

AAWC EDUCATION IMAGE SERIES

on CD ROM

CDs MAY BE PURCHASED AT THE AAWC STORE AT www.AAWCOnline.org.

CD 1 (contains sets 1-4 below)

SET #1: TYPES OF WOUNDS

A variety of wounds as seen in a usual wound care setting

1. Arterial ulcer at the metatarsal head
2. Diabetic ulcer on plantar surface
3. Fecal incontinence related skin breakdown
4. Infected wounds in diabetic patient with cardinal signs
5. Malignancy: Basal cell carcinoma on cheek of elderly woman
6. Pressure ulcer stage IV
7. Skin tear on the hand of an elderly patient
8. Surgical wound: Dehiscence incision in a morbidly obese patient
9. Traumatic abrasion: "Road Rash" from a motor vehicle accident on the chest of a young woman
10. Venous stasis ulcer on lateral lower leg with associated dermatitis

SET #2: ASSESSMENT OF INSENSATE FOOT & TREATMENT OPTIONS

Images related to the assessment of the insensate foot & treatment options

1. Assessment of the dorsalis pedis pulse
2. Monofilament sensory testing on plantar surface
3. Foot deformity - dorsal view
4. Same foot as #3 - plantar surface with calluses
5. Charcot deformity, diabetic foot
6. Custom-made shoes for the diabetic man seen in Slide #7
7. Using crutches to reduce weight bearing
8. Contact casting: protecting ulcerated areas
9. Contact casting: applying plaster
10. Contact casting: including a walking surface
11. Contact casting: complete
12. AAWC logo (help promote AAWC and support our mission). Please contact business office for the most recent image.

SET #3: DERMATOLOGICAL CONDITIONS OF LOWER LEG

Dermatological problems as seen in a wound healing population

1. Multiple, bilateral squamous cell & basal cell carcinomas of lower extremities
2. Superficial ulceration on the dorsum of the right foot in a neonate with dystrophic epidermolysis bullosa
3. Necrotic ulcers on medial aspect of right leg due to a leukocytoclastic vasculitis
4. Red papules, and both clear and hemorrhagic vesicles in a dermatomal distribution at posterior right leg due to varicella-zoster virus (Herpes Zoster or Shingles)
5. Eroded pedunculated well-circumscribed papule on dorsum of toe, a pyogenic granuloma
6. Red induration plaque on right thigh caused by bacterial cellulitis. Area outlined in purple marker to observe for progression or regression with therapy.
7. Planter aspect of right foot, eroded nodule caused by an amelanotic melanoma
8. Indurated fibrotic plaques bilaterally on the medial aspect of the legs due to venous insufficiency, chronic lipodermatosclerosis
9. Annular scaly patch on dorsum of left foot secondary to trichophyton rubrum infection (tinea pedis) Note dystrophic nails, a reservoir of fungus
10. Bilateral plantar aspect of feet, keratotic plaque and dystrophic nail due to severe infestation with sarcoptes scabiei (scabies). This form is called crusted or Norwegian Scabies.

SET #4: TISSUE TYPES

Various tissue types

1. Trochanteric pressure ulcer with eschar
2. Patellar pressure ulcer with granulation and adherent epithelialization
3. Wound to dermis over buttocks with identifying signs
4. Calcaneal pressure ulcer
5. Sacral and ischial pressure ulcers with necrotic tissue
6. Healing sacral and trochanteric ulcers
7. Subcutaneous fat necrosis
8. Stage IV decubitus ulcer
9. Sacralcoccygeal pressure ulcer with granulation
10. Exuberant granulation tissue
11. Abdominal wound with granulation through mesh
12. Ischemic bulla
13. Eschar, slough, granulation, dermis, epithelialization in a wound

CD 2 (contains sets 5-8 below)

SET #5: ARTERIAL WOUNDS

Various wounds with an arterial etiology or complication

1. Classic arterial wounds
2. Non-healing ischemic wound
3. Arterial wound post long leg bypass, healed with wound care & skin graft
4. Arthritic vasculopathic ulcer
5. Pressure ulcer complicated by ischemia
6. Progressive ischemic changes that are non-bypassable in tobacco user
7. Patient in 6, one week later
8. Ischemic emboli, ulcers toe after bypass
9. Trauma wounds complicated by ischemia, neuropathic patient secondary to ethanol use
10. Damage from arterial emboli post cardiac bypass surgery
11. Arterial disease patient with wound and normal hair pattern
12. Non-healing ischemic traumatic wound

SET #6: DEBRIDEMENT

Images related to debridement

1. Ulcer before debridement
2. Ulcer after debridement with a scalpel
3. Ulcer after curettage
4. Ulcer post debridement
5. Diabetic foot ulcer callus pre-debridement
6. #5 being debrided
7. #5 with ulcer after debridement of callus
8. #5 callus removed
9. Autolytic debridement
10. Use of silver nitrate
11. Medical grade maggots
12. Maggots on ulcer
13. Drainage from maggot therapy
14. Fat and happy (interpretive) maggots

SET #7: VENOUS AND OTHER WOUNDS

Images of venous disease, edema and other wounds

1. Small ulcer, hemosiderin staining
2. Venous ulcer with dermatitis
3. #2 after one week of growth factor and compression
4. Lymphedema with ulcerations
5. Lymphedema
6. Lymphedema after compression
7. Further lymphedema after compression
8. Unna boot
9. Unna boot with Coban
10. Three layer wrap #1
11. Three layer wrap #2
12. Three layer wrap #3
13. Venous patient with irregular pattern of swelling secondary to bandage
14. Acute spider bite
15. Healing spider bite
16. Brown recluse spider
17. Pyoderma
18. Ulcer in sickle cell disease

SET #8: WOUNDS IN PATIENTS WITH DIABETES AND NEUROPATHY

Several pictures of wounds in patients with diabetes and neuropathy

1. Charcot foot deformity
2. Charcot foot, another view
3. Non-healing toe amputation with tendon and bone exposed
4. Diabetic foot callus
5. Infected diabetic ulcers with sinus tracts/fistula
6. Diabetic with burn on foot (not felt due to nerve dysfunction)
7. Wound in patient with idiopathic neuropathy
8. Failed graft from walking on same
9. Insensate foot with traumatic ulcer
10. Post toe amputation complication
11. #10 after wound care
12. Wound from #11 said to recur from non-compliant behavior
13. Stump ulceration
14. Feet, dirty from barefoot walking (ignoring hygiene and prevention)

CD 3 (contains sets 9-12 below)

SET #9: "THREE OF A KIND"

This set includes three examples of each of the four wound types displayed. This set aims to show that wounds of the same type can look vastly different.

1. Cancer – T cell lymphoma 1 ("mycosis fungoids")
2. Cancer – T cell lymphoma 2
3. Cancer – T cell lymphoma 3
4. Epidermolysis bullosa 1
5. Epidermolysis bullosa 2
6. Epidermolysis bullosa 3
7. Pyoderma gangrenosum 1
8. Pyoderma gangrenosum 2
9. Pyoderma gangrenosum 3
10. Scleroderma 1
11. Scleroderma 2
12. Scleroderma 3

SET #10: ATYPICALS I

This set includes unique, rare or hard to diagnose wounds. (More atypical wound images can be found on AAWC Image CD 4.)

1. Angiosarcoma
2. Calciphylaxis
3. Carcinoma basal cell
4. Community acquired MRSA
5. Cryoglobulinemia and atrophie blanche
6. Cryoglobulinemia and atrophie blanche (2)
7. Factitious wounds
8. Impetigo, neglected
9. Malignant (metastatic disease)
10. Necrobiosis Lipoidica Diabeticorum
11. Pyoderma
12. Scleroderma
13. Staphylococcal scalded skin syndrome
14. Trauma from cherrybomb
15. Trauma from dog bite
16. Vasculitic lesions

SET #11: COMPARISONS CHALLENGE

Is it venous or is it squamous cell carcinoma? Sometimes different types of wounds can look very similar. Use the following images alone or as shown below to challenge yourself and others.

Wound	vs	Wound
1a. Venous	vs	1b. Squamous cell carcinoma
2a. Venous	vs	2b. Denuded skin from exudate
3a. Venous	vs	3b. Cancer – T-cell lymphoma (mycosis fungoids)
4a. Venous	vs	4b. Sickle cell anemia patient with ulcer
5a. Venous	vs	5b. Vasculitic ulcer with Wegoners granulomatosis
6a. Venous	vs	6b. Vasculitic ulcer with Leiden factor
7a. Candida	vs	7b. Denuded skin from wound exudate
8a. Pyoderma gangrenosum	vs	8b. Vasculitic ulcer with Wegoners granulomatosis

SET #12: OFF-LOADING THE DIABETIC FOOT I – DIAGNOSTICS

This set shows various diagnostic methods when working with the diabetic foot. (More "off-loading the diabetic foot" images available on AAWC CD 4.)

1. Calcified vessels
2. Charcot joint
3. Foot self-exam
4. Plantar surface ulcer
5. Pressure map – bare foot
6. Pressure map – bare foot vs. orthowedge
7. Pressure map – shoe with insert
8. Pressure map – shoe without insert
9. Pressure mapping device applied to foot
10. Pressure mapping device for foot

CD 4 (contains sets 13-16 below)

SET #13: LYMPHEDEMA

This set includes pictures of primary and secondary lymphedema and the complications of lymphedema.

1. Unilateral lymphedema
2. Unilateral lymphedema with uninvolved contralateral limb
3. Bilateral dependent lymphedema in wheelchair user
4. Skin changes in lymphedema
5. Skin changes in lymphedema 2
6. Bilateral lymphedema with ulceration of lower legs
7. Positive Stemmer's sign on right foot
8. Compression bandaging in progress
9. Rigid compression bandaging of upper extremity complete
10. Bariatric patient with lymphedema and venous ulcer
11. Paths for manual lymph drainage 1
12. Paths for manual lymph drainage 2
13. Lymphedema with scaling
14. Progress in lymphedema
15. Compression wrapped leg

SET #14: ATYPICALS II

This set includes unique, rare or hard to diagnose wounds. (More atypical wound images can be found on AAWC Image CD 3.)

1. Atrophie Blanche
2. Blood Blister on heel
3. Calciphylaxis
4. Callus heel
5. Callus heel one week after debridement
6. Carcinoma - squamous cell
7. Cryoglobulinemia and atrophie blanche
8. Epithelial buds in partial thickness wound
9. Posterior view of ischemic BKA stump
10. Raynaud's
11. Sweet's syndrome
12. Traumatic wound, fascia visible
13. Ulcers on healed skin graft post necrotizing fasciitis
14. Vasculitic lesions
15. Wound in hypertrophic scar

SET #15: MODALITIES

This set includes images of various modalities.

1. Infrared
2. Infrared 2
3. Ultrasound
4. Electrical stimulation
5. Electrical stimulation in place
6. Electrical stimulation in place 2
7. Pulsed lavage
8. Pulsed lavage, full gowning
9. Ultraviolet
10. Ultrasonic debrider
11. Ultrasonic debrider 2
12. Ultrasonic debridement on wound
13. Ultrasonic debridement on wound 2
14. During ultrasonic debridement
15. Intermittent compression

SET #16: OFF-LOADING THE DIABETIC FOOT II – DEVICES AND RELATED

This set includes pictures of off-loading devices and related images of the diabetic foot. (More "off-loading the diabetic foot" images on AAWC CD 3.)

1. Total Contact Cast – removable
2. Total Contact Cast – commercially available
3. Total Contact Cast – not removable
4. Total Contact Cast – plastizote
5. Pressure relief walker
6. .25 inch felt offloading
7. Protective footwear with samples of offloading inserts
8. Insert – side view
9. Insert – top view with cut out under heel
10. Pressure relief walker with area relieved
11. Pressure relief shown with area relieved
12. Protective accommodating footwear (1)
13. Protective accommodating footwear (2) sandal style
14. Protective accommodating footwear (3)
15. Half-shoe or orthowedge
16. Ulcer on first metatarsal head
17. Pressure relief walker, close-up of pre-cut segments
18. Measuring foot and shoe's toe-box

Healing status according to OASIS-c guidelines is provided where applicable in parentheses.

SET #17 PATIENTS WITH DIABETIC WOUNDS

Various types of Diabetic Wounds

1. Diabetic toe with exposed joint
2. Diabetic foot wound-Wagner Grade I, great toe
3. Diabetic foot wound-Wagner Grade II, lateral left foot
4. Diabetic foot wound-Wagner Grade II, plantar aspect
5. Diabetic foot wound-Wagner Grade III
6. Diabetic foot wound-Wagner Grade III, heel
7. Diabetic foot wound-Wagner Grade III-great toe
8. Diabetic foot wound-Wagner Grade IV post-amputation
9. Diabetic foot wound post amputation
10. Diabetic foot wound - guillotine amputation
11. DFU with charcot changes

SET #18: PATIENTS WITH ABDOMINAL AND ATYPICAL WOUNDS

A variety of wounds

1. Abdominal wound eschar
2. Abdominal wound eschar removed
3. Abdominal wound eschar healed
4. Abdominal wound-exposed mesh (Early/partial granulation)
5. Abdominal wound with mesh and fistula drainage (Early/partial granulation)
6. Post surgical anal wound (not pressure ulcer) (Early/partial granulation)
7. Patient with liver failure ulceration from inappropriate topical medication use
8. Patient with liver failure multiple ulceration
9. Patient with liver failure ulceration with softening of eschar.jpg
11. Melanoma lateral left foot
11. Buttocks dermatitis from Candida
12. Dermatitis on top of foot

SET #19: PATIENTS WITH EXTREMITY ULCERS

Various types of Extremity Ulcers

1. Arterial Ischemic scenario microvascular
2. Arterial foot
3. Venous ulcer right leg, bacterial load (Not healing)
4. Venous ulcer right leg, granular wound bed (Early/partial granulation)
5. Calciphylaxis upper leg
6. Right lower leg wound with tendon visible (Early/partial granulation)
7. Skin tear lower leg
8. Trauma wound left leg subcutaneous hematoma
9. Left groin wound post surgical debridement (Early/partial granulation)
10. Left groin wound post surgical debridement 2 weeks later (Early/partial granulation)
11. Diabetic with arterial component toe wound

SET #20: METHODS OF DEBRIDEMENT

Various wound types with method of debridement

1. Diabetic heel wound before debridement
2. Diabetic heel wound after sharp debridement
3. Diabetic toe before debridement
4. Diabetic toe after sharp debridement
5. Heel wound deep tissue injury (Not healing)
6. Heel wound post debridement exposed calcaneous (Not healing)
7. Post Open Reduction Internal Fixation pressure ulcer from cast with necrosis (Not healing)
8. Post Open Reduction Internal Fixation pressure ulcer from cast with necrosis after enzyme debridement (Not healing)
9. Post Open Reduction Internal Fixation pressure ulcer from cast with necrosis exposed hardware (Not healing)
10. Patient with liver failure ulceration with eschar needing debridement
11. Patient with liver failure with eschar after autolytic debridement
12. Top of foot wound gangrene
13. Top of foot wound post sharp debridement with hydrogel autolytic debridement
14. Top of foot wound with collagen to achieve wound closure