

Chronic Wound Knowledge Test (CWKT)

SECTION 1.

Workplace:....

Years of professional experience:

.....

Previous specific training in wound care and treatment:

- (0) No prior training
- (1) 20-hour courses
- (2) University specialist certification
- (3) University Master's degree

SECTION 2. KNOWLEDGE QUESTIONNAIRE

- 1. According to scientific evidence, what is the most common cause of chronic wounds in the lower limbs?
 - a. Peripheral arterial disease
 - b. Venous hypertension
 - c. Diabetes
 - d. Tumours
 - e. Don't know
- 2. According to scientific evidence, which diagnostic methods for Peripheral Arterial Disease (PAD) are simple, inexpensive, non-invasive, with 95% sensitivity and 99% specificity, requiring only basic personnel training?
 - a. Arterial plethysmography
 - b. Arterial Doppler ultrasound
 - c. Arteriography
 - d. Ankle-Brachial Index (ABI)
 - e. Don't know

- 3. Which type of dressing is most recommended for wounds with heavy exudate?
 - a. Hydrocolloids
 - b. Hydrogels
 - c. Alginates
 - d. Silicone dressings
 - e. Don't know
- 4. Silver-containing dressings are incompatible with:
 - a. Alginate
 - b. Hydrocolloids
 - c. Collagenase
 - d. Hydrogels
 - e. Don't know
- 5. A self-sufficient patient in daily activities presents with an ulcer on the lower limb in the external supra malleolar region, which appeared suddenly. The patient has a 20-year history of controlled hypertension, palpable pulses, and painful, hyperaemic, rounded edges. What is the most likely etiology?
 - a. Arterial ulcer
 - b. Martorell's ulcer
 - c. Pressure ulcer
 - d. Venous hypertension
 - e. Don't know

6. Absent pulses are found in:

- a. Venous ulcers
- b. Arterial ulcers
- c. Neuropathic ulcers
- d. Post-thrombotic ulcers
- e. Don't know



- 7. What would be the evidence-based initial treatment of choice for a necrotic heel wound without fluctuation, redness, or signs of infection?
 - a. Enzymatic debridement
 - b. Surgical debridement
 - c. Mummification with povidone-iodine
 - d. Larval debridement
 - e. Don't know

8. The PEDIS classification refers to:

- a. The severity of arterial ulcers
- b. The severity of venous ulcers
- c. The severity of diabetic foot infections
- The classification of diabetic foot ulcers based on infection, sensation, and ischemia
- e. Don't know
- 9. In a warm and inflamed diabetic foot with ulcerated lesions, a differential diagnosis should include:
 - a. Acute Charcot neuropathy and acute infection
 - b. Cellulitis, plantar abscess, and osteomyelitis
 - c. Gout crisis and venous thrombosis
 - d. All of the above
 - e. Don't know
- 10. The definition "A microbial ecosystem consisting of one or more species of microorganisms associated with a living or inert surface, with complex functional and structural characteristics" corresponds to:

- a. Chronic infection
- b. Critical colonisation
- c. Acute infection
- d. Biofilm
- e. Don't know
- 11. According to evidence, compression therapy treats venous hypertension ulcers. In which cases is it contraindicated?
 - a. When the wound is infected
 - b. When there is significant exudate
 - c. When the patient has an Ankle-Brachial Index (ABI) < 0.6
 - d. In all of the above cases
 - e. Don't know
- 12. Compression therapy for venous hypertension ulcers should be performed:
 - Using crepe bandages or any available bandage, as compression is the key
 - b. With therapeutic compression stockings
 - c. With multi-layer bandages of low or high elasticity
 - d. Selecting the most suitable bandage based on the patient
 - e. Don't know

13. In a patient with a lower limb ulcer that responds poorly to debridement of sloughy or necrotic areas, with the necrotic zones increasing after debridement, what differential diagnoses should we consider?



- a. Arterial and tumoral ulcer
- b. Martorell's ulcer
- c.Pyoderma gangrenosum
- d. All of the above
- e. Don't know

14. The infection of a chronic wound should, in principle, be diagnosed by:

a. Culture of the wound exudate using any technique.

b. Clinical signs of infection: heat, redness, pain, increased exudate, etc.

c. Wound culture using a cotton swab, collecting samples from ten different points of the wound.

d. Wound culture by percutaneous aspiration.e. Don't know

15. At what Ankle-Brachial Index (ABI) value can we say that there is peripheral arterial disease?

- a. 0.9
- b. 1
- c. 0.5
- d. 0.8
- e. Don't know

16. Wounds go through consecutive healing phases that often overlap. When a wound does not heal and becomes stagnant, in which phase are such wounds typically stuck?

- a. Haemostasis
- b. Inflammation
- c. Contraction
- d. Remodelling
- e. Don't know

17. The acronym TIME is used for:

a. Assessing chronic wounds based on their physical characteristics.

b. Guiding professionals in preparing the wound bed.

- c. Classifying wounds by their depth.
- d. Classifying wounds based on their aetiology.
- e. Don't know

18. What is the Stemmer's test?

- a. Ultrasound of the limbs.
- b. Simple radiograph of the limbs.
- c. Radiograph with contrast medium.
- d. A clinical manoeuvre.
- e. Don't know

19. The mechanism of injury in dependencyrelated lesions can be:

a. Caused only by pressure between two hard surfaces.

b. Caused by pressure, moisture, friction, and shearing.

c. Caused by ischaemia of blood vessels in the dermis and hypodermis.

- d. Both b) and c) are correct.
- e. Don't know

20. The Braden scale is used for:

a. Assessing the risk of infection in a chronic wound.

b. Assessing a patient's risk of developing a pressure ulcer.

c. Evaluating sensory perception, exposure to moisture, activity, mobility, and nutrition.

- d. Both b) and c) are correct.
- e. Don't know

21. What type of dressing would you choose in the case of necrosis on a toe due to grade IV



arterial insufficiency in the Leriche-Fontaine classification?

- a. Moist dressing to facilitate debridement.
- b. Dry dressing with iodine antiseptic and sterile gauze.
- c. Dressing with active products (e.g., collagenase) to remove the necrotic tissue and promote healing.
- d. Sharp debridement.
- e. Don't know

22. Calcium alginate dressings, made through lyophilisation of brown seaweed, act through: a. Ion exchange with the wound exudate, forming a gel with the fibres, providing a moist healing environment.

a. Ion exchange with the wound exudate, forming a gel with the fibres, providing a moist healing environment.

b. Exchange of Ca²⁺ ions with Na⁺ ions from the exudate, forming a sodium alginate gel.

c. Calcium in the dressing acts as a coagulation factor that promotes haemostasis.d. All of the above are correct.

e. Don't know

23. What are the distinguishing features of biofilm compared to sloughy or devitalised tissue?

a. The surface detaches easily from the wound bed with a swab or sharp debridement.

b. Contaminated substances persist despite debridement.

c. It reappears within one or two days despite interventions.

- d. All of the above are correct.
- e. Don't know

24. If enzymatic debridement is required, which of the following products would you use?

- a. Collagenase
- b. Hydrogel
- c. Hydrocolloids
- d. Alginates
- e. Don't know

25. The Leriche-Fontaine classification is used to classify arterial insufficiency based on clinical signs. What clinical signs correspond to stage IV in this classification?

- a. Ulcer or gangrene
- b. Non-disabling intermittent claudication
- c. Disabling intermittent claudication
- d. Rest pain
- e. Don't know

26. The anatomical location of wounds helps in determining their aetiology. Could you indicate the most common locations of ischaemic ulcers?

- a. Lateral aspect of the knee, plantar area, outer edge of the foot.
- b. Medial aspect of the middle third of the leg.
- c. Interdigital spaces, heel, and toes.
- d. Both a) and c) are correct.
- e. Don't know

27. The perilesional skin of chronic wounds provides information about the aetiology of the lesions. What could be the aetiological diagnosis of a lesion with perilesional skin showing stasis eczema, ochre dermatitis, white atrophy, and hyperkeratosis?

- a. Ambulatory venous hypertension
- b. Ischaemia
- c. Diabetic foot



- d. Pressure ulcer
- e. Don't know

28. If we want to evaluate a patient's nutritional level biochemically, which parameters should we consider?

a. Glucose, urea, creatinine / cholesterol, triglycerides.

b. Total proteins, albumin, prealbumin, transferrin, red blood cells.

c. None of the above.

- d. Both a) and b) are correct.
- e. Don't know

29. There is no international consensus to confirm a deficient nutritional status by default, but in clinical practice, nutritional deficit should be suspected when:

- a. Unexplained weight loss of less than 10%.
- b. Prolonged anorexia and reduced work capacity.
- c. Albumin level below 3.5 mg/dl.
- d. All of the above are correct.
- e. Don't know

30. According to the CEAP classification for venous ulcers, a patient with an open wound on the lower limb showing signs of venous insufficiency would fall under which classification?

- a. C1
- b. C5
- c. C4
- d. C6
- e. Don't know

SECTION 3. OPINION QUESTIONS

- 31. Do you believe it is necessary to implement a university-level subject (Wound Care Science) focusing indepth on wound healing processes in the Nursing Degree curriculum?
 - a. Yes
 - b. No
- 32. Do you consider training on chronic or difficult-to-heal wound management necessary for healthcare personnel in general?
 - a. Only for nursing professionals
 - b. Only for medical professionals
 - c. Yes, for both nursing and medical personnel
 - d. No, I believe the current training is sufficient
- 33. How would you rate the training received in the institutions where you have worked?
 - a. None
 - b. Insufficient
 - c. Sufficient
 - d. Adequate in form and scope



CHRONIC WOUND KNOWLEDGE TEST

(CWKT)

Correct Answers

SECTION 2. KNOWLEDGE QUESTIONNAIRE

1 b 2 d 3 c 4 c 5 b 6 b 7 c 8 d 9 d 10 d 11 c 12 d 13 c 14 b 15 a 16 b 17 b 18 d 19 d 20 d 21 b 22 d 23 d 24 a 25 a 26 d 27 a 28 d 29 d 30 d

