

## **Diseases related to repair deficit, i.e., chronic inflammation**

<b>Disease</b>	<b>Mechanism</b>	
Allergy	Inflammatory cytokines induce autoimmune reactions	Chronic
Alzheimer's	inflammation destroys brain cells	
Anemia	Inflammatory cytokines attack RBC production	
Aortic stenosis	Chronic inflammation damages heart valves	
Arthritis	Cytokines destroy joint cartilage & synovial fluid	
Cancer	Chronic inflammation causes many cancers	

Congestive heart failure (CHF)

Repair deficits worsen heart muscle wasting

Fibromyalgia Inflammatory cytokines are elevated

Fibrosis: Repair deficit cytokines attack damaged tissue

Heart attack Repair deficit worsens coronary atherosclerosis

Kidney failure Repair deficit restricts circulation & damage nephrons

Lupus Repair deficit cytokines induce an autoimmune attack

Pancreatitis Repair deficit cytokines induce pancreatic cell injury

Psoriasis Repair deficit cytokines induce dermatitis

Stroke Repair deficit promotes thromboembolic events

Surgical complications Inflammatory cytokines prevent healing

***Other autoimmune and chronic inflammatory conditions have similar patterns.***