

Main Menu

1 About the Skin

[click here](#)

2 Skin Conditions

[click here](#)



# Functions of the Skin

**Protection**

First line of defense against infection

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**Homeostasis**

Stops fluid loss

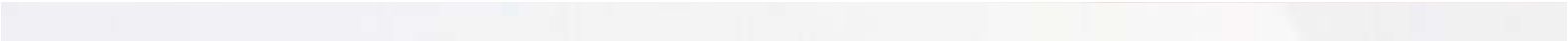
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**Sensory Envelope**

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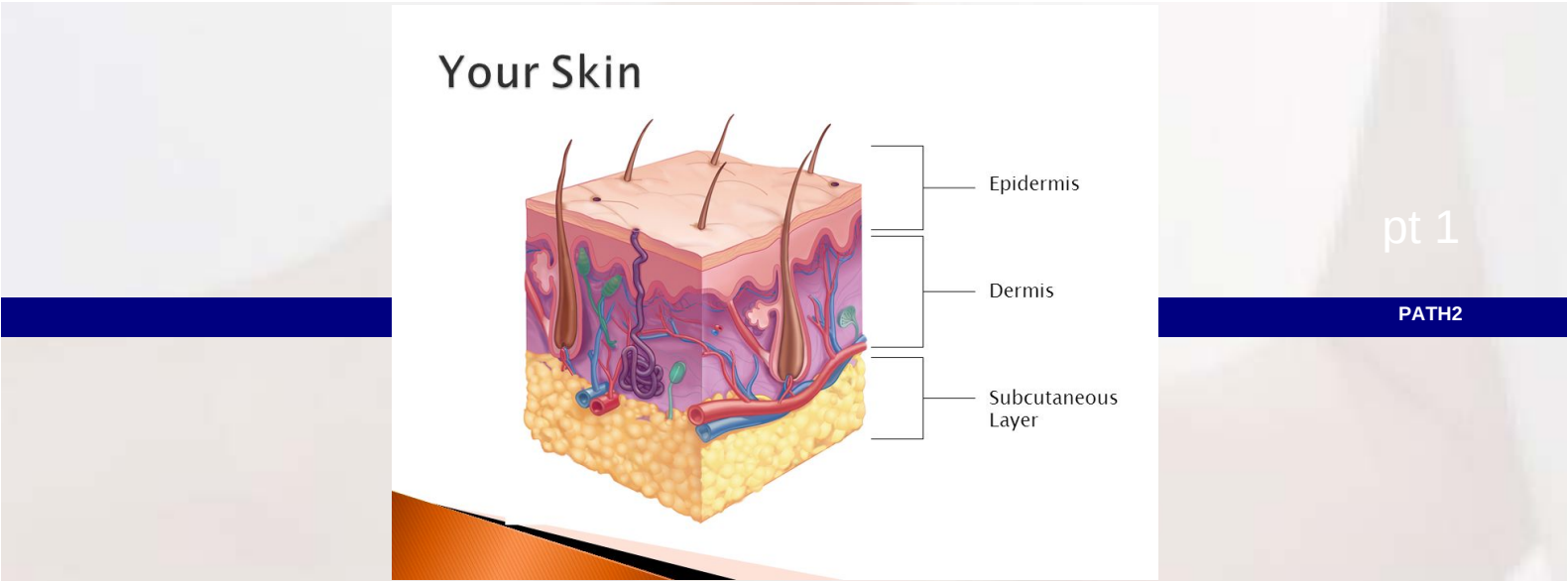
**Absorption and Excretion**

pt 1



# Construction of the Skin

Three basic layers: Epidermis, Dermis and Subcutaneous Tissue



pt 1

PATH2

# Rules for Massage

If the intactness of the skin has been compromised in any way, the client is a walking invitation to infection

## Red Flags for Massage

Lacerations (rips and tears)

Incisions (cuts)

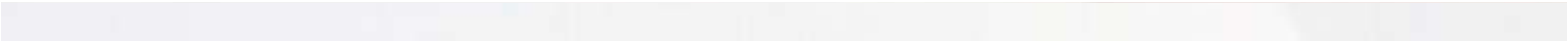
Excoriations (scratches)

Fissures (cracks)

pt 1

[Back](#)

[Next](#)



# Integumentary System Conditions

| Contagious Skin Disorders                                                                         | Non-contagious Inflammatory Skin Disorders                   | Neoplastic Skin Disorders | Skin Injuries                            |
|---------------------------------------------------------------------------------------------------|--------------------------------------------------------------|---------------------------|------------------------------------------|
| Boils<br>Cellulitis<br>Fungal infections<br>Herpes simplex<br>Impetigo<br>Lice and mites<br>Warts | Acne vulgaris<br>Acne rosacea<br>Dermatitis, eczema<br>Hives | Psoriasis<br>Skin cancer  | Burns<br>Decubitus ulcers<br>Scar tissue |

pt 1



# Boils Contagious

Staphylococcus (staph) infections mostly located at sebaceous glands or hair shafts

| Signs and Symptoms                                                                                                                                                                                                                                         | Treatment                                                                                                                   | Prevent                                                                                 | Massage?                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------------------------------------------|
| Usually occur one at a time, but may appear in a cluster (carbuncle)<br><br>Begins as a red or pink bump (1-2 days); then increases in size and pus fills the center.<br><br>If not surgically removed, it will finally rupture and resolve leaving a scar | Topical antibiotic and hot compresses<br><br>If needed, physician may lance and drain infection<br><br>Never squeeze or pop | Consistent handwashing<br><br>Cover any open lesions<br><br>Do not share personal items | If no systemic infection present, massage indicated but not on or near the boil.<br><br>Isolate linens and wash on hot water with extra bleach |



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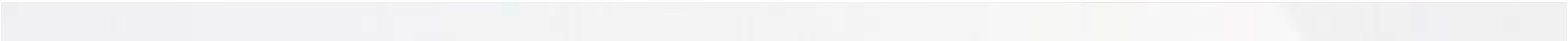
Single Boil



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Group of interconnected boils is called a carbuncle

pt 2



# Boils    Modality Recommendations

| Modality              | Recommendation                                                                                                                                        |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Deep Tissue           | Locally contraindicated otherwise supportive                                                                                                          |
| Lymphatic Drainage    | Systemically contraindicated                                                                                                                          |
| Polarity Therapy      | S: Indicated within Client comfort; work off site of infection<br>R/D: Locally contraindicated while acute; otherwise supportive                      |
| PNF/MET/Stretching    | Locally contraindicated while acute; otherwise supportive                                                                                             |
| Reflexology           | Locally contraindicated; work intestine, liver, kidney points                                                                                         |
| Shiatsu               | Locally contraindicated when contagious or acute; otherwise supportive, especially with Chinese herbs. Use L/LI for skin, K/SP/TH for immune function |
| Swedish               | Locally contraindicated unless systemic symptoms are present                                                                                          |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                                                                                             |

pt 2

[Back](#)

[Next](#)





# Cellulitis Contagious

Bacterial infection leading to painful inflammation of the skin; usually occurs on the lower leg

| Signs and Symptoms                                                                                                                 | Treatment        | Prevent                                                                                 | Massage?                                                                     |
|------------------------------------------------------------------------------------------------------------------------------------|------------------|-----------------------------------------------------------------------------------------|------------------------------------------------------------------------------|
| Redness and tenderness at the initial site of infection, along with fever, headache, malaise and other signs of systemic infection | Oral antibiotics | Consistent handwashing<br><br>Cover any open lesions<br><br>Do not share personal items | Contraindicates hands-on bodywork until the infection has completely passed. |



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Cellulitis: a streptococcal infection of the skin

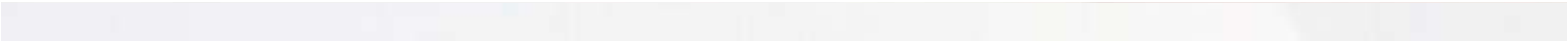


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Erysipelas: note the clear delineation between involved and uninvolved skin

pt 2





# Cellulitis    Modality Recommendations

| Modality              | Recommendation                                                                                                                                        |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Deep Tissue           | Systemically contraindicated                                                                                                                          |
| Lymphatic Drainage    | Systemically contraindicated during whole course of condition                                                                                         |
| Polarity Therapy      | S: Indicated within Client comfort; work off site of infection<br>R/D: Contraindicated until infection is resolved                                    |
| PNF/MET/Stretching    | Contraindicated while acute; otherwise supportive                                                                                                     |
| Reflexology           | Contraindicated while acute; later work lymphatic system points                                                                                       |
| Shiatsu               | Locally contraindicated when contagious or acute; otherwise supportive, especially with Chinese herbs. Use L/LI for skin, K/SP/TH for immune function |
| Swedish               | Systemically contraindicated until infection has resolved                                                                                             |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                                                                                             |

pt 2



# Fungal Infections Contagious

Mycoses (fungal infections) are characterized by lesions caused by tinea (dermatophytes); often referred to as ringworm

| Signs and Symptoms                                                                                                                                                                                                                                                                                                                                           | Treatment                                                                                                                 | Prevent                                                                        | Massage?                                                                                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|
| <p>Begins as one reddened circular itchy patch.</p> <p>Scratching spreads fungi to other parts of the body.</p> <p>As lesions grow, they become clear in the middle</p> <p>Athlete's foot (one type) creates oozing blisters and cracked skin.</p> <p>Infections of toenails or fingernails produced thickened, pitted, discolored nails that may detach</p> | <p>Topical application of fungicidal cream or powder</p> <p>Oral antibiotics for stubborn or hard-to-reach infections</p> | <p>Use footwear in public settings</p> <p>Avoid sharing towels or clothing</p> | <p>Contraindicated in all stages unless the affected areas are very limited. Then, massage should limited to non-infected areas</p> |



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Tinea corporis: body ringworm



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Tinea pedis: athlete's foot



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Tinea cruris: jock itch



# Fungal Infections    Modality Recommendations

| Modality              | Recommendation                                                                                                                                        |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Deep Tissue           | Systemically contraindicated                                                                                                                          |
| Lymphatic Drainage    | Systemically contraindicated during whole course of condition                                                                                         |
| Polarity Therapy      | S: Indicated within Client comfort; work off site of infection<br>R/D: Contraindicated while acute                                                    |
| PNF/MET/Stretching    | Contraindicated while acute; otherwise supportive                                                                                                     |
| Reflexology           | Contraindicated while acute; otherwise supportive                                                                                                     |
| Shiatsu               | Locally contraindicated when contagious or acute; otherwise supportive, especially with Chinese herbs. Use L/LI for skin, K/SP/TH for immune function |
| Swedish               | Locally contraindicated while acute; otherwise supportive                                                                                             |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                                                                                             |

pt 2

[Back](#)

[Next](#)



# Herpes Simplex Contagious

Viral infection resulting in painful blisters on a red base; develops around the mouth genitals or other areas

| Signs and Symptoms                                                                                                                                                                              | Treatment         | Prevent                                                                                                                 | Massage?                              |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------|-------------------------------------------------------------------------------------------------------------------------|---------------------------------------|
| <p>Often preceded by 2 or 3 days of tingling itching or pain.</p> <p>Then blisters appear gathered around a red base.</p> <p>Blisters gradually crust and disappear, usually within 2 weeks</p> | <p>Prevention</p> | <p>Isolating towels, bedding and clothing</p> <p>Avoid sexual contact while lesions are present</p> <p>Keep healthy</p> | <p>Contraindicated in acute stage</p> |



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Genital Herpes



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Oral Herpes

pt 2

[Back](#)

[Next](#)



# Herpes Simplex    Modality Recommendations

| Modality              | Recommendation                                                                                                                                        |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Deep Tissue           | Systemically contraindicated while acute; otherwise supportive                                                                                        |
| Lymphatic Drainage    | Systemically contraindicated while acute; otherwise supportive                                                                                        |
| Polarity Therapy      | S: Locally contraindicated while acute; otherwise indicated<br>R/D: Contraindicated while acute; otherwise supportive within client comfort           |
| PNF/MET/Stretching    | Locally contraindicated while acute; otherwise supportive                                                                                             |
| Reflexology           | Locally contraindicated while acute; otherwise supportive                                                                                             |
| Shiatsu               | Locally contraindicated when contagious or acute; otherwise supportive, especially with Chinese herbs. Use L/LI for skin, K/SP/TH for immune function |
| Swedish               | Locally contraindicated while acute; otherwise supportive                                                                                             |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                                                                                             |

pt 2



# Impetigo Contagious

Bacterial infection of the skin; usually seen in infants and young children



| Signs and Symptoms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                  | Treatment                                                                                                     | Prevent                                                                                                                                                            | Massage?                                                    |
|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------|
| <p>Impetigo contagiosa: most common form. Red sores and small blisters appear around mouth or nose. Sores are itchy but not painful. Blisters rupture and ooze liquid and a yellow-brown crust develops. Heals in 2-3 weeks leaving no scars</p> <p>Bullous impetigo: occurs in children under 2. Large, painless blisters on the trunk, arms and legs appear. Accompanied by fever, diarrhea and general weakness.</p> <p>Ecthyma: produces painful, pus-filled blisters on legs and feet along with malaise and swollen lymph</p> | <p>Mild versions treated with topical antibiotic cream.</p> <p>Oral antibiotics for more severe versions.</p> | <p>Stop infection where skin has been damaged: mosquito bites; chapped lips or noses; cuts; sores</p> <p>Keep linens and clothing of infected persons isolated</p> | <p>Contraindicated until lesions have completely healed</p> |

nodes. Can  
leave permanent  
scars

pt 2

[Back](#)

[Next](#)

# Impetigo Modality Recommendations

| Modality              | Recommendation                                                                                                                                        |
|-----------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------|
| Deep Tissue           | Systemically contraindicated                                                                                                                          |
| Lymphatic Drainage    | Systemically contraindicated                                                                                                                          |
| Polarity Therapy      | S: Locally contraindicated while acute; otherwise indicated<br>R/D: Contraindicated while acute; otherwise supportive                                 |
| PNF/MET/Stretching    | Locally contraindicated while acute; otherwise supportive                                                                                             |
| Reflexology           | Systemically contraindicated until all symptoms are resolved                                                                                          |
| Shiatsu               | Locally contraindicated when contagious or acute; otherwise supportive, especially with Chinese herbs. Use L/LI for skin, K/SP/TH for immune function |
| Swedish               | Systemically contraindicated until all symptoms are resolved                                                                                          |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                                                                                             |

pt 2

[Back](#)

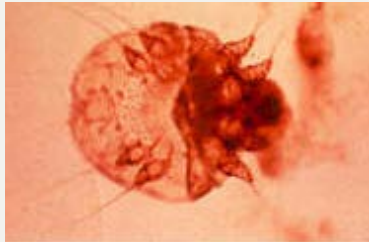
[Next](#)



# Lice and Mites Contagious

Tiny parasites that drink blood; spread through close contact with skin or infested sheets or clothing

| Signs and Symptoms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                      | Treatment                                                                                                                                                                                                                                                                                         | Prevent                                                                          | Massage?                                             |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------|------------------------------------------------------|
| <p>Mites: too small to see. Leave itchy trails or nodules where they burrow under skin. Prefer warm, moist places</p> <p>Head Lice: easy to see, but they can hide. A more dependable sing is their eggs: nits are small, rice shaped flecks that cling to hair shafts.</p> <p>Body Lice: look similar to head lice, but they primarily in clothing</p> <p>Pubic lice: look like tiny white crabs in pubic and coarse body hair.</p> <p>All create a lot of itching through the toxins they produce</p> | <p>Mites: bathing and pesticidal soap</p> <p>Head Lice: Repeated applications of pesticidal shampoo followed by systematically combing every section of hair with fine-toothed comb</p> <p>Body Lice: Good hygiene with frequent baths and clean clothes</p> <p>Pubic Lice: Same as head lice</p> | <p>Good hygiene</p> <p>Keep linens and clothing of infected persons isolated</p> | <p>Contraindicated until eradication of parasite</p> |



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Scabies mite



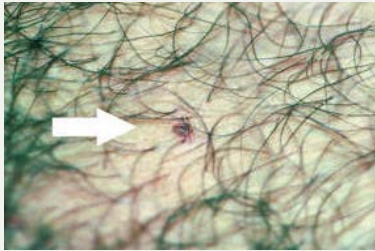
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Scabies lesions



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Nits attached to a hair shaft



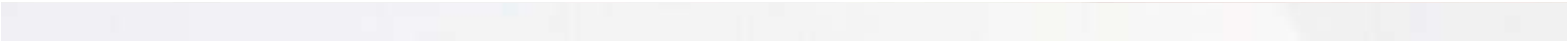
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Pubic louse in body hair

pt 2

[Back](#)

[Next](#)



# Lice and Mites    Modality Recommendations

| Modality              | Recommendation                                                                                            |
|-----------------------|-----------------------------------------------------------------------------------------------------------|
| Deep Tissue           | Systemically contraindicated while acute; otherwise supportive                                            |
| Lymphatic Drainage    | Supportive                                                                                                |
| Polarity Therapy      | S: Locally contraindicated until infestation is resolved<br>R/D: Supportive after infestation is resolved |
| PNF/MET/Stretching    | Locally contraindicated; otherwise supportive                                                             |
| Reflexology           | Locally contraindicated; otherwise supportive                                                             |
| Shiatsu               | Locally contraindicated when contagious or acute; otherwise supportive, especially with Chinese herbs.    |
| Swedish               | Systemically contraindicated until infestation is resolved                                                |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                                                 |

pt 2

[Back](#)

[Next](#)



# Warts Contagious

Growths caused by slow-growing viral infections; affects 7-12% of population

| Signs and Symptoms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Treatment                                                                                                                                                                                                                                                                                                 | Massage?                                                                                                   |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|------------------------------------------------------------------------------------------------------------|
| <p>Most common (verruca vulgaris) look like hard, cauliflower-shaped lumps that usually occur on the hands or knees.</p> <p>Plantar warts (myrmecia) grow on soles of feet. Classified as a type of squamous cell carcinoma. Can cause extensive local damage.</p> <p>Cystic warts occur on sole of the foot and are soft and smooth.</p> <p>Butcher's warts look like common warts but are associated with meat handling</p> <p>Plane or flat wars are small, brown and smooth. Appear on hands, face and shins</p> <p>Molluscum contagiosum are small white lumps.</p> <p>Genital warts are sexually transmitted; come and go with no</p> | <p>Resolve within 2 years leaving no scar.</p> <p>Drugstore remedies containing salicylic acid</p> <p>Rubbing garlic on followed by covering with duct tape to irritate wart</p> <p>Medical intervention of liquid nitrogen to freeze; electrosurgery, lasers and painting the warts with medication.</p> | <p>Local contraindication. While it is unlikely, it is not impossible to get warts from another person</p> |



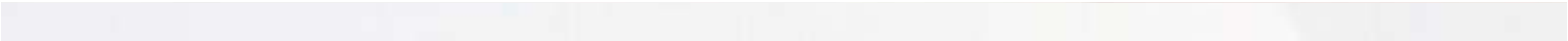
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Warts on a knee



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Plantar wart



# Warts    Modality Recommendations

| Modality              | Recommendation                                                                                                                                         |
|-----------------------|--------------------------------------------------------------------------------------------------------------------------------------------------------|
| Deep Tissue           | Locally contraindicated; otherwise supportive                                                                                                          |
| Lymphatic Drainage    | Supportive                                                                                                                                             |
| Polarity Therapy      | S/R/D: Locally contraindicated; can work off site of infection                                                                                         |
| PNF/MET/Stretching    | Locally contraindicated; otherwise supportive                                                                                                          |
| Reflexology           | Locally contraindicated; otherwise supportive                                                                                                          |
| Shiatsu               | Locally contraindicated when contagious or acute; otherwise supportive, especially with Chinese herbs. Use L/LI for skin, K/SP/TH for immune functions |
| Swedish               | Locally contraindicated; otherwise supportive                                                                                                          |
| Trigger Point Therapy | Locally contraindicated; otherwise supportive                                                                                                          |

pt 2



# Acne Rosacea NonContagious

Chronic inflammatory condition involving facial skin, eyes and eyelids

| Signs and Symptoms                                                                                                                                                                                                 | Treatment                                                     | Massage?                                                            |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------|---------------------------------------------------------------------|
| Occurs in stages of severity, starting with occasional flushing and continuing through general inflammation, the formation of papules and pustules, and finally permanent thickening and distortion of facial skin | No cure. Topical and oral antibiotics used to treat symptoms. | Exacerbated by local massage; clients sensitive to some lubricants. |



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Acne rosacea; inflammatory rosacea



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Acne rosacea; rhinophyma

pt 2

[Back](#)

[Next](#)



# Acne Rosacea Modality Recommendations

| Modality              | Recommendation                                            |
|-----------------------|-----------------------------------------------------------|
| Deep Tissue           | Locally contraindicated; otherwise supportive             |
| Lymphatic Drainage    | Supportive                                                |
| Polarity Therapy      | S/R/D: Locally contraindicated; otherwise indicated       |
| PNF/MET/Stretching    | Supportive                                                |
| Reflexology           | Indicated                                                 |
| Shiatsu               | Indicated. Use L/LI for skin, K/SP/TH for inflammation    |
| Swedish               | Locally contraindicated while acute; otherwise supportive |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive |

pt 2



# Acne Vulgaris NonContagious

Bacterial infection of sebaceous glands; usually found on the face, neck and upper back



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Acne vulgaris

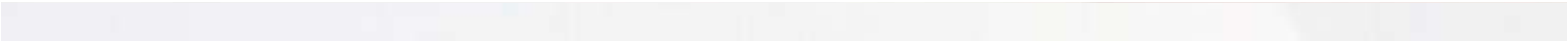
| Signs and Symptoms                                                        | Treatment                                                                                                                                                                                                            | Massage?                |
|---------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------|
| Raised, inflamed pustules on the skin sometimes with white or black tips. | Don't touch the face.<br>Wash face twice daily with gentle soap and warm water.<br><br>In severe cases, topical or oral antibiotics, steroidal anti-inflammatories or a group of drugs call retinoids are prescribed | Local contraindications |

pt 2

[Back](#)

[Next](#)





# Acne Vulgaris    Modality Recommendations

| Modality              | Recommendation                                                                     |
|-----------------------|------------------------------------------------------------------------------------|
| Deep Tissue           | Locally contraindicated; otherwise supportive                                      |
| Lymphatic Drainage    | Supportive                                                                         |
| Polarity Therapy      | S/R/D: Locally contraindicated; otherwise indicated                                |
| PNF/MET/Stretching    | Supportive                                                                         |
| Reflexology           | Locally contraindicated; work intestines, liver endocrine system and kidney points |
| Shiatsu               | Indicated. Use L/LI for skin, K/SP/TH for inflammation                             |
| Swedish               | Locally contraindicated while acute; otherwise supportive                          |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                          |

pt 2





# Dermatitis and Eczema NonContagious

Inflammation of the skin; eczema is a rash brought about by hypersensitivity; contact dermatitis is brought about by irritation or allergic reaction

| Signs and Symptoms                                                                                                                                                                                                                                                                                                                                                                                                                                                                                                          | Treatment                                                                                                                                                         | Massage?                                                                                                     |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------|--------------------------------------------------------------------------------------------------------------|
| Dermatitis presents in many ways:<br><br>Contact Dermatitis<br><br>Stasis Dermatitis: appears on lower legs; red and purplish; may include ulcers<br><br>Neurodermatitis: involves a small injury that creates an enormous inflammatory response and scaly patches<br><br>Eczema<br><br>Atopic: most common; red, flaky and dry<br><br>Seborrheic: yellowish, oily patches around nose or on scalp<br><br>Dyshidrosis: fluid filled blisters on hands and feet<br><br>Nummular: small circular lesions on legs and buttocks | Isolate irritating substances<br><br>Topical creams that suppress the immune system<br><br>Antihistamines<br><br>Corticosteroids administered topically or orally | Locally contraindicated until acute stage is passed.<br><br>If rash is present, systemically contraindicated |



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Atopic dermatitis



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Nummular exczema



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Contact allergic dermatitis



# Dermatitis/Eczema    Modality Recommendation

| Modality              | Recommendation                                                                    |
|-----------------------|-----------------------------------------------------------------------------------|
| Deep Tissue           | Locally contraindicated; otherwise supportive                                     |
| Lymphatic Drainage    | Supportive                                                                        |
| Polarity Therapy      | S/R/D: Locally contraindicated; otherwise indicated                               |
| PNF/MET/Stretching    | Locally contraindicated while acute; otherwise supportive                         |
| Reflexology           | Indicated; work intestines, liver, endocrine system, intestines and kidney points |
| Shiatsu               | Indicated. Use L/LI for skin, K/SP/TH for inflammation                            |
| Swedish               | Locally contraindicated while acute; otherwise supportive                         |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                         |

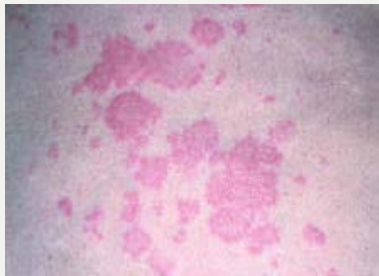
pt 2



# Hives NonContagious

Inflammatory skin reaction to a variety of triggers

| Signs and Symptoms                                                                                                                                                                                            | Treatment     | Massage?                                     |
|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------|----------------------------------------------|
| <p>Begins as small, raised, reddened areas called wheals that may join to become larger irregular patches</p> <p>Lesions are red around outside and sometimes paler in the middle. Often hot to the touch</p> | Antihistamine | Contraindicated until acute stage is passed. |



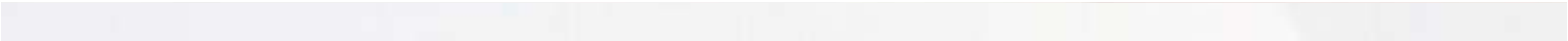
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Hives

pt 2

[Back](#)

[Next](#)



# Hives    Modality Recommendation

| Modality              | Recommendation                                                                             |
|-----------------------|--------------------------------------------------------------------------------------------|
| Deep Tissue           | Locally contraindicated; otherwise supportive                                              |
| Lymphatic Drainage    | Systemically contraindicated                                                               |
| Polarity Therapy      | S/R: Indicated with client comfort<br>D: Contraindicated while acute; otherwise supportive |
| PNF/MET/Stretching    | Contraindicated while acute; otherwise supportive                                          |
| Reflexology           | Contraindicated while acute; once cleared, ,work lymphatic system points                   |
| Shiatsu               | Indicated; Use L/LI for skin, fire element meridians for stress                            |
| Swedish               | Locally contraindicated while acute; otherwise supportive                                  |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                                  |

pt 2

[Back](#)

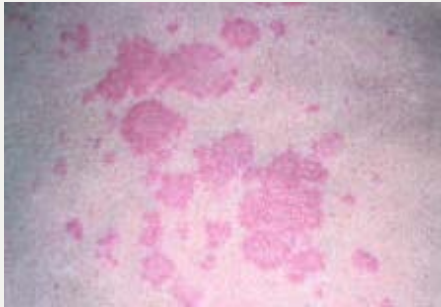
[Next](#)



# Psoriasis Neoplastic Disorders

Chronic skin disease involving the excessive production of new skin cells that pile up into isolated or connected lesions

| Signs and Symptoms                                                                                                                                                                                 | Massage?                                                                                                                                    |
|----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------|
| <p>Pink or reddish patches, sometimes with a silvery scale on top. Most frequently occurs on elbows and knees.</p> <p>Other types look like pustules, small red circles or shiny reddened skin</p> | <p>Locally contraindicates mechanical massage during acute stage. Safe and appropriate during subacute sates as long as skin is intact.</p> |



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Psoriasis



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Severe Psoriasis

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# Psoriasis Modality Recommendation

| Modality              | Recommendation                                                                                                              |
|-----------------------|-----------------------------------------------------------------------------------------------------------------------------|
| Deep Tissue           | Locally contraindicated; otherwise supportive                                                                               |
| Lymphatic Drainage    | Supportive                                                                                                                  |
| Polarity Therapy      | S: Indicated with client comfort<br>R: Supportive, within client comfort<br>D: Locally contraindicated; indicated elsewhere |
| PNF/MET/Stretching    | Supportive                                                                                                                  |
| Reflexology           | Indicate: work liver, endocrine glands, lymphatic system, kidney points                                                     |
| Shiatsu               | Supportive                                                                                                                  |
| Swedish               | Locally contraindicated; elsewhere highly indicated for parasympathetic activity                                            |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                                                                   |

pt 2



# Skin Cancer Neoplastic Disorders

Cancer in the stratum basale of the epidermis (basal cell carcinoma or BCC); cancer of the keratinocytes in the epidermis (squamous cell carcinoma or SCC); or cancer of the melanocytes (pigment cells) of the epidermis

| Signs and Symptoms                                                                                                                                                                                                                                                                                                                                                                                                       | Massage?                                                                                                                                                                                                          |
|--------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|
| <p>BCC and SCC: sores that never heal or that consistently come and go in the same place. These sores resemble blisters, warts, pimples, scars or simple unexplained bumps and abrasions. They are usually painless but may bleed or be slightly itchy.</p> <p>For malignant melanoma, look for a molelike lesion that exhibits the ABCDE signs or looks like significantly different from other moles on the person</p> | <p>BCC: Local contraindication as long as a dermatologist has diagnosed the lesion.</p> <p>SCC/Malignant melanoma: Decision must be made according to stage at diagnosis and treatments the client undergoes.</p> |



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Actinic keratosis: lips



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Basal cell carcinoma



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Squamous cell carcinoma



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Lentigo melanoma



# Skin Cancer Modality Recommendation

| Modality              | Recommendation                                                                         |
|-----------------------|----------------------------------------------------------------------------------------|
| Deep Tissue           | Locally contraindicated; otherwise supportive                                          |
| Lymphatic Drainage    | Locally contraindicated; otherwise supportive                                          |
| Polarity Therapy      | S: Indicated with client comfort<br>R/D: Locally contraindicated; otherwise supportive |
| PNF/MET/Stretching    | Supportive as part of health care team; match to activity levels                       |
| Reflexology           | Locally contraindicated; work lymphatic system and pituitary points                    |
| Shiatsu               | Supportive                                                                             |
| Swedish               | Can be supportive; stay within the client's activity restrictions                      |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                              |



# Burns Skin Injuries

Damage to skin that kills cells; caused by heat, radiation, corrosive chemicals and electricity.

| Signs and Symptoms                                                                                                                                                                      | Treatment                                                                                                                           | Massage?                                                                      |
|-----------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------------------------------------------------------------|-------------------------------------------------------------------------------|
| First degree: produce mild inflammation                                                                                                                                                 | First and Second: soothing lotion and possibly antibiotic cream                                                                     | Contraindicate in the acute stage.                                            |
| Second degree: blistering and damage at deeper levels of epidermis                                                                                                                      | Third degree: wound cleansing and debridement (aggressive skin brushing to remove debris); possibly skin grafts and plastic surgery | Massage may be performed around damaged area in subacute and postacute stage. |
| Third degree: go down into the dermis itself and beyond. Often show white or black charred edges. In postacute state, often produce shrunken, contracted scar tissue over affected skin |                                                                                                                                     | After a burn has healed, judgments are based on sensitivity of client         |



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First degree burn



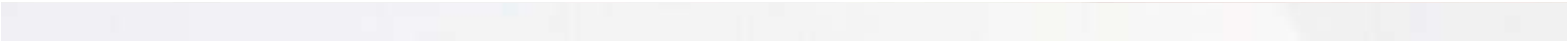
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Second degree burn



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Third degree burn



# Burns Modality Recommendation

| Modality              | Recommendation                                                                                            |
|-----------------------|-----------------------------------------------------------------------------------------------------------|
| Deep Tissue           | Indicated when postacute; owrk slowly with feedback to help return elasticity to area and adjacent tissue |
| Lymphatic Drainage    | Indicated in acute and subacute stages                                                                    |
| Polarity Therapy      | S/R/D: Indicated for work off site of injury within client comfort                                        |
| PNF/MET/Stretching    | Locally contraindicated while acute; otherwise supportive                                                 |
| Reflexology           | Locally contraindicated while acute; otherwise supportive                                                 |
| Shiatsu               | Indicated. Use SI for trauma, TH/K/SP for inflammatin systemically. Avoid burn site.                      |
| Swedish               | Locally contraindicated; otherwise supportive                                                             |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                                                 |

pt 2



# Decubitus Ulcers Skin Injuries

Also known as bedsores; lesions caused by impaired circulation to skin. Lack of blood supply leads to tissue death and a high risk of infection



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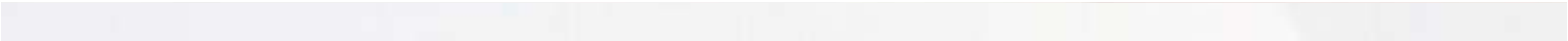
Decubitus ulcer

| Signs and Symptoms                                                                                               | Treatment                                                                                                                               | Massage?                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unlike other sores, ulcers don't crust over; they remain open wounds that may penetrate to deep layers of tissue | Topical antibiotics and dressings appropriate for smaller lesions.<br><br>Bigger, advanced sore require debridement and plastic surgery | Indicate massage only before they happen. Once tissue has been damaged, risk of infection is so high that the area must be avoided until the ulcer has healed. |

pt 2

[Back](#)

[Next](#)



# Decubitus Ulcer    Modality Recommendation

| Modality              | Recommendation                                                                                   |
|-----------------------|--------------------------------------------------------------------------------------------------|
| Deep Tissue           | Locally contraindicated; otherwise supportive                                                    |
| Lymphatic Drainage    | Supportive, especially if local swelling is present                                              |
| Polarity Therapy      | S/R/D: Indicated for work off site of injury within client comfort                               |
| PNF/MET/Stretching    | Locally contraindicated while acute; otherwise supportive                                        |
| Reflexology           | Locally contraindicated in acute and suacute stages; work liver and lymphatic system if possible |
| Shiatsu               | Indicated except at local site. Use PC for circulation, TH/SP for lymph                          |
| Swedish               | Locally contraindicated while acute; otherwise supportive                                        |
| Trigger Point Therapy | Locally contraindicated while acute; otherwise supportive                                        |

pt 2



# Scar Tissue Skin Injuries

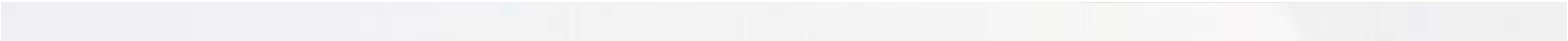
New skin or connective tissue that grows after an injury, infection or surgery



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Keloid scar

| Signs and Symptoms                                        | Treatment                                                                                                                                                                                                                                                                                                                                               | Massage?                                                                                                                                                 |
|-----------------------------------------------------------|---------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------|
| Often lacks pigmentation, hair follicles and sweat glands | Cannot be eradicated, but appearance can be minimized through:<br>dermabrasion,<br>chemical peels,<br>punch grafts and<br>laser resurfacing.<br><br>Hypertrophic scar tissue may be injected with cortisone which dissolves the excess collagen.<br><br>Keloids may be treated with liquid nitrogen, cortisone, silicone gel packs or pressure bandages | Contraindicated during acute stage of any injury where the skin has been damaged. In subacute state, massage may improve the quality of healing process. |



# Scar Tissue    Modality Recommendation

| Modality              | Recommendation                                                                                                |
|-----------------------|---------------------------------------------------------------------------------------------------------------|
| Deep Tissue           | Indicated in postacute phase; work slowly with feedback to help return elasticity to area and adjacent tissue |
| Lymphatic Drainage    | Indicated in acute and subacute stages after appropriate scar work is performed                               |
| Polarity Therapy      | S: Indicated<br>R/D: Indicated if skin is intact, within client comfort                                       |
| PNF/MET/Stretching    | Indicated during subacute stage, to client's tolerance                                                        |
| Reflexology           | Indicated                                                                                                     |
| Shiatsu               | Indicated                                                                                                     |
| Swedish               | Indicated if skin is intact                                                                                   |
| Trigger Point Therapy | Indicated during subacute and chronic stages                                                                  |

pt 2

[Back](#)

[Next](#)



# Scar Tissue Skin Injuries

Also known as bedsores; lesions caused by impaired circulation to skin. Lack of blood supply leads to tissue death and a high risk of infection



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Decubitus ulcer

| Signs and Symptoms                                                                                               | Treatment                                                                                                                               | Massage?                                                                                                                                                       |
|------------------------------------------------------------------------------------------------------------------|-----------------------------------------------------------------------------------------------------------------------------------------|----------------------------------------------------------------------------------------------------------------------------------------------------------------|
| Unlike other sores, ulcers don't crust over; they remain open wounds that may penetrate to deep layers of tissue | Topical antibiotics and dressings appropriate for smaller lesions.<br><br>Bigger, advanced sore require debridement and plastic surgery | Indicate massage only before they happen. Once tissue has been damaged, risk of infection is so high that the area must be avoided until the ulcer has healed. |

pt 2

[Back](#)

[to Lesson Home](#)



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