**Immune system**

Ch 43

**Fig 43.2**

Innate immunity

Acquired immunity:

**Innate immunity**:

**Histology fig. 3-1, 3-4**

Skin:

Lysozyme:

Ecosystem:

Internal defense:

Lymphatic system: **(fig 43.5)**

Cellular:

Phagocytes: **(fig 43.1 & 43.4)**

Neutrophils:

Macrophage:

Wandering:

Fixed:

Eosinophils:

Dendritic

NK cells:

Chemical:

Complement system:

Interferon:

, &  interferon

Inflammatory response: **(fig 43.6)**

**Acquired immunity**:

Natural acquired immunity:

Artificial acquired immunity:

Primary response:

Secondary response:

Cytokines:

**(fig 43.7)**

Antigen:

Epitope:

Antigen receptor:

Antibody:

Lymphocytes:

**(fig 43.12)**

B cell:

Plasma cell:

B memory cell:

**(Prescott fig 31.6)**

T cell:

Cytotoxic T cell: cause lysis & death – release perforin

Helper T cell:

Memory T cell:

**(Fig 43.4) (fig 43.15, 16, 17)**

B cell receptors: **(fig 43.8)**

T cell receptors: **(fig 43.8)**

 chain:

 chain:

**Fig 43.9**

MHC:

Class I MHC:

Class II MHC:

**Antibodies**: immunoglobulin

IgA:

IgD:

IgE:

IgG:

IbM:

**(Fig 43.19)**