

Wounds Healing

I/

Normal Wound healing

Inflammatory phase of wound healing lasts for 2-3 days.

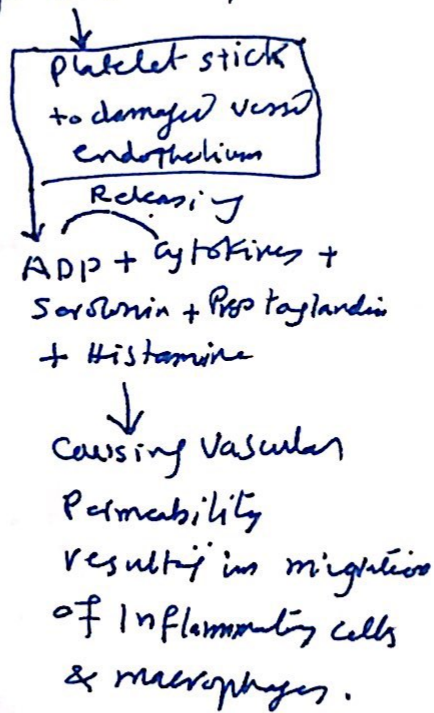
Proliferative phase last from 3 days to 3 weeks.

Remodelling phase last from end of 3 weeks to years.

Inflammatory phase also called exudative phase

1. Has no tensile strength to the wound.

2. It consist of vascular, cellular & enzymatic Processes.



Fibrinogen → Fibrine → Frame for fibroblastic

Proliferative phase → Fibroblast activity, collagen Production & new capillaries.

Remodelling phase re-arrangement of collagen fibres

(Page 1)

2. Compartment Syndrome

Occurs usually in the lower limb, following closed injury, circumferential burns & ~~crush~~ crush-injuries.

The patient complains of severe pain associated with sensory disturbance, & late stage absent peripheral pulse.

Treatment: Decompression early fasciotomy.

In crush injuries, presentation may be late, delayed fasciotomy may be dangerous. This is because ~~myo~~

Myoglobin released from dead muscles result in

Myoglobinuria → crush syndrome → Acute renal failure

Under such circumstances, Amputation may be safer.

3. Contracture → scars across joints

4. Hypertrophic scar

5. Keloid → exuberant scar.

6. leg ulcer. Marjolin's ulcer

7. Necrotising soft tissue infection

causative organism are:

Gram +ve (Staph. aureus) + Gram -ve anaerobes (E. coli, pseudomonas, Clostridia, Bacteroids) & B-hemolytic Streptococcus.

The two main types are (Clostridial gas gangrene and Streptococcal necrotising fasciitis).

8. Pressure sore. → over bony prominence → ischaemic → ulcer