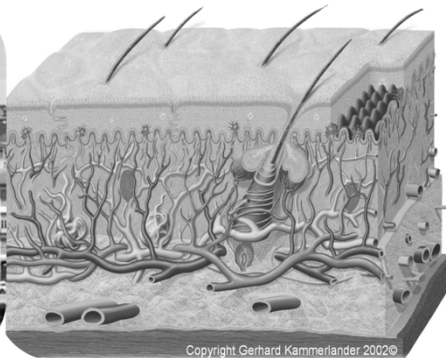




Essentials of medical skin care with clinical examples



Porto



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Gerhard Kammerlander, MBA

MBA/ akad.BO/ CWM® - Certified WoundManager

President CWM® - CertifiedWoundManager®

CEO - Academy-CWM® Zürich - CH

CEO - WCC® - WoundCompetenceCenter - Linz - A

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Clinical skin care

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i **Erweiterung Podologischer Kenntnisse für Wundmanager**
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Essentials of medical skin care with clinical examples

Authors:

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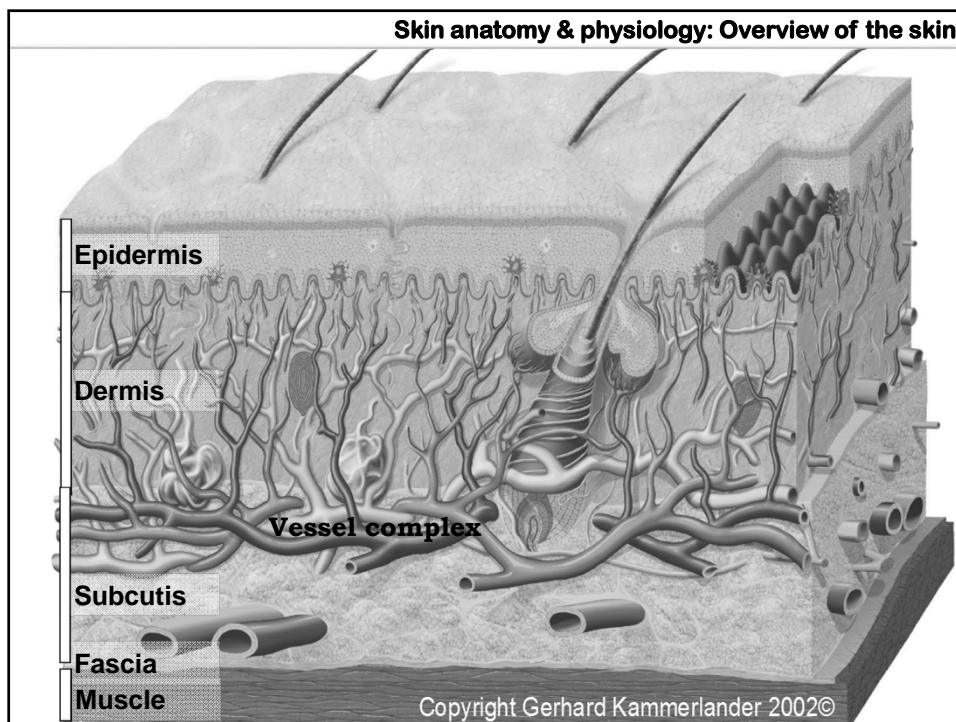
Eberlein Thomas, MD

Anneke Andriessen, Prof. NS

Local translator and instructor (Portugal, Madeira):

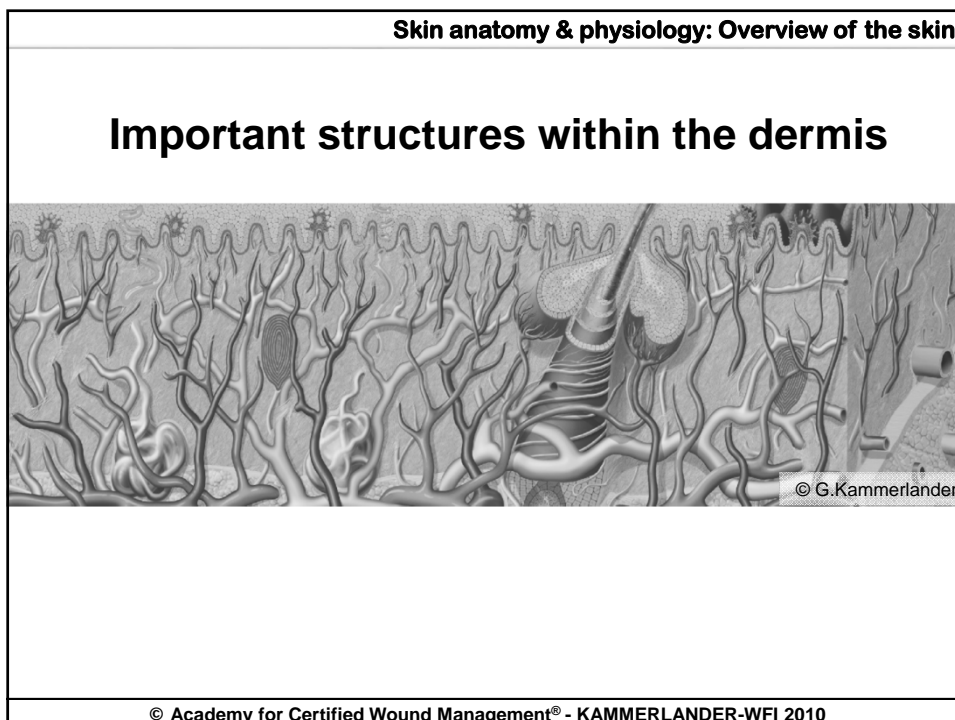
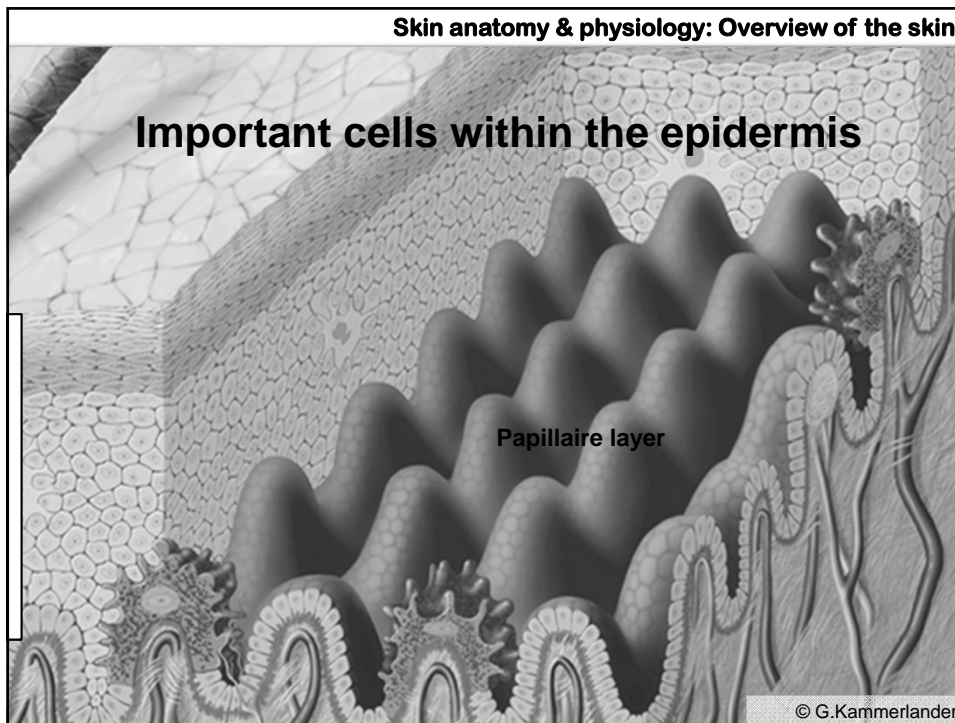
Manuel Azevedo, NS

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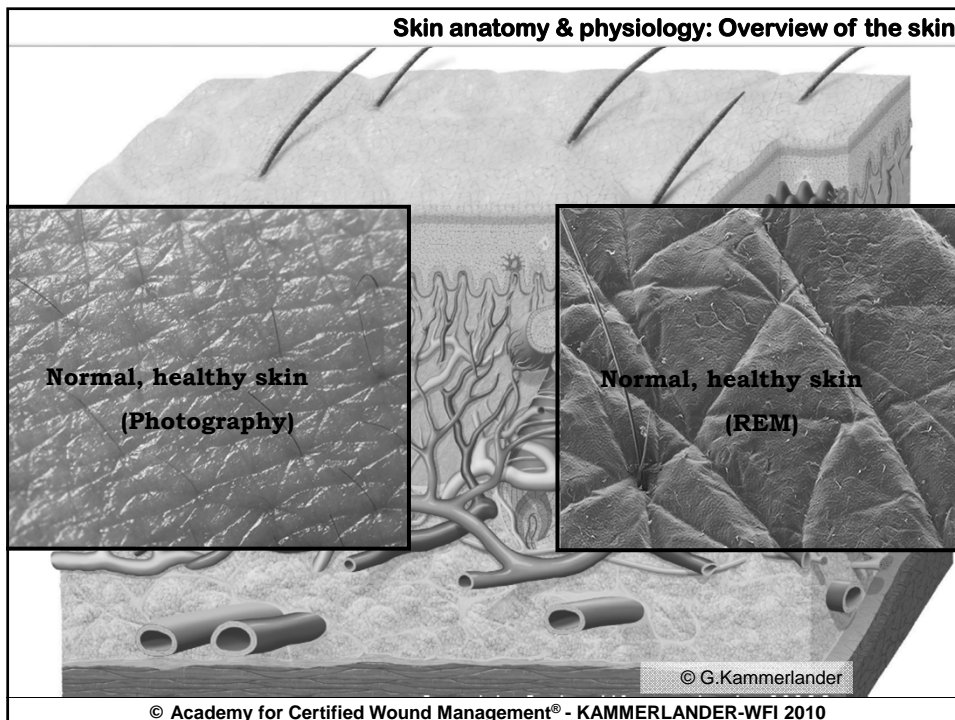
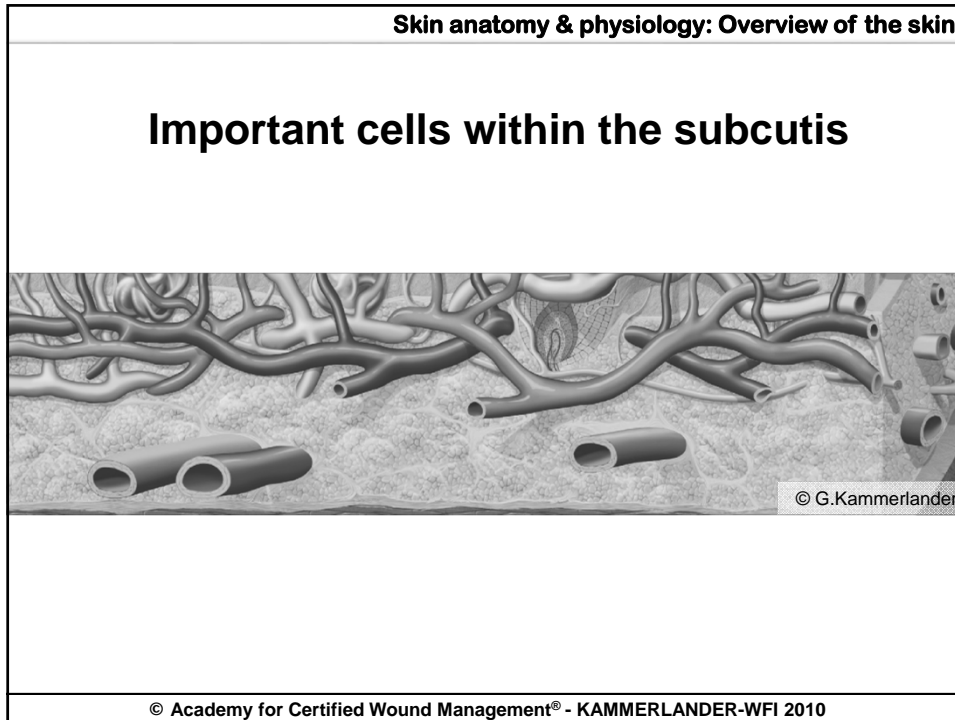
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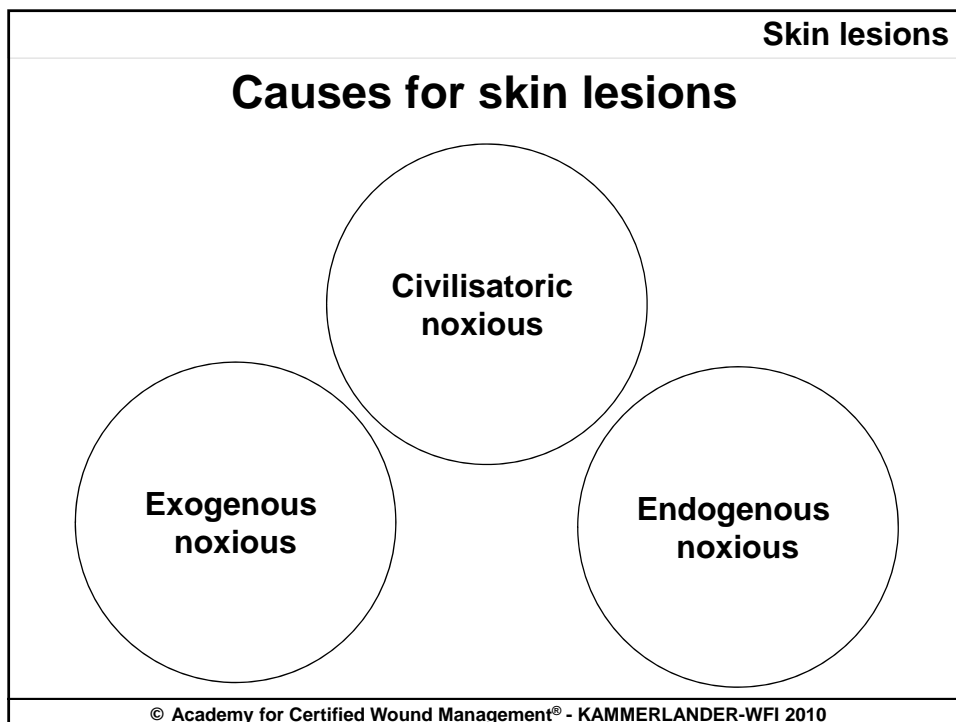
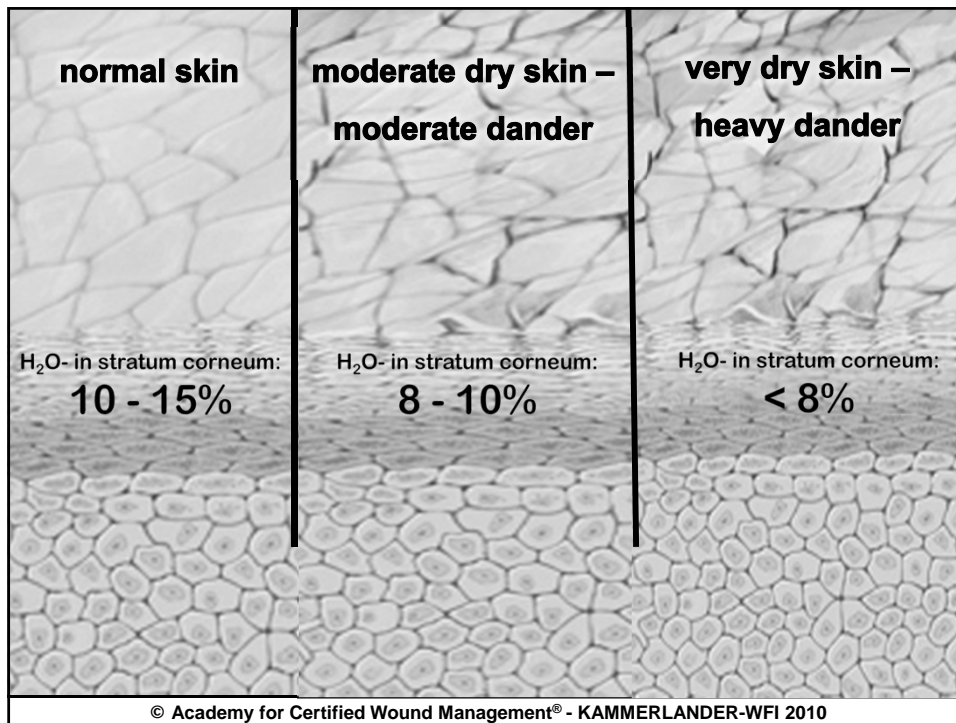
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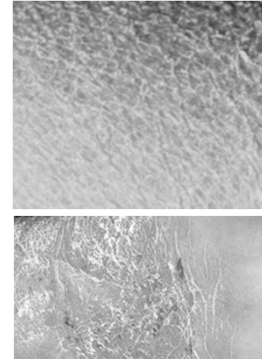
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dry / very dry skin

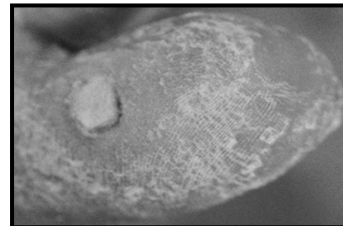
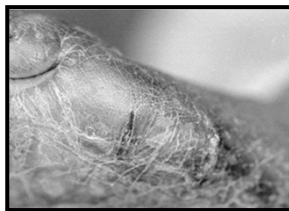
- Squamos
- Itching
- Dryness of the skin and tension
- Lesions of the skin
- High sensitivity

- Higher sensibility for external noxis:
 - Less resistanz for soaps and syndets
 - Inflammation → Irritation
 - Ekzema → Allergy

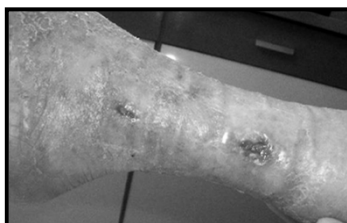


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Very dry skin bei DFS (diabetic foot syndrome)



Dry skin by venous leg ulcers



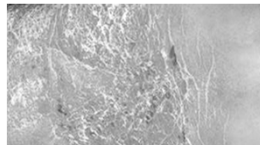
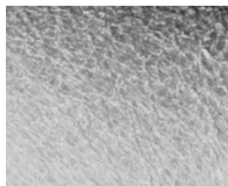
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SKIN CARE AND WOUND HEALING

It is a basic principle in the management people with dry skin and with problem wounds, i.e. during each dressing change or nursing process, to specifically cream and attend the skin and the peri wound skin (individual and situated).

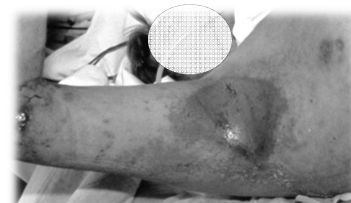


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SKIN PROTECTION

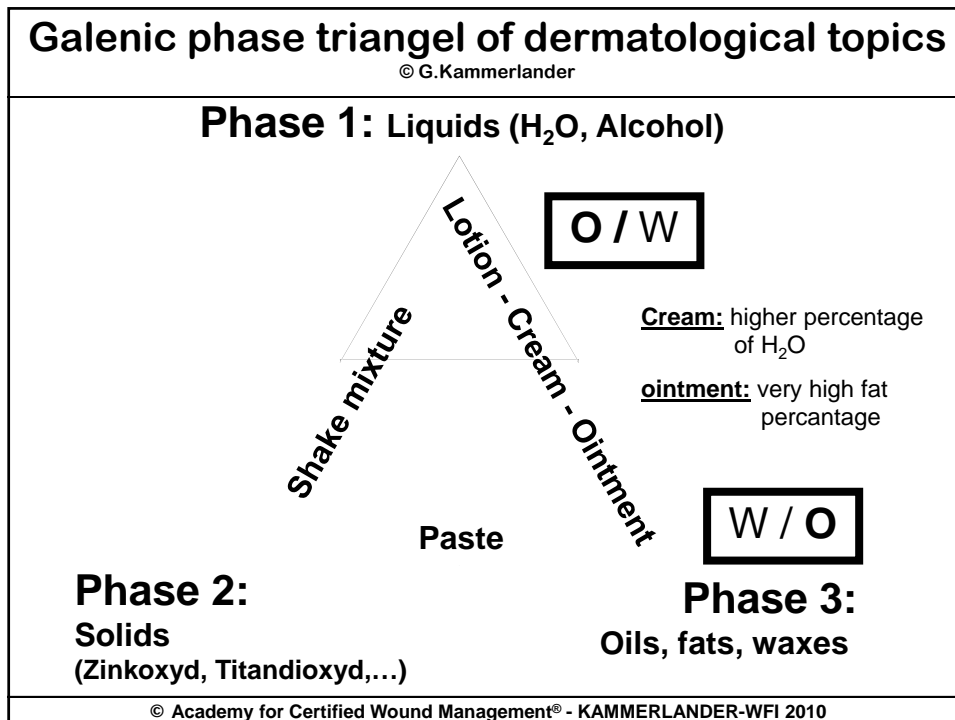
For skin care **W/O products** (water in oil) products are **advised for dry, itchy skin**. They should not contain color, well tolerated preservatives (or without), **hypo-allergen** ingredients and possibly little perfume (or without -> people with multiple allergies).



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- Hautschutz & Hautpflege
- ### Examples of high quality ingredients for skin care products
- Aloe vera
 - Ceramide
 - Glycerin
 - **Panthenol (Vitamin B Derivat)** Synonyme: Panthenolo, Pantenol, Panthenolum, Pantothenol, Pantothenolum, Pantothenylalkohol, Dexpanthenol, 2,4-Dihydroxy-N-(3-hydroxypropyl)3,3-dimethylbutyramide DL-Panthenol =)
 - Urea, Carbamid
 - Vitamin A, C, E
 - ...
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Clinical skin care

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Examples of high quality ingredients for skin care products

1 *Prodotto clinicamente testato!*
Sinta a sua pele a sorrir!

PODEÁ ENCONTRAR OS Nossos PRODUTOS EM FARMÁCIAS E ÁREAS DE SAÚDE E BEM-ESTAR.

INFORMAÇÕES SOBRE OS PRODUTOS 1
Cuidado e protecção da pele

PROPRIEDADES MAIS RELEVANTES DE ALGUNS INGREDIENTES – SEGUNDO A LISTA AZUL

AloeVera	Factor natural de conservação da humidade da pele, acalma e relaxa a pele	Ureia	Agente humectante, suavizante, em caso de irritações da pele, descaumante
Cera de abelha	Estabilizador, repositor de gordura	Vitamina A	Estimula a regeneração da pele
Bisabolol	Extracto de camomila, acalma a pele, suavizante	Vitamina C	Captador de radicais – particularmente eficaz em combinação com a vitamina E. Auxilia a regeneração da pele
Ceramida	Ingrediente de elevada qualidade. Idêntico à gordura da pele, aumenta a humidade e acalma a pele	Vitamina E	Captador de radicais – particularmente eficaz em combinação com a vitamina C. Auxilia a regeneração da pele
Glicerina	Agente humectante, semelhante à ureia	Vaselina branca	Estabilizador, base muito bem tolerada para pomadas, muito bom repositor de gordura
Óleo de amêndoas doces	Óleo muito bem tolerado para a reposição da gordura da pele / cuidado da pele	Zinco	Tonificante, adstringente, refrescante, alivia irritações, protege dos raios UV (dependendo da concentração)
Pantenol	Estimula a regeneração da pele, acalma a pele mais exigente		
Rutina	Tonificante do tecido e da pele		

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Blue-List

<http://www.digento.de/titel/103207.html>
<http://www.deutschesfachbuch.de/info/detail.php?isbn=3871932396>


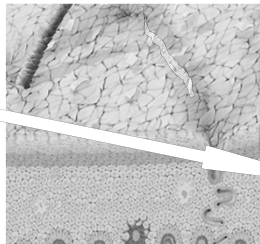
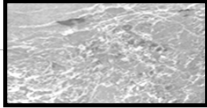
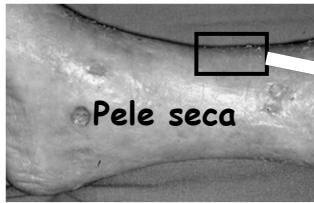
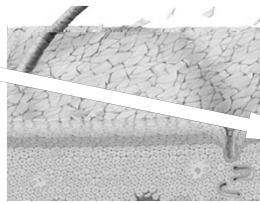
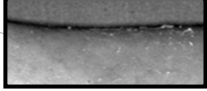

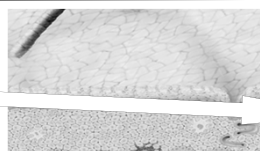
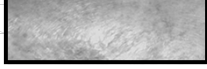
...about **8000** cosmetic ingredients – INCI- EU
 ...more than **150.000** keywords
 ...880 pages mit CD-Rom, price: about 168,00 EUR

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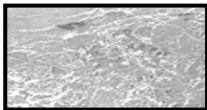
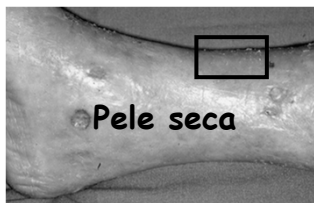
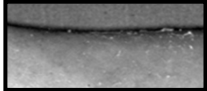


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Kaskade for skin care on dry skin

 <p>Pele muito seca</p>		<p>Descamação intensiva com hiperqueratoses e rágades</p> 
 <p>Pele seca</p>		<p>Descamação visível sem hiperqueratoses</p> 
 <p>Pele levemente seca</p>		<p>Descamação ligeira, pele "esticada"</p> 

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Kaskade for skin care on dry skin

 <p>Pele muito seca</p>	<p>Pomada ou creme nutritivo (gordo)</p>	<p>Descamação intensiva com hiperqueratoses e rágades</p> 
 <p>Pele seca</p>	<p>Creme ou lipoloção</p>	<p>Descamação visível sem hiperqueratoses</p> 
 <p>Pele levemente seca</p>	<p>Hidroloção, Loção básica, Loção corporal</p>	<p>Descamação ligeira, pele "esticada"</p> 

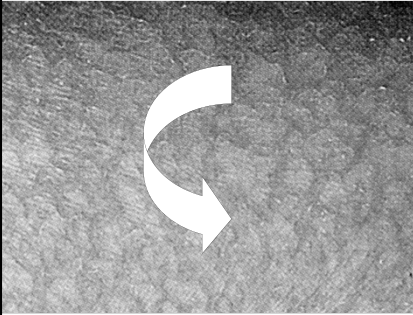
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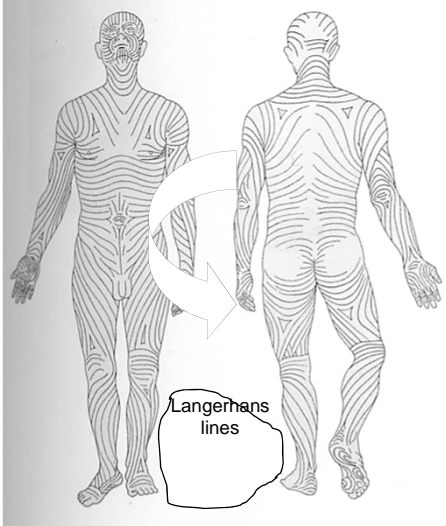
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Skin care and protection: especially aspects

Technique for application of skin care products



circular application



Langerhans lines

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Examples: skin care- very fat

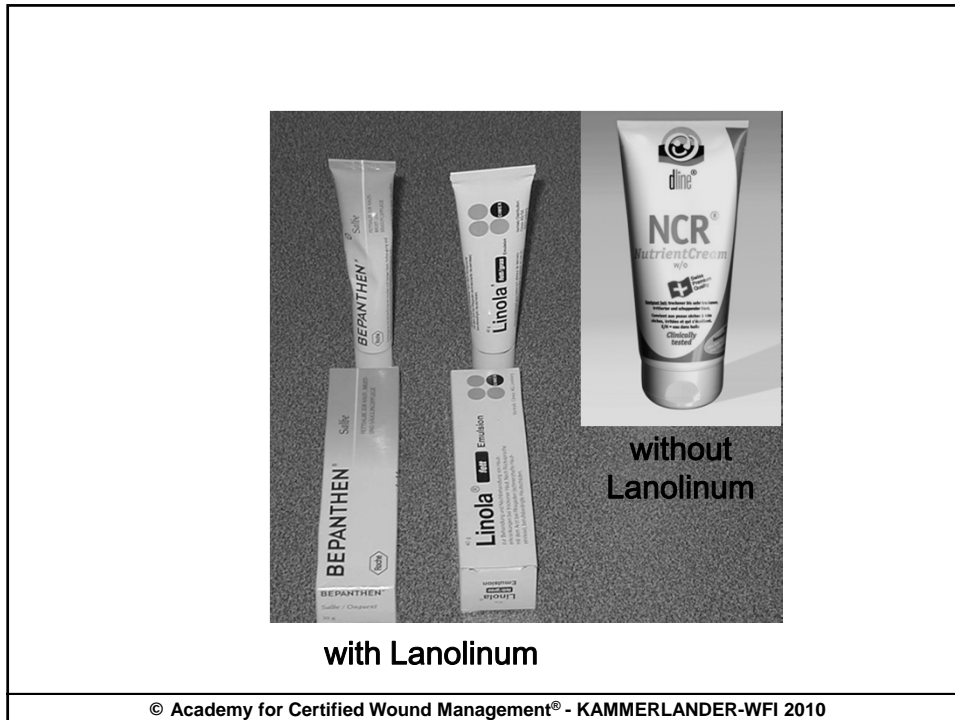
Bepanthen Salbe	sehr fett	plus Panthenol
dline_NCR-NutrientCream	sehr fett	plus hochwertige Zusätze **
Eucerin Dry Skin Salbe	sehr fett	plus Harnstoff *
Excipial Fettcreme	sehr fett	plus Vitamin E
Lanolin S. *	sehr fett (häufig allerg. auf chron. kranker Haut)	
Mandelölsalbe gelb	sehr fett	
Neribas Salbe	sehr fett	
Pantothen Nycomed Salbe	sehr fett	plus Panthenol
pH - 5 Eucerin-Salbe	sehr fett	plus Harnstoff *
Remederm Creme	sehr fett	plus Urea & Vitam.E
Temetex-Basis/- Ultrabas S.	sehr fett	
Vaselineum album S.	sehr fett (etwas weniger als gelbe Vaseline)	
Vaselineum flavum S.	sehr fett	

**** High quality INCI:** Aloe vera, Ceramid, Glycerin, Panthenol, Urea, Vitamine

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Examples: skin care- fat

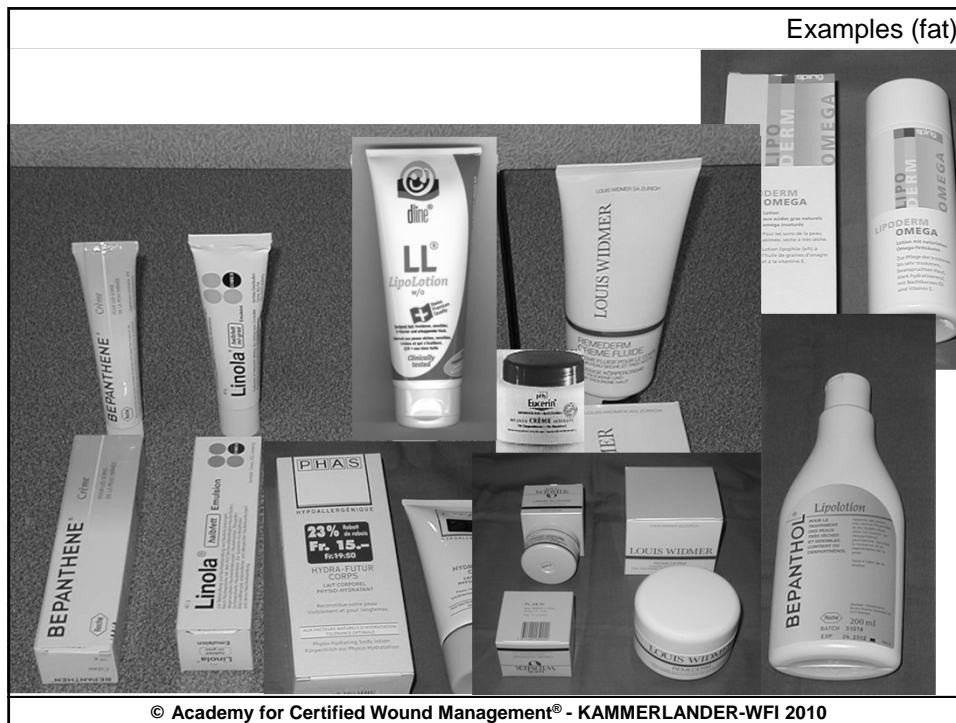
Basiscreme Glaxo	fett	
Bepanthen Creme	fett	plus Pantothen
Decoderm Basiscreme	fett	
dline_CC-CoolingCream	fett	plus Vitamin A + E
dline_LL-LipoLotion	fett	plus hochwertige Zusatzstoffe **
Silonda Lipid	fett	
Lasepton Lipid	fett	
Essex Salbe	fett	
Excipial Creme	fett	plus Vitamin E
Excipial Lipo-U-Lotio	fett	plus Urea
Eucerin Creme	fett	plus Urea *
Unguentum refrigerans = Coldcream = Kühlсалbe	fett	

** High quality INCI: Aloe vera, Ceramid, Glycerin, Panthenol, Urea, Vitamine

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Examples: skin care- moderate fat

Dermocetyl Cr.	leicht rückfettend	
dline_BL-BasicLotion	leicht rückfettend	plus Urea
dline_HL-HydroLotion	leicht rückfettend	plus hochwertige Zusatzstoffe **
Eucerin Intensiv Lotion	leicht rückfettend	Dexpanthenol, Vitamin E
Excipial - U - Lotio	leicht rückfettend	plus Urea
Glaxo Basislotio	leicht rückfettend	
Menalind Professional	leicht rückfettend	Vit. E
Neribas Creme	leicht rückfettend	
Temetex Exciapiens Cr.	leicht rückfettend	
Unguentum Cordes Cr.	leicht rückfettend	
Unguentum hydrophillicum Cr./ Ultrasic Cr.	leicht rückfettend	
Unguentum mollis Cr.	leicht rückfettend	

** High quality INCI: Aloe vera, Ceramid, Glycerin, Panthenol, Urea, Vitamine

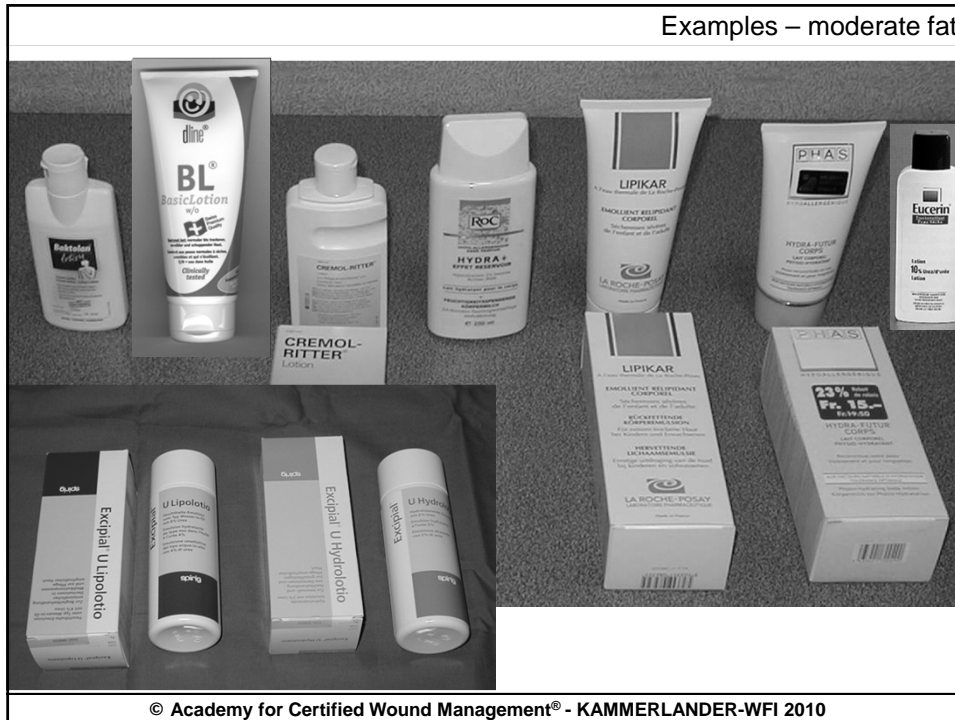
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Clinical skin care



EXEMPLOS DE APLICAÇÃO
(TRATAMENTO MÉDICO DA PELE/PROTEÇÃO MÉDICA DA PELE)

Medidas curativas e de proteção da pele

Para peles atrofiadas, pruriginosas, sensíveis, escamosas e secas. Também para peles maceradas e irritadas.

dline® - TRATAMENTO DA PELE: EXEMPLOS DE APLICAÇÃO

Estabilização da pele alcançada.

Estabilização da pele alcançada.

Estabilização da pele alcançada.

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EXEMPLOS DE APLICAÇÃO

(TRATAMENTO MÉDICO DA PELE/PROTEÇÃO MÉDICA DA PELE)

Paciente do sexo feminino, de 74 anos de idade, **insuficiência venosa crônica - TVC III**. A ferida tem mais de um mês de existência, com quimioterapia em simultâneo. A cada mudança de penso, fase húmida/seca com solução de polihexanida.

Tratamento da ferida: com material de preenchimento da ferida anti-estagnante e penso de espuma de adesão suave como cobertura da ferida, para além de ligeira compressão almofadada. Tratamento da pele em toda a perna com **CC⁺-CremeRefrescante** a cada mudança de penso. **Proteção** da zona circundante da ferida com **ZCR⁺-CremeComZinco**, para além de hidrofibra até ao 104^o dia. Depois disso, **CC⁺-CremeRefrescante** combinado com um penso de espuma não aderente como penso protector. As imagens mostram um processo de 147 dias com 41 mudanças de penso.

Estabilização da pele alcançada.

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EXEMPLOS DE APLICAÇÃO

(TRATAMENTO MÉDICO DA PELE/PROTEÇÃO MÉDICA DA PELE)

Paciente diabético em estado pós-ressecção do metatarso I e problemas de cicatrização da ferida, ao mesmo tempo com secura extrema da pele, num paciente do sexo masculino, de 81 anos de idade.

Tratamento da ferida: com colagénio (Suprasorb C) e um penso esterilizado convencional; 1 mudança diária ao longo de 4 semanas. Tratamento, em simultâneo, da pele com **NCR⁺-CremeNutritivo**, 1x/dia e uma ligadura de algodão.

Estabilização da pele alcançada.

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EXEMPLOS DE APLICAÇÃO

(TRATAMENTO MÉDICO DA PELE/PROTEÇÃO MÉDICA DA PELE)

Exzema ragadiforme hiperqueratótico crônico dos pés após 6 anos de tratamento maioritariamente tópico (local) com esteróides, num paciente do sexo masculino, de 34 anos de idade.

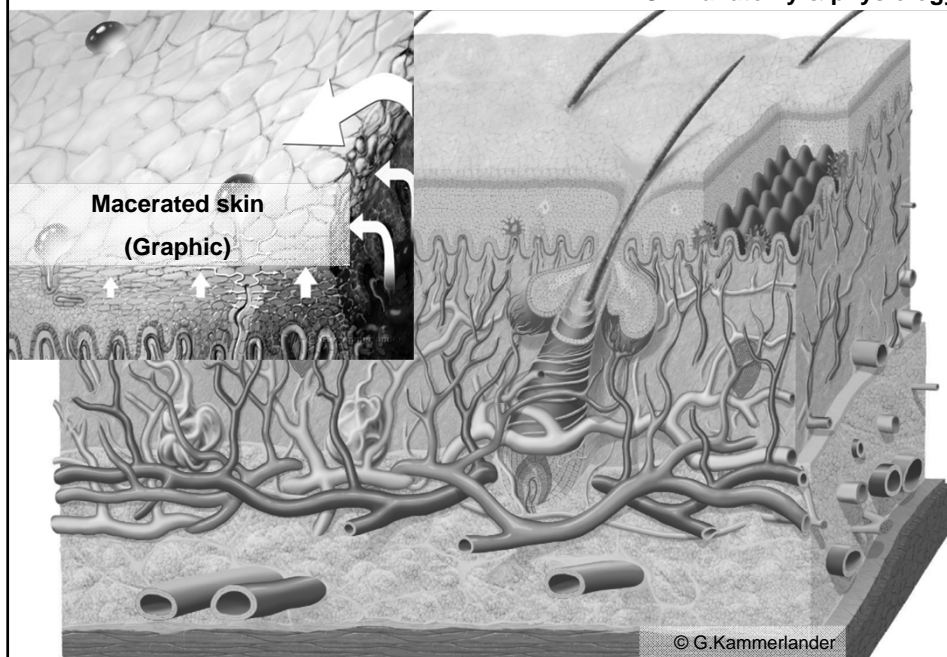
Esquema terapêutico: aplicar tanino (Tannosynt) 2x/dia, durante 15 minutos, lavar os pés e, em seguida, aplica ZCR (CremaComZinco + NCR - Creme Nutritivo) e uma ligadura de algodão (por exemplo, tg-Lohmann). Tratamento durante 3 meses.



Estabilização da pele alcançada.

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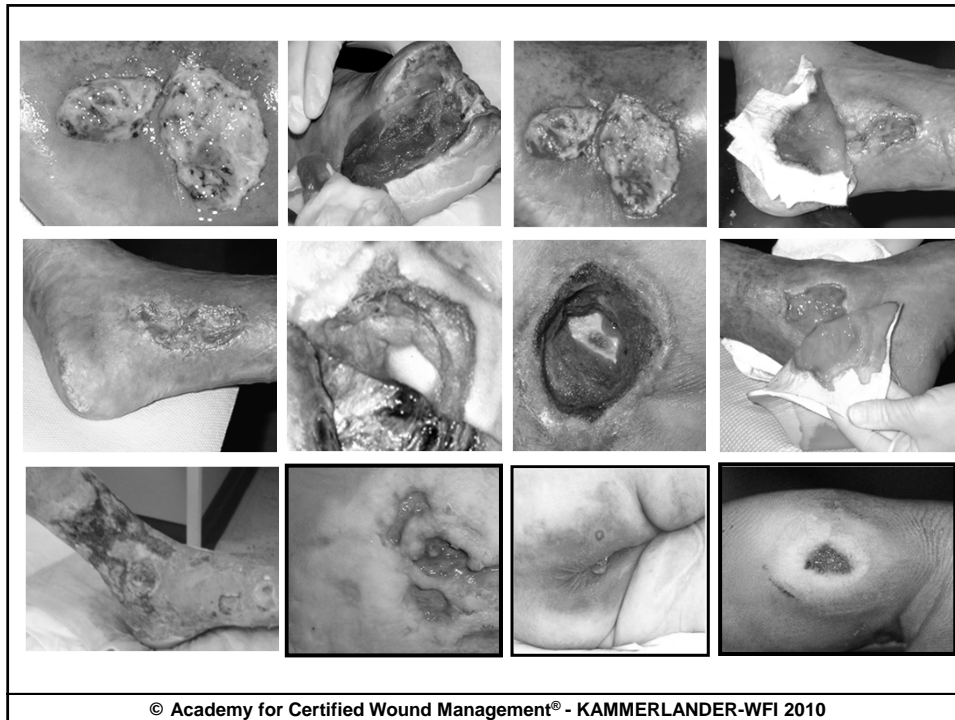
Skin anatomy & physiology



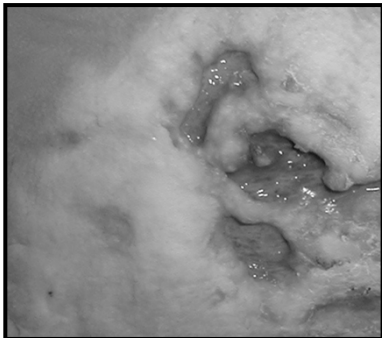

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Skin mazeration **High risk: →→**

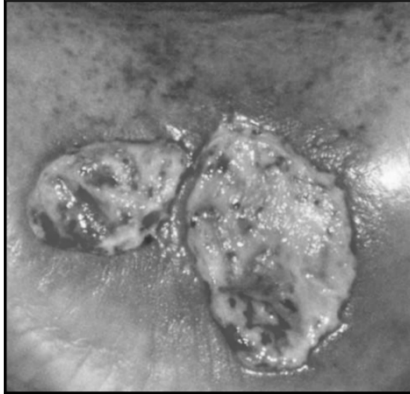
Braun-Falco O et al: Dermatologie und Venerologie. Springer Verlag, 4. Auflage, 2002; 407
Keith F, White R.J. Maceration of the skin and wound bed : its nature and causes. J Wound Care (2002) 11, 7, 275-278
Cameron J: Exudate and care of the peri-wound skin. Nursing standard, October 2004, 27, Vol 19, No 7; 62 - 68

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Erythema/Irritation & wound: high risk



Quelle: A. Körber, J. Dissemond, Die Wundumgebung – Diagnostik und Therapie pathologischer Veränderungen; HARTMANN WundForum 1/2007



[1] Pschyrembel, 259. Auflage
[2] Keith F, Cutting MN: Maceration of the skin and wound bed: its nature and causes. J Wound Care Vol.11. No 7, July 2002

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Steps in Skin Care on the surrounding wound area

What is important before you use a skin care or skin protection systems?

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1. Check and assess the dressing material, the wound and the wound area around

- colour (dressing, wound,...)
- odour
- reaction of the wound filler
- reaction of the wound cover
- classify the wound
- assess the wound area around



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2. Wound and Wound Area around - cleansing / preparing - Wet to Dry Phase

Published in:

Wet to Dry Phase, G.Kammerlander, A. Andriessen et.al, JWC 09.2005

„Die Schwester der Pfleger“, Bibliomed 01.2006; ZfW, mhp Verlag 01.2006

APTF, 2009

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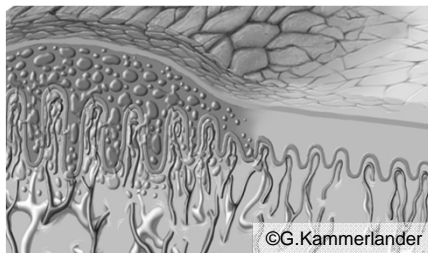
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WET TO DRY PHASE

(G.Kammerlander et al. ZfW, Bibliomed, Procare, Heilberufe 2003
G.Kammerlander, A. Andriessen et.al, Wet to Dry phase; JWC:09.2005, APTF 2009)

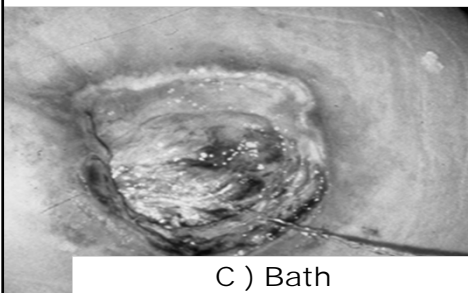
- The wet to dry phase may be applied during dressing changes for reduction of bacterial burden and removal of debris and exudate.
- In cases of skin irritation the method may be soothing and cooling, calming down the inflammation.



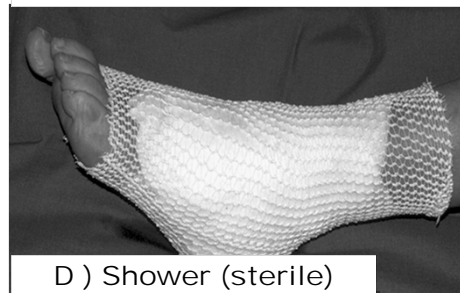
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Individual Wet Phase - Cleansing

A) Rinse



B) Wet cuff



C) Bath



D) Shower (sterile)




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„Wet to dry phase“

© G. Kammerlander et al. 1989/2006/2009



A Remove - cleansing



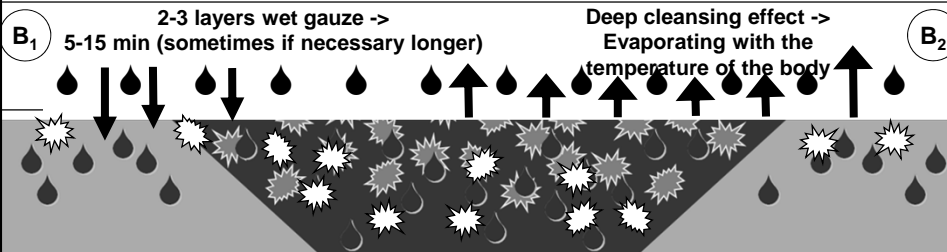
B Apply wet cuff

Perhaps 1-2 layers with dry gauze B₃

B₁ 2-3 layers wet gauze ->
5-15 min (sometimes if necessary longer)

Deep cleansing effect ->
Evaporating with the
temperature of the body

B₂



3. Choose the dressing material and apply the new system

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Interdisciplinary plan

3. Choose the right material

Problem	Aim	Treatment
Maceration wound area around	Stabilized skin area around	xxxxxxxxxxxxx
Irritated wound area around	normal coloured skin area around	xxxxxxxxxxxxx
xxxxxxxxxxx	xxxxxxxxxxxxx	xxxxxxxxxxxxx

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Steps in Skin Care on the surrounding wound area

What type of protection is the right ?

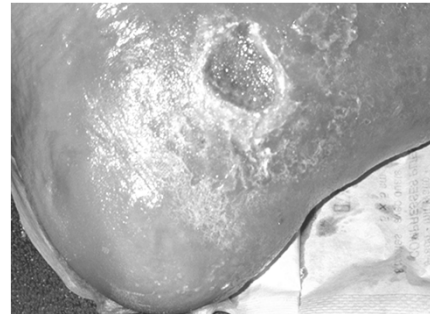
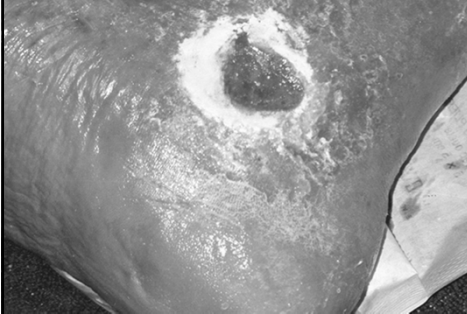
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Skin care and protection: special aspects

Skin care and protection on irritated, macerated peri wound area



Negative example with Zincpaste

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Skin care and protection: special aspects

Skin care and protection on irritated, macerated peri wound area



Negative example with Zincpaste

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Skin care and protection: special aspects

Modern, Zincream Systems

(3 Phases Liquid - Zinc - Oil/Fat)

for peri wound area, Incontinence, Intertrigo

- > like a cream (smooth)
- > elastic (also after 1-4 days)
- > very easy for cleansing (with wet & dry fase)

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dline® Swiss Premium Quality

Produtos clinicamente testados!

Sinta a sua pele a sorrir!

PODERÁ ENCONTRAR OS NOSSOS PRODUTOS EM FARMÁCIAS E ÁREAS DE SAÚDE E BEM-ESTAR.

EXEMPLOS DE APLICAÇÃO
(TRATAMENTO MÉDICO DA PELE/PROTEÇÃO MÉDICA DA PELE)

Medidas curativas e de protecção da pele

Para peles atrofiadas, pruriginosas, sensíveis, escamosas e secas. Também para peles maceradas e irritadas.

dline® Swiss Premium Quality

Produtos clinicamente testados!

dline® - TRATAMENTO DA PELE: EXEMPLOS DE APLICAÇÃO

Paciente do sexo feminino, de 73 anos de idade, com SIC - III. A ferida tem mais de 4 meses de existência. À cada mudança de penso, fosse húmido ou seco com 0,9% de NaCl. Protecção da zona circundante da ferida com ZCR®-CremaCancica até ao 14º dia.

Tratamento da ferida: com alginato enquanto material de preenchimento da ferida e um penso de espuma não aderente como cobertura da ferida. Tratamento da pele em todo o penso com NCR®-CremaCancica à cada mudança de penso, para além de ligira compressão amolada. As imagens mostram um processo de 14 dias com 10 mudanças de penso.

Estabilização da pele alcançada.

Paciente do sexo masculino, de 62 anos de idade, com SIC - III. A ferida tem mais de 2 anos e meio de existência. À cada mudança de penso, fosse húmido ou seco com solução de Ringer. Até à data, a protecção da zona circundante da ferida foi assegurada pela hidrofibra e pelo alginato enquanto material de preenchimento da ferida. Um penso de espuma não aderente e uma ligira compressão amolada garantiram a cobertura da ferida. Apesar da hidrofibra, o paciente, devido de uma grande mobilidade, desenvolveu uma maceração na zona circundante inferior da ferida, dado que o movimento constante fez com que a escuridão passasse por baixo da hidrofibra (micro-rujas da pele durante o movimento).

Após a aplicação de ZCR®-CremaCancica como protecção da zona circundante da pele, prevenção da hidrofibra e do tratamento da ferida com alginato enquanto material de preenchimento da ferida, bem como da cobertura da ferida com um penso de espuma não aderente, foi possível manter o penso 48 horas em condições ambulatoriais. Tratamento em todo o penso com NCR®-CremaCancica. As imagens mostram um processo com um período de utilização do penso de 2 dias.

Estabilização da pele alcançada.

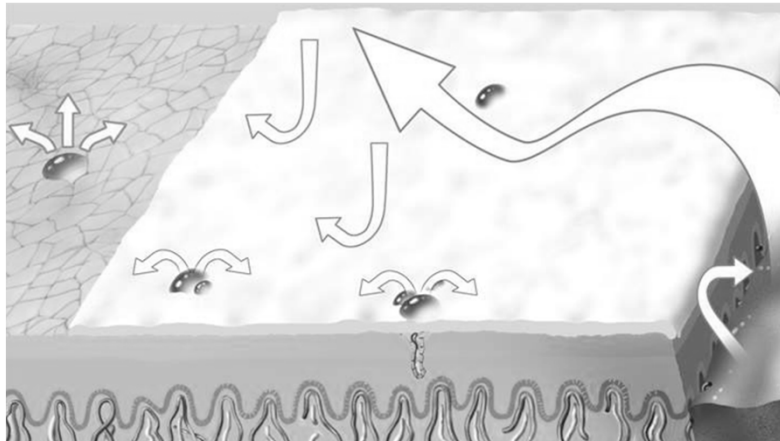
www.dline-haerzflage.de | info@dline-haerzflage.de | www.dline-haerzflage.de | info@dline-haerzflage.de

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Possibilities to protect the wound area around



**Derma Protection + Scin Care (Lipid)
+ Antiinflammation + Repaireffect
= ZCR®-ZincCream (W/O Product with mostly natural oil)**

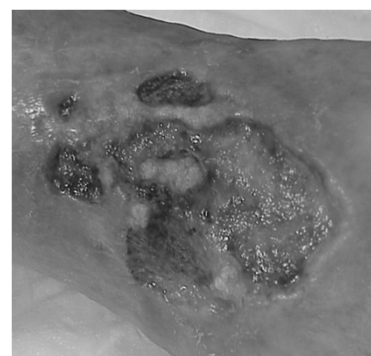
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ZCR®-ZincCream

In case of inflamed, weeping, reddened and itching peri-wound skin, old valued zinc oxide cream may be applied.



Example of a specific ZincCream from Switzerland...



...simple removal with a wet-dry-phase (without oil!)

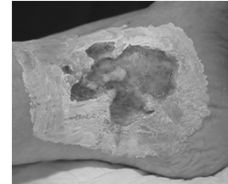
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ZCR®-ZincCream

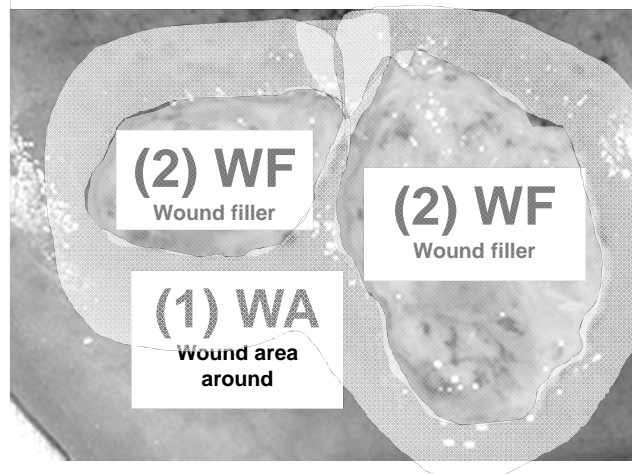
- Only smooth zinc cream (3 phase) is to be used (typically no paste = 2 phase!!).
- Thick zinc paste allows secretion, bacteria etc. to be trapped under the paste
- Zinc cream (3 phase) is to be applied as a thin white film for skin protection (e.g. in case of application of enzymes, maggots, copious exudate, etc).



Example of a specific ZCR®-ZincCream from Switzerland...

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(3) WC Wound cover

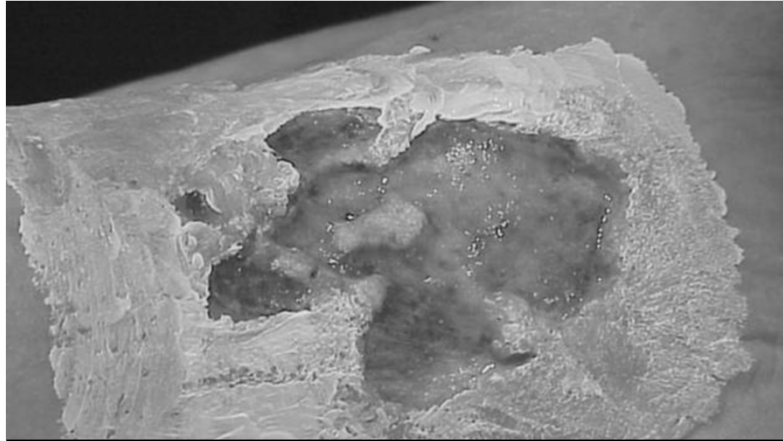


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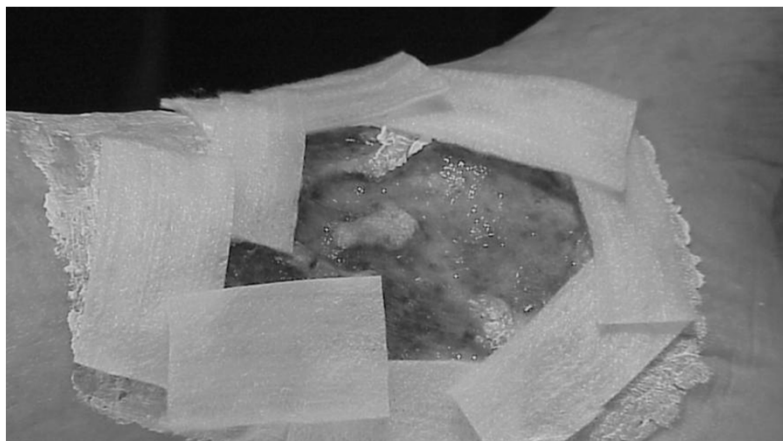
Possibilities to protect the wound area around



**Dermato Protection + Scin Care (Lipid)
+ Antiinflammation + Repaireffect
= ZCR®-ZincCream (W/O Product with mostly natural oil)**

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Possibilities to protect the wound area around



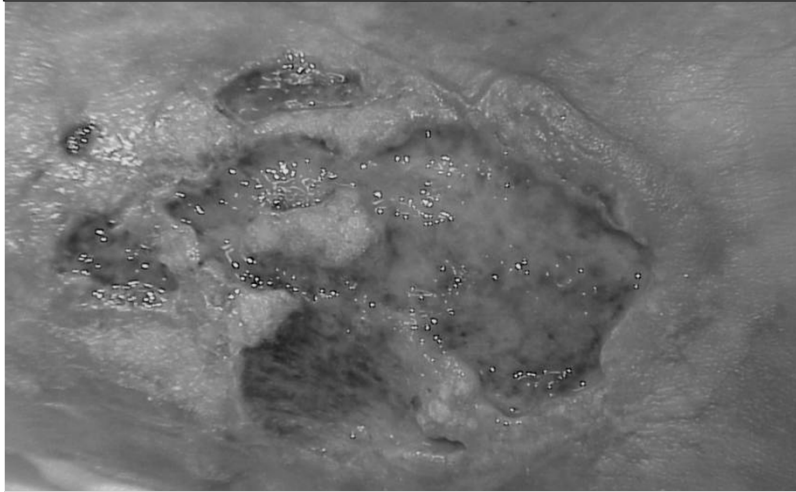
**Dermato Protection + Scin Care (Lipid)
+ Antiinflammation + Repaireffect + Fluid Stop
= ZCR®-ZincCream (dline®) + Hydrofibre**

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Possibilities to protect the wound area around

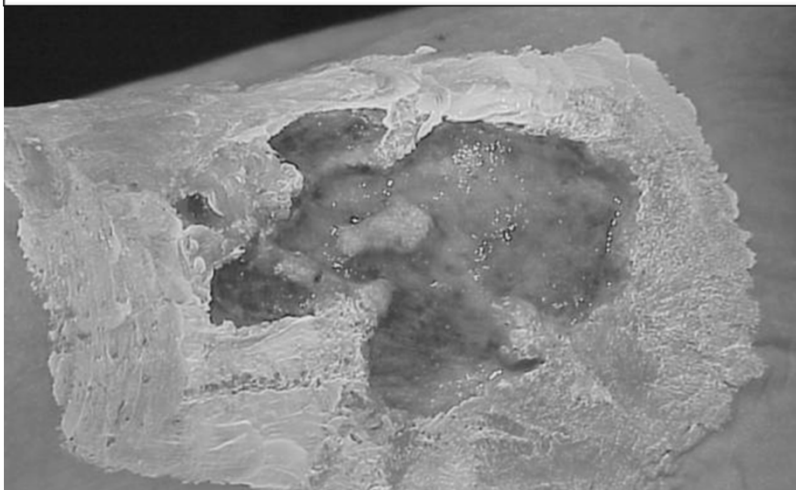


... Wound area around – before treatment – day 1...

Heavy maceration and irritation; very wet wound

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Possibilities to protect the wound area around



... Wound area around – with ZCR®-ZincCream – day 1...

Heavy maceration and irritation; very wet wound

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Possibilities to protect the wound area around

... with ZCR®-ZincCream plus Hydrofibre (Aquacel)– day 1...
Heavy maceration and irritation; very wet wound

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Possibilities to protect the wound area around

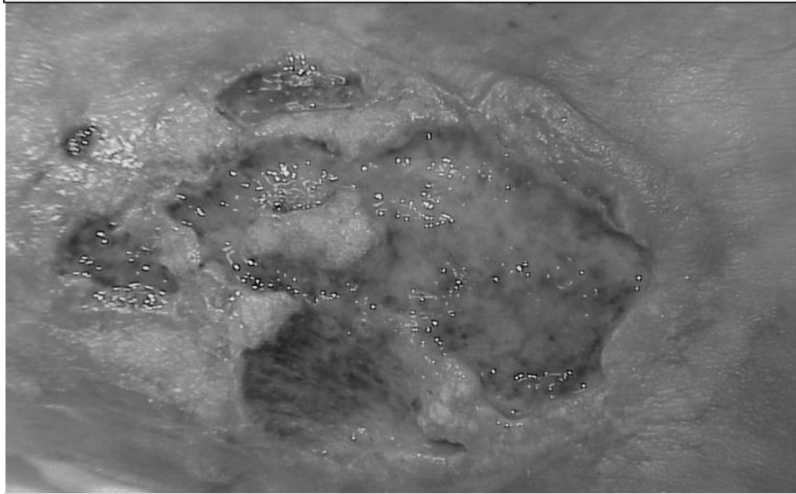
... wound area around...
First dressing change -> after 2 days....

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Possibilities to protect the wound area around

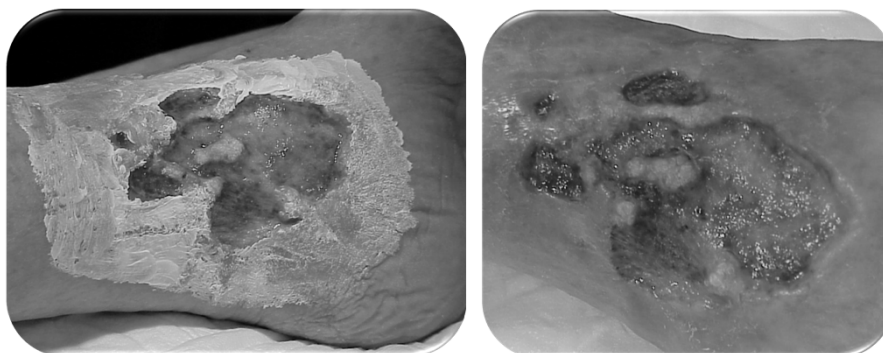


... Wound area around – before treatment – day 1...

Heavy maceration and irritation; very wet wound

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Skin Care & Protection on irritated, macerated wound area around with ZCR®-ZincCream + Aquacel® → Arrangement: after 2 days, 1 treatment

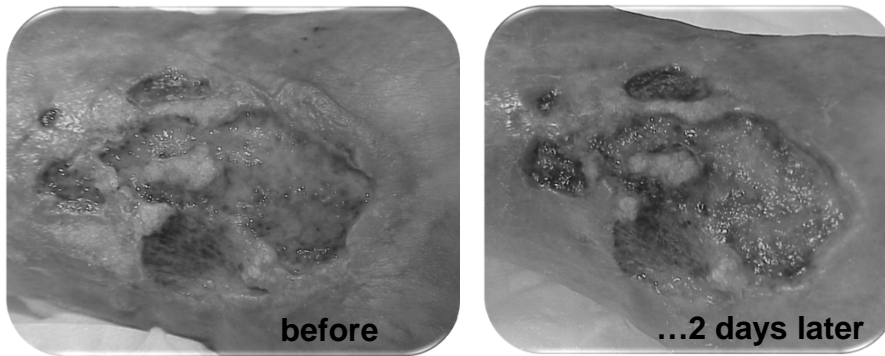


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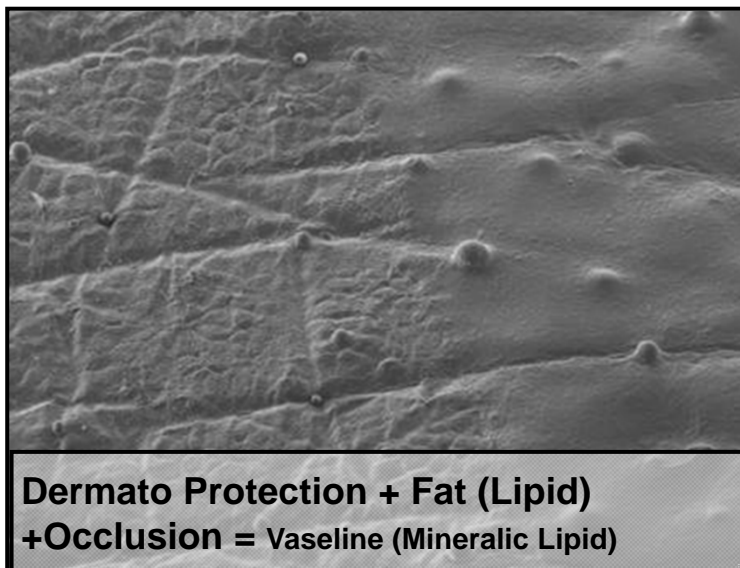
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Skin Care & Protection on irritated, macerated wound area around with ZCR®-ZincCream + Aquacel® → Arrangement: after 2 days, 1 treatment



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Possibilities to protect the wound area around



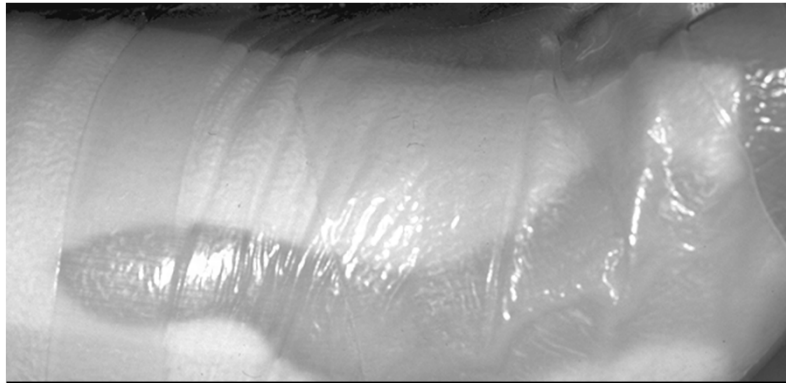
**Dermato Protection + Fat (Lipid)
+Occlusion = Vaseline (Mineralic Lipid)**

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Possibilities to protect the wound area around



Dermato Protection + Fluid Stop
Hydrofibre (Aquacel – ConvaTec®)

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Possibilities to protect the skin

Skin Protection - Example: Cavilon 24h-72h



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Possibilities to protect the skin
Skin Protection - Example: Cavilon 24h-72h
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Possibilities to protect the skin
Skin Protection - Example: Cavilon 24h-72h
Koll.Guidese KSP Winterthur
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Possibilities to protect the skin

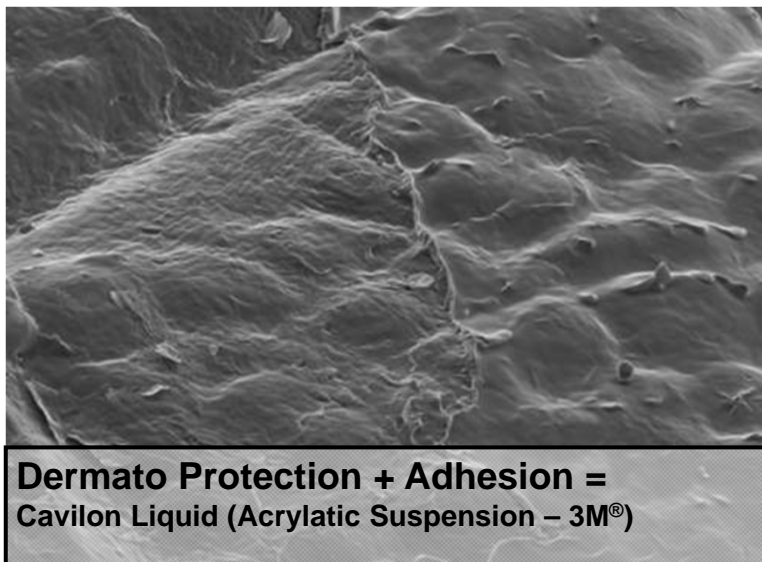
Skin Protection - Example: Cavilon 24h-72h



Koll.Guidese KSP
Winterthur

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Possibilities to protect the wound area around

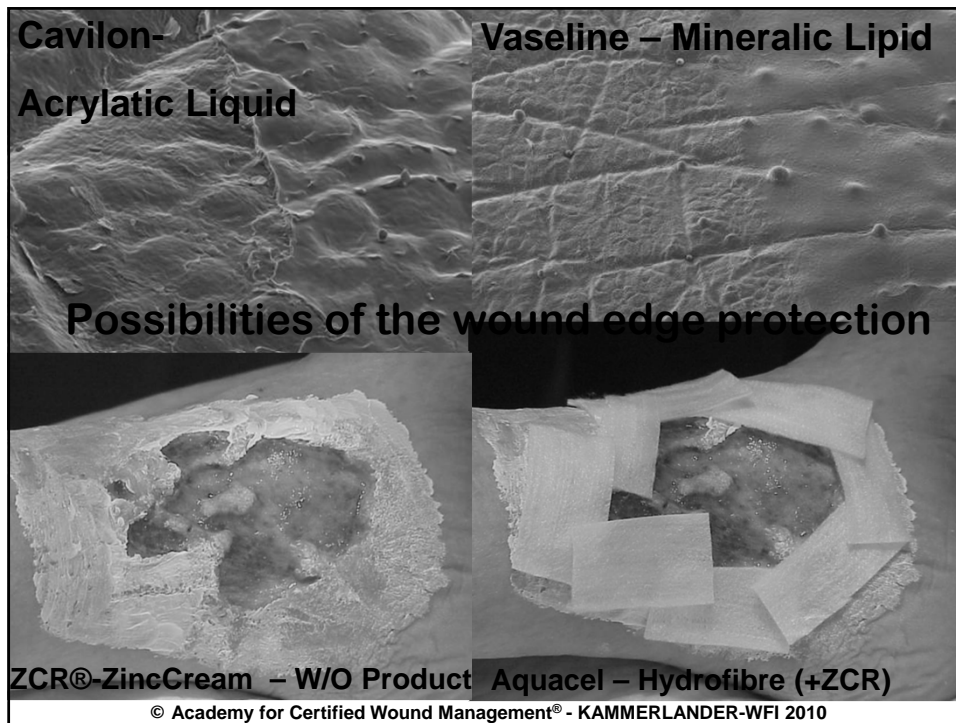


**Dermato Protection + Adhesion =
Cavilon Liquid (Acrylic Suspension – 3M®)**

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Hautschutz und besondere Aspekte

Differences between ZCR®-ZincCream und Acrylat/Silikon Liquid/Spray

ZCR®-ZincCream - W/O	Acrylat oder Silikon Lösung/Spray
skin care & protection	skin protection
not be used: product with adhesive base in direct combination	products with adhesive base can be used directly in combination
gives fat, cares, rehydration, (NMF)	no
anti-inflammatory	no
anti-itching	no
transports heat from the skin	no

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SKIN CARE AND WOUND HEALING CONCLUSION

- **Without skin care the risk for PU is high per definition.**
- Wound cleansing is conducted together with management of the wound edges, the peri-wound skin, protection and skin care.
- **Vitality and stability of the wound environment influences the process of wound healing**, as well as the quality of scarring and the risk for reoccurrence. Complications may be prevented, the treatment period may be shorter and less complex.
- If the peri-wound skin condition is not/not sufficiently taken into account in the approach to wound treatment, inflammation, irritation and other skin disorders may occur.

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Skin care & allergy

Patients with chronic ulcers and allergy

70% - 80% of leg ulcer patients

has an

Typ IV (T-Cell indicated) – allergy based on

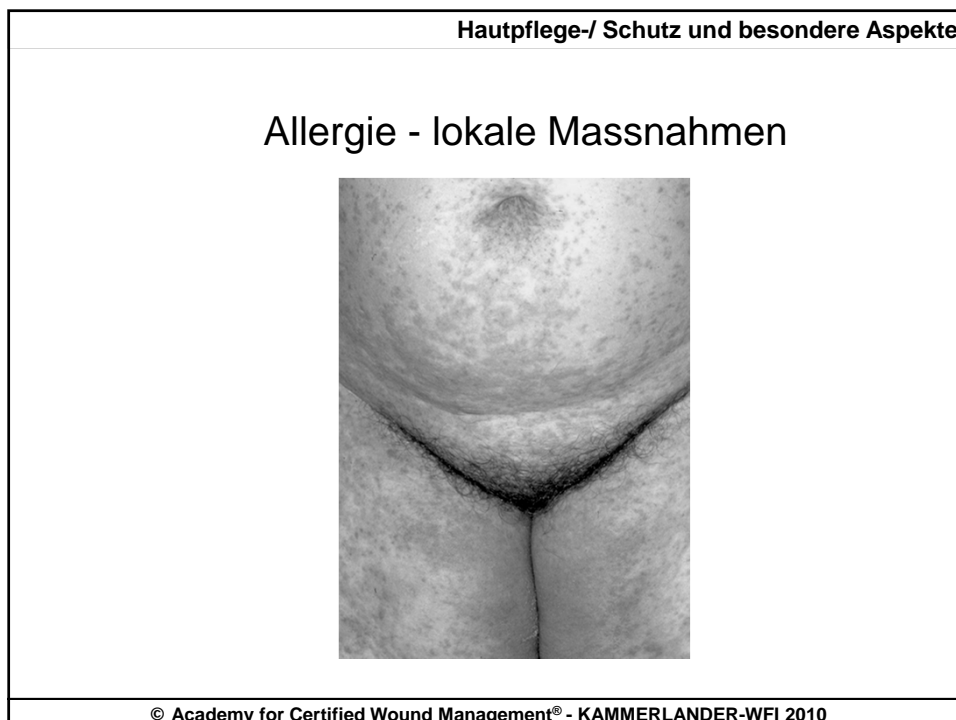
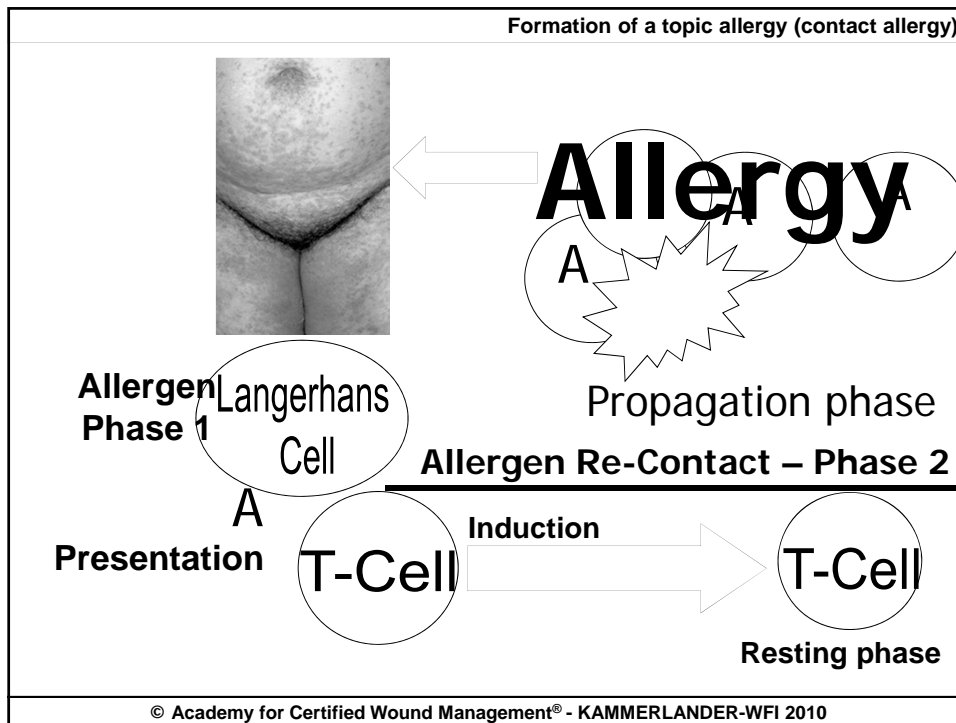
1 oder more local substances

(Ernst G. Jung - Dermatologie - Hippokrates - 1989 Stuttgart)

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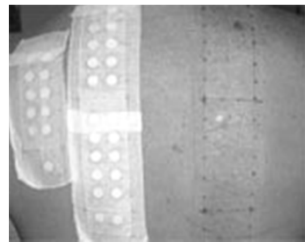


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Hautpflege-/ Schutz und besondere Aspekte

Allergie - lokale Massnahmen
- Diagnostik -



Derm.USZ.Zürich



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Hautpflege-/ Schutz und besondere Aspekte

Allergie - lokale Massnahmen
- Diagnostik -



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<p>Gemeinschaftspraxis Dr. med. Antonette Gassenmaier Hautärztin - Allergologie Dr. med. Gerhard Gassenmaier Hautarzt Bahnhofstraße 24, Tel. 08 51 / 60 04 94032 Passau 69 / 16 025</p> <p>Stempel des Arztes</p> <p>7.10.1994 Datum</p> <p><i>[Signature]</i> Unterschrift des Arztes</p> <p>HERMAL KURT HERRMANN D-W-2037 Reinbek b. Hamburg Telefon 040 / 72704-0 Ein Unternehmen der Merck-Gruppe Vertretung in Österreich: Merck Ges. m. b. H. A-1147 Wien Vertretung in der Schweiz: E. Merck AG, CH-9029 Zürich</p> <p>Wenn es um die Haut geht HERMAL</p> <p>AC-ZW 0 9114</p>		<p>ALLERGIE-PASS</p> <p>Bitte bei jedem Arzt-, Zahnarzt- und Apothekenbesuch vorlegen. Bei Verlust sofort einen neuen Paß bei Ihrem Arzt anfordern!</p> <p>Name _____</p> <p>04.05.1966 Geburtsdatum Blutgruppe _____</p> <p>Kittlmühle 1 Anschrift</p> <p>94124 Büchlberg</p>
<p>Symptome am _____ Datum _____</p>	<p>Beim Inhaber dieses Ausweises besteht eine Überempfindlichkeit gegen folgende Stoffe:</p> <p>Typ-IV-Allergie gegen Quecksilber (II)-amidchlorid+ Phenylquecksilberacetat + Thiomersal ++</p>	<p>Die angegebenen Stoffe sind beispielsweise enthalten in:</p> <p>Quecksilber(II)-amid-chlorid</p> <p>Vorkommen: Die Substanz zählt zu der Gruppe äußerlich angewandter Arzneimittel. Sie kann anhalten sein in Salben als Antiseptikum (Quecksilberplattalbin) zur Behandlung chronischer Hautkrankheiten, z. B. • zur Behandlung von Ekzemen sowie Krätze und Parasiten. Ferner kommt die Substanz in Augen- und Nasensalben vor.</p> <p>Gruppenallergie: möglich mit Quecksilber und dessen organischen Verbindungen</p> <p>Hinweise: Diese Substanz ist in der Regel geeignet, eine Kontaktallergie allgemein gegenüber Quecksilber nachzuweisen. Deshalb können auch andere Auslöser in Frage kommen. Hierzu zählen zahlreiche Werkstoffe, Thermometer, Farben, Desinfektions- bzw. Konservierungsmittel. Nicht alle der aufgeführten Vorkommen sind für Sie wichtig. Fragen Sie Ihren Arzt!</p>

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LOCAL CORTICOSTEROIDS

In case of allergic or immunological inflammatory processes of the wound or peri-wound skin, topical application of steroids over approximately 1-4 days, is the means of choice.

The risk for skin damage (e.g. telangiectasia, atrophy of the skin, epidermis, dermis, subcutis, sensory disorders, striae) is large, especially in Cortisones with an active ingredient of over hydrocortisone – acetate 0,5 – 2% application > weeks or months (depending on steroid class 2-4)

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LOCAL CORTICOSTEROIDS

Local cortisone **in principle** should not be applied longer than 1 week in so called skin folds (genital area, pleads, under the breasts, etc.) as occlusion may occur, enhancing the local activity (up to a hundred fold) possibly causing adverse reactions.

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