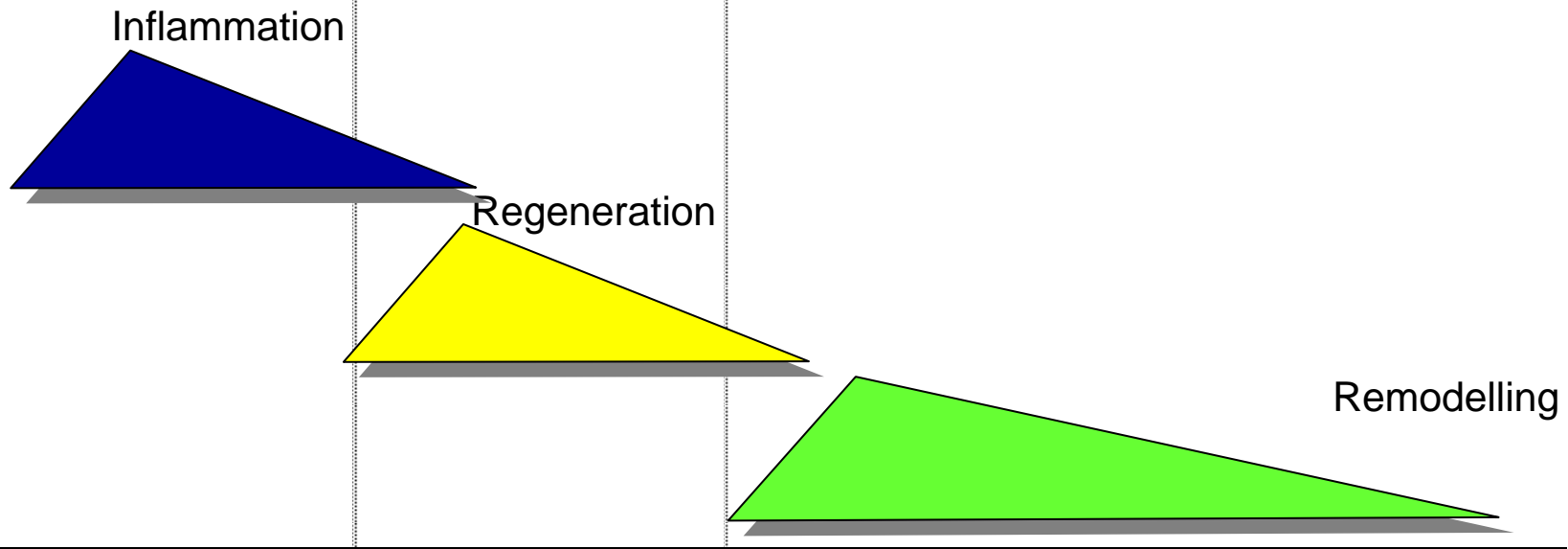


# The Phases Of Tissue Repair

The Rule Of  
The Artery  
Is  
Supreme  
Structure  
Governs  
Function

Total  
Lesion  
Concept



**Time**  
(depending on amount  
of damage)

About 4 - 6 days

From about day 5 lasting  
for 2 weeks

Commences about day 21, lasting about 60 days

**Physiological  
Processed**

Initial blood clot

Increases in the number  
of fibroblasts and  
myofibroblasts

Fibroblasts Remain active

Predominately immune  
cells that clean up the  
wound site

High collagen turnover

Turnover of collagen gradually decreasing

Very little collagen and  
very weak

Contraction of the scare  
by myofibroblasts

Myofibroblasts disappear, contraction of the scare tissue  
ceases

**Response To  
Mechanical Stress**

No tensile strength  
easily pulled apart

Gradual Increase in  
tensile strength

If repair is good, tissue regains its tensile strength