier Better than Sensura Mio at**

**Minimizing Moisture Loss and Irritation**

**3**

CeraPlus Skin Barrier

**Patient A**

**Patient B**

SenSura Mio

**Patient A**

**Patient B**

**Objectives:**

**1**

Measure skin integrity after ostomy barriers are removed

**2**

Compare differences in skin integrity between the

**Hollister CeraPlus skin barrier**

and the

**Coloplast SenSura Mio barrier**

.

\*Measured at most visually traumatized site;

28.5

 vs. 16.8, p

=0.003

Baseline values not statistically different; p=0.296

**Results based on cyberDERM RG-1 computerized evaporimeter**

**(16.8)**

**CeraPlus**

20

50

40

30

10

0

**Reported Moisture Loss**

**\*,3**

**Mean TEWL rate**

 **|**

**g/m**

**2**

**/hr**

**%**

**41**

**lower**

**TEWL-rate**

**Baseline = 6.5**

**Baseline = 6.9**

**(28.5)**

**SenSura Mio**

# The Results are Clear: CeraPlus Skin Barrier Helps Ensure Healthy Skin2,3

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
|  | **CeraPlus Skin Barrier** | **Welland Aurum 2** | **Salts** **Harmony Duo** | **SenSura Mio** |
| Observed to be better at helping maintain intact skin2,3 | ✔ | ✘ | ✘ | ✘ |
| Observed to be better at managing TEWL2,3 | ✔ | ✘ | ✘ | ✘ |
| Observed to be better at protecting skin against damage from repeated barrier removal2,3 | ✔ | ✘ | ✘ | ✘ |



\*Remois is a technology of Alcare Co., Ltd.

**References:**

1. Nybaek H, Lophagen S, Karlsmark T, Bang Knudsen D, Jemec GBE. Stratum corneum integrity as a predictor for peristomal skin problems in ostomates. Br J Dermatol. 2010;162:357-361.
2. Nichols T, Houser T, Grove G. Comparing the skin stripping effects of three ostomy skin barriers infused with ceramide, honey or aloe Journal of Stomal Therapy Australia 2019; 39(2):14-18
3. Grove G, Houser T, Sibbald G, Salvadalena G. Measuring epidermal effects of ostomy skin barriers. Skin Res Technol. 2019;25:179186. https://doi.org/10.1111/srt.12630

Ostomy Care

*Healthy skin. Positive outcomes.*

1. Leblanc K, Whiteley I, McNichol L, Salvadalena G, Gray M. Peristomal Medical Adhesive-Related Skin Injury : Results of an International Consensus Meeting, J Wound Ostomy Continence Nurs 2019; 46 (2):125–136.

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