

قَالَ تَعَالَى: ﴿وَاللَّهُ يَكْفُرُ إِلَىٰ ذَارِ السَّلَامِ وَهُدًى مِّنْ يَّشَاءُ إِلَىٰ صِرَاطٍ مُّسْتَقِيمٍ﴾ (25) {يونس}


ULCERS: *MANAGEMENT*

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Cairo, Feb., 2022.



“For the things we have to learn before we can do them, we learn by doing them”

Aristotle (384- 322 BC)

OBJECTIVES

Overview.

Definition.

Anatomy of ulcer.

Classification.

Ulcer healing.

Management.

Complications.



OVERVIEW



DEFINITION

DEFINITION

Ulcer is disruption or break in the continuity of lining epithelium, either skin or mucous membrane.

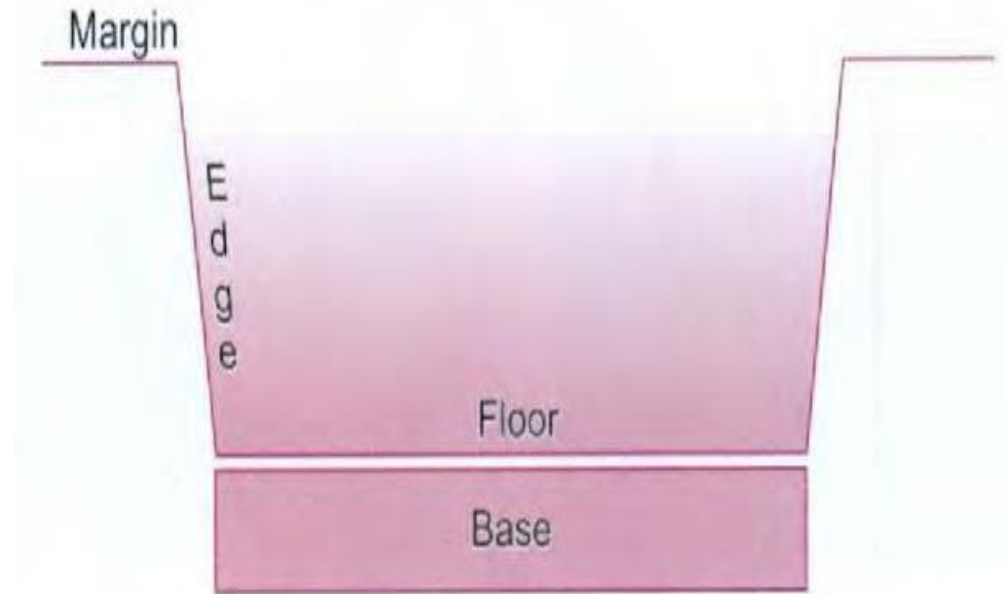


ANATOMY OF ULCER

ANATOMY OF ULCER

- **Parts of ulcer:**

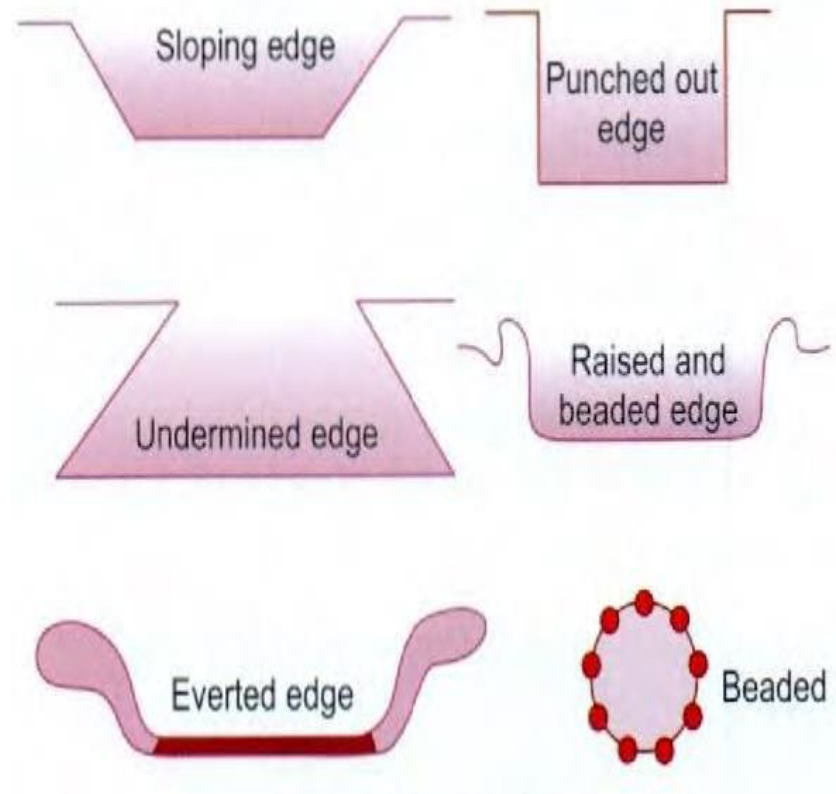
- Margin.
- Edge.
- Floor.
- Base.



ANATOMY OF ULCER

- **Edge:**

- Sloping.
- Undermined.
- Punched out.
- Raised.
- Everted or rolled out.



ANATOMY OF ULCER

- **Induration:**

Induration is a clinical palpatory sign which means there is a specific type of hardness in the diseased tissue.

ANATOMY OF ULCER

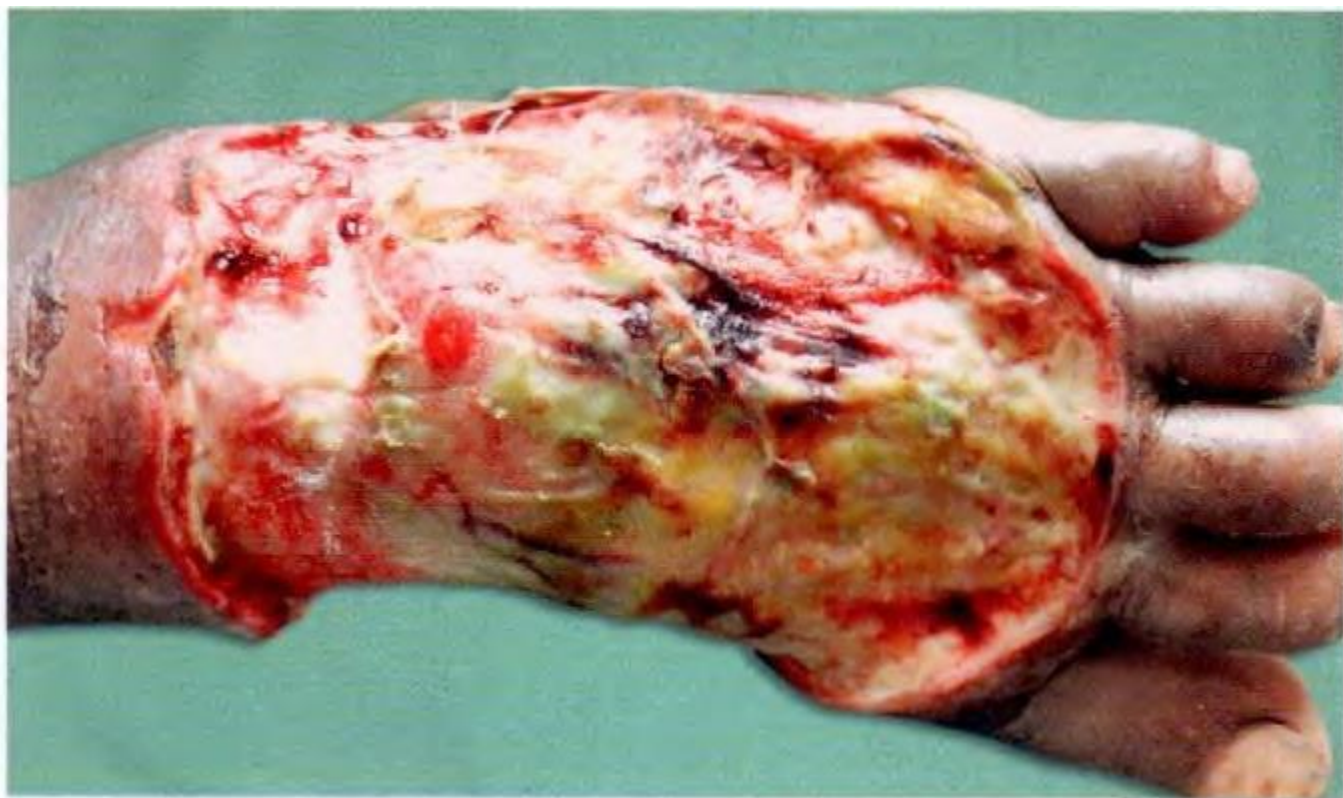
- **Discharge:**
 - Serous.
 - Purulent.
 - Seropurulent.
 - Bloody.
 - Serosanguineous.
 - Serous with sulphur granules.
 - Yellowish.



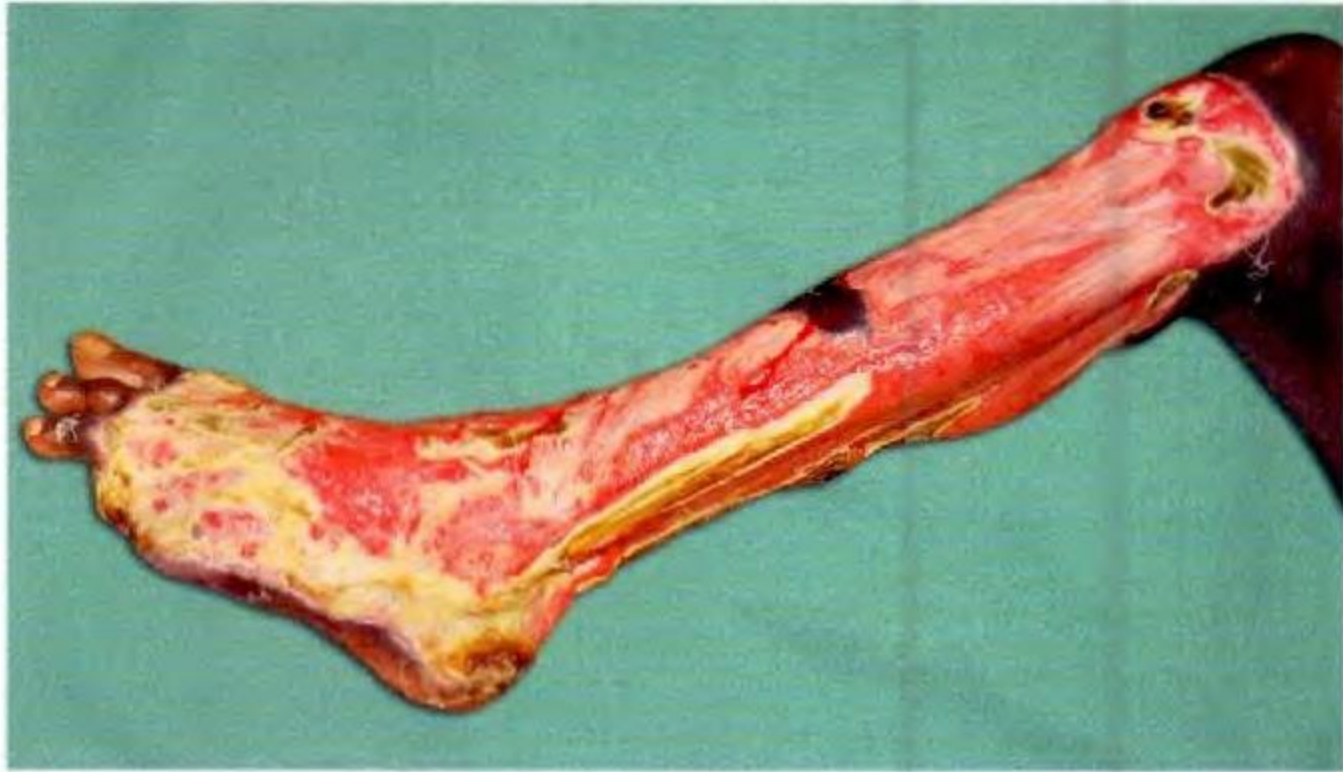
CLASSIFICATION

CLASSIFICATION

- **Clinical classification:**
 - Spreading ulcer.
 - Healing ulcer.
 - Non- healing ulcer.
 - Callous ulcer.









CLASSIFICATION

- **Based on time:**
 - Acute.
 - Chronic.

CLASSIFICATION

- **Pathological classification:**
 - Trauma:
 - Injury.
 - Burn.
 - Pressure.



CLASSIFICATION

- **Pathological classification:**
 - Vascular:
 - Arterial.
 - Venous.
 - Mixed.





CLASSIFICATION

- **Pathological classification:**
 - Neuropathic:
 - Diabetes.
 - Tabes.
 - Syringomyelia.

CLASSIFICATION

- **Pathological classification:**
 - Infection:
 - Bacterial.
 - Fungal.
 - Protozoal.





CLASSIFICATION

- **Pathological classification:**
 - Neoplastic:
 - BCC.
 - SCC.
 - Melanoma.







CLASSIFICATION

- **Pathological classification:**
 - Metabolic:
 - Diabetes.
 - Gout.



CLASSIFICATION

- **Pathological classification:**
 - Haematological:
 - Sickle cell disease.
 - Cryoglobulinemia.

CLASSIFICATION

- **Pathological classification:**
 - Panniculitis:
 - Necrobiosis lipoidica.
 - Fat necrosis.
 - Pyoderma gangrenosum.

©WebPathology





WOUND HEALING

WOUND HEALING

- **Stages of ulcer healing:**
 - Extension.
 - Transition.
 - Healing.

WOUND HEALING

- **Factors affecting ulcer healing:**
 - Local factors.
(trauma, infection, ischemia, irradiation, mobilization, FB)
 - General factors.
(age, smoking, co-morbidities, medications, malnutrition, malignancy)



MANAGEMENT

MANAGEMENT

- **Clinical presentation:**
 - Symptoms.
 - Signs.
 - Investigations, (tissue biopsy).

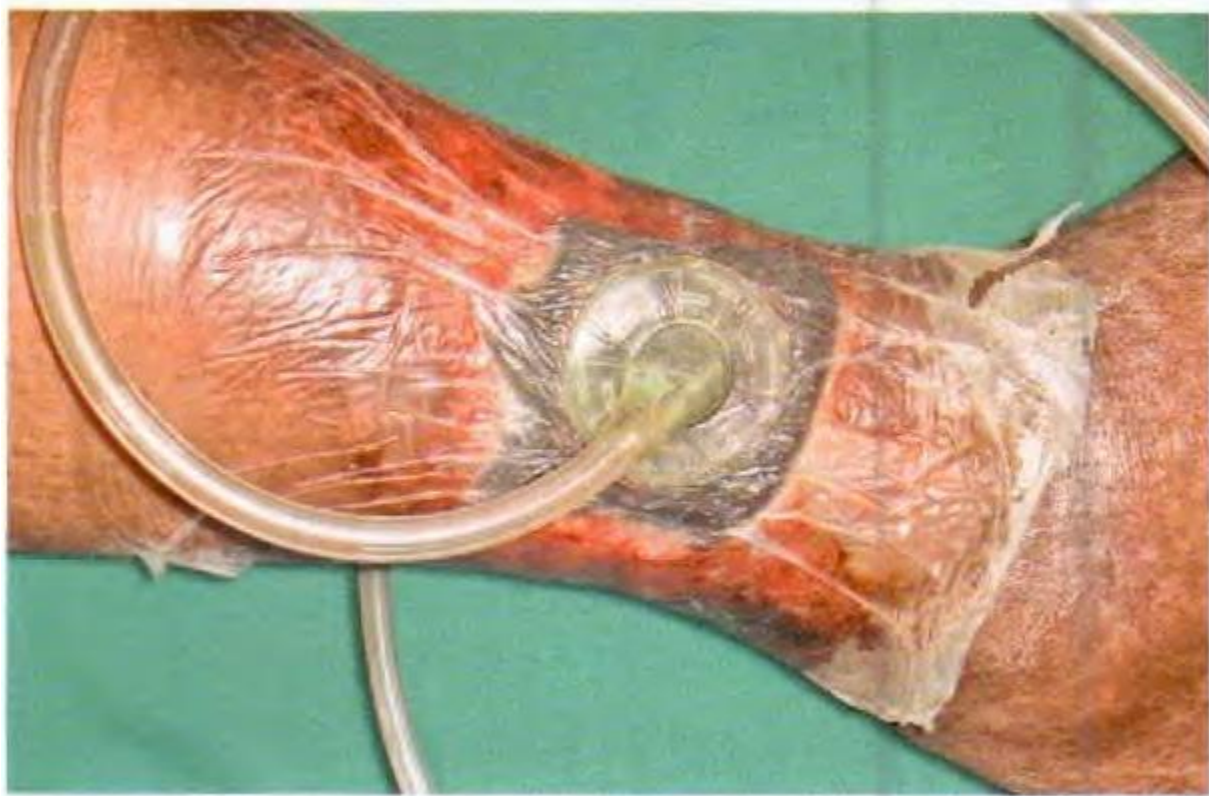
MANAGEMENT

- **Treatment :**
 - General care.
 - Local care
 - Assessmnet.
 - Cleaning.
 - Specific treatment.

MANAGEMENT

- **Specific treatment:**
 - Debridement.
 - Dressing.
 - Antiseptics.
 - Vacuum assisted closure (VAC) therapy.
 - Grafting.









COMPLICATIONS

COMPLICATIONS

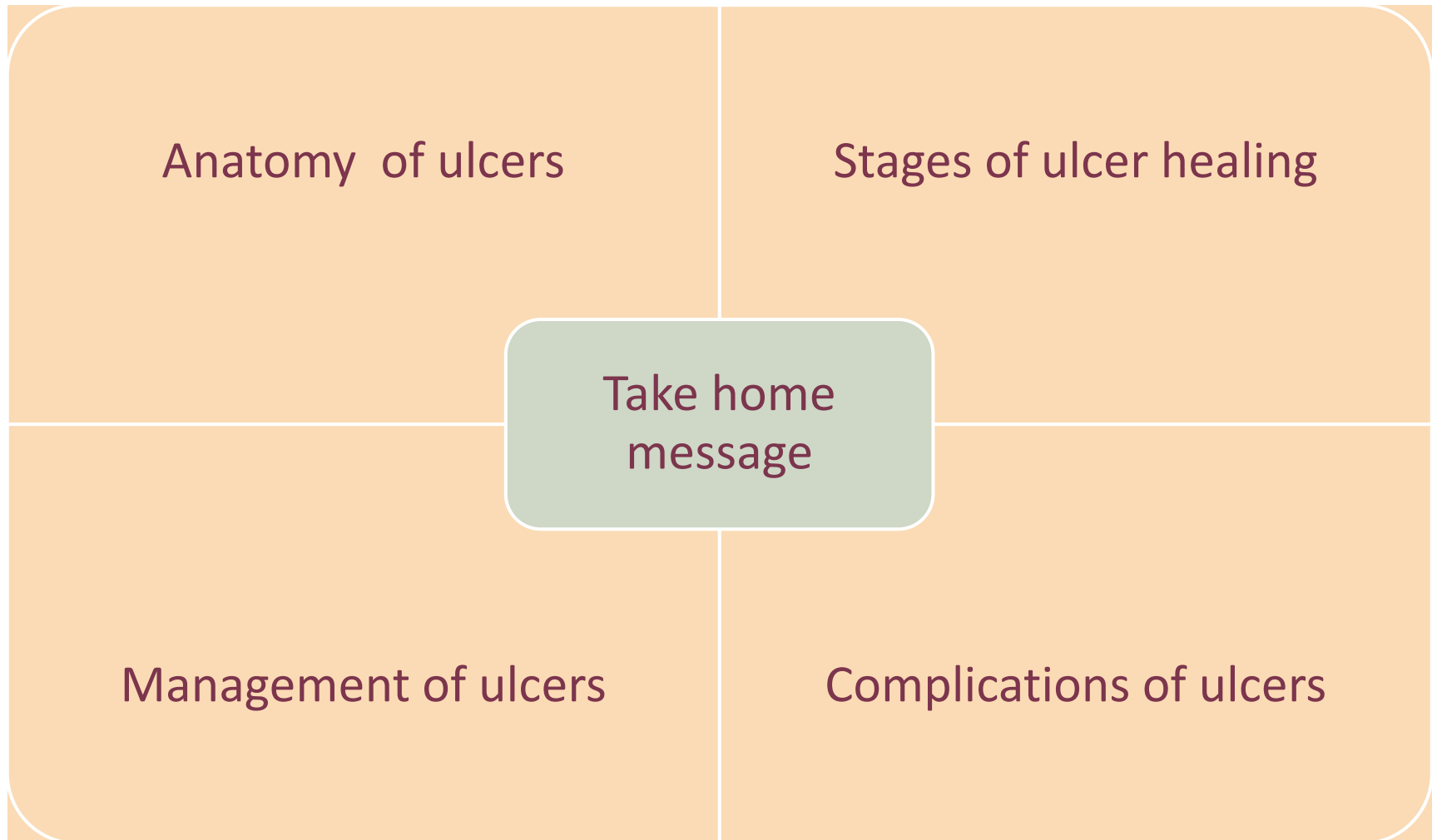
- **General complications:**

- Sepsis.

- **Local complications:**

- Scars.
- Delayed and non- healing.
- Infection.
- Malignant transformation.

TAKE HOME MESSAGE



DISCUSSION

Questions



Thank you