M.I.P.

PROF. CHUCHU

David Alencar

Imunologia

PROF. CHUCHU

David Alencar

Imunologia– Conceitos Básicos



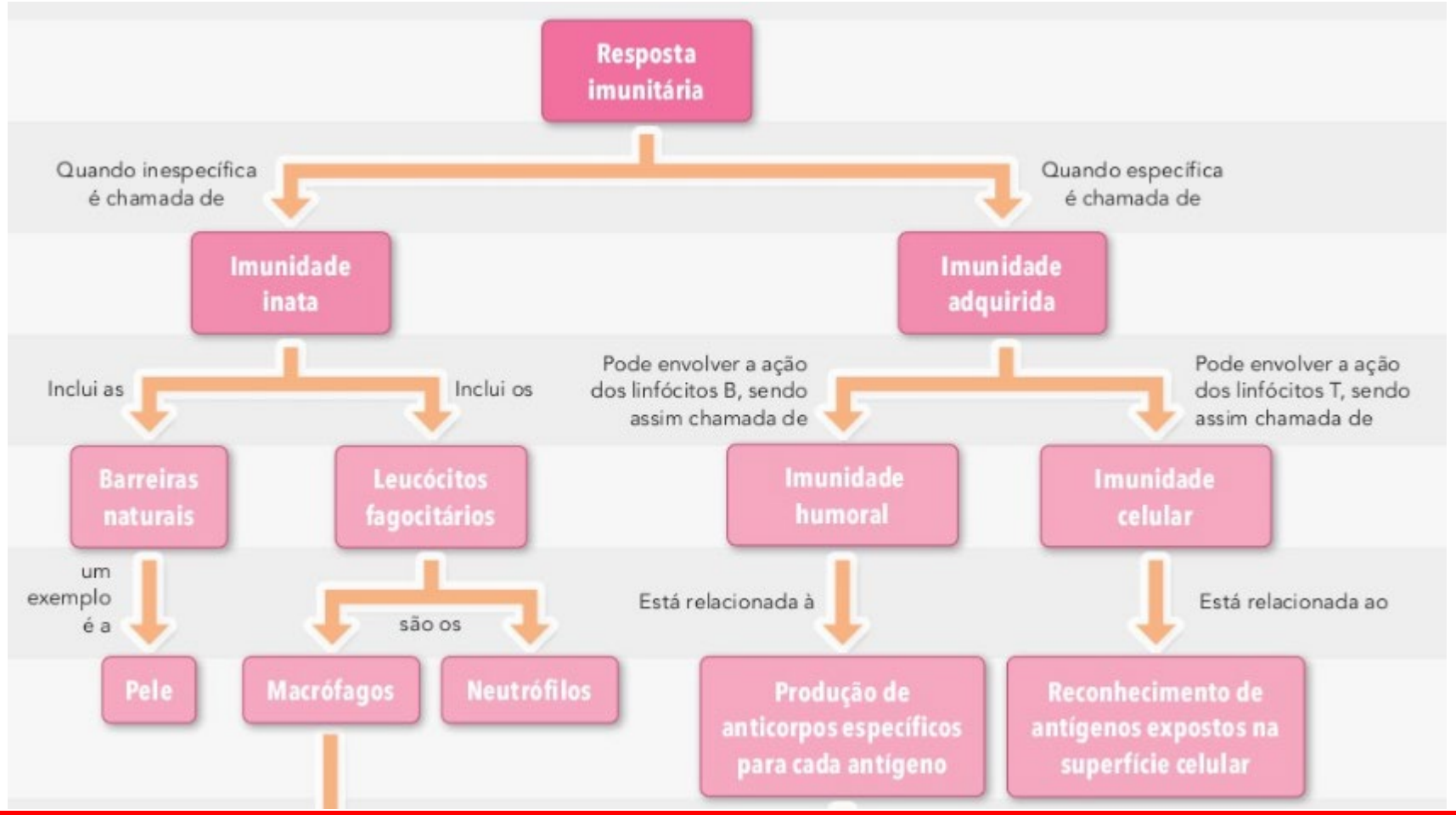
Imunologia– Conceitos Básicos



Imunologia– Conceitos Básicos

Resposta imunitária

- Inespecífica
- Adquirida



Imunologia– Conceitos Básicos

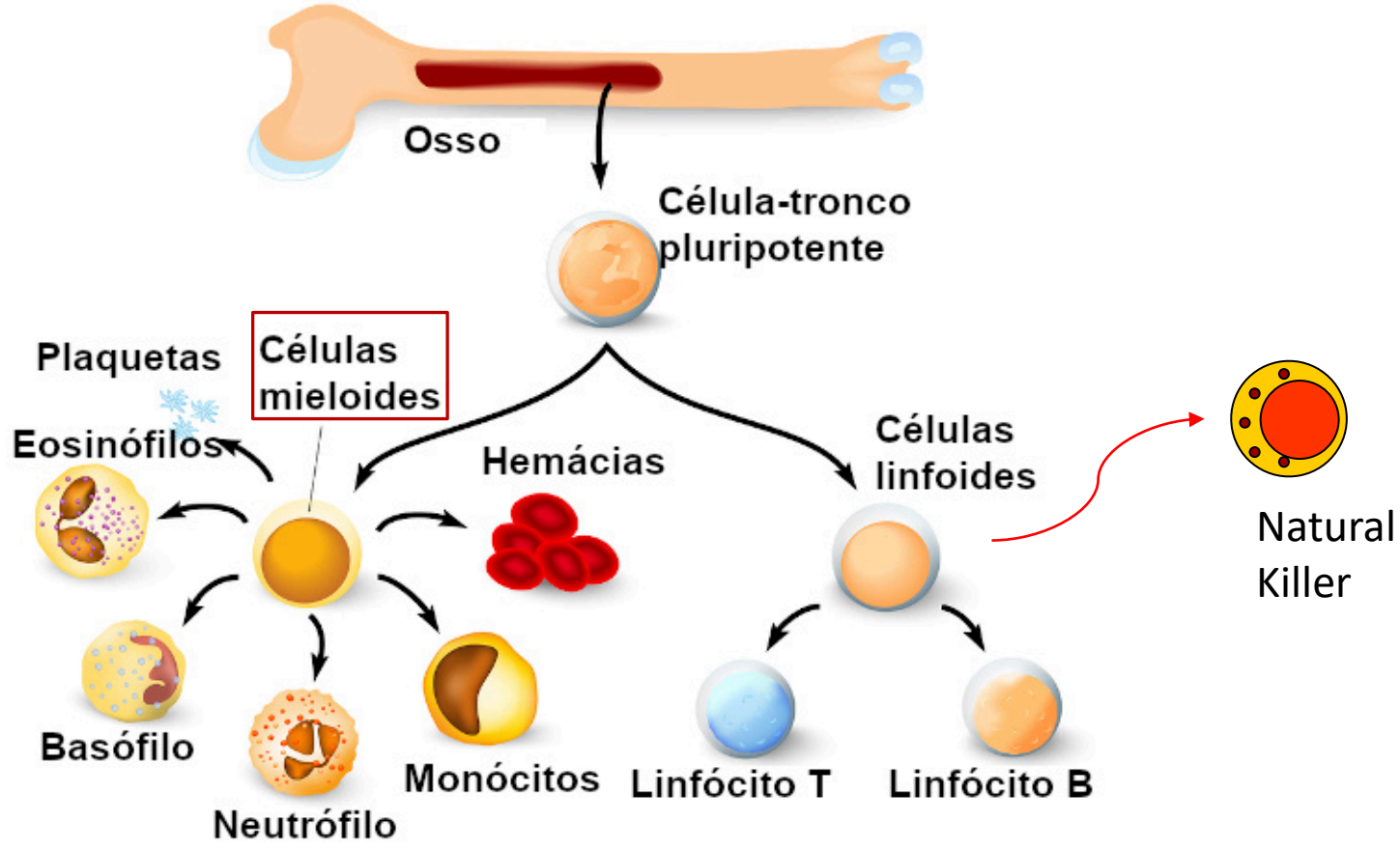
Resposta Inespecífica/Inata - Barreiras

- Mecânicas
- Microbiológicas
- Químicas



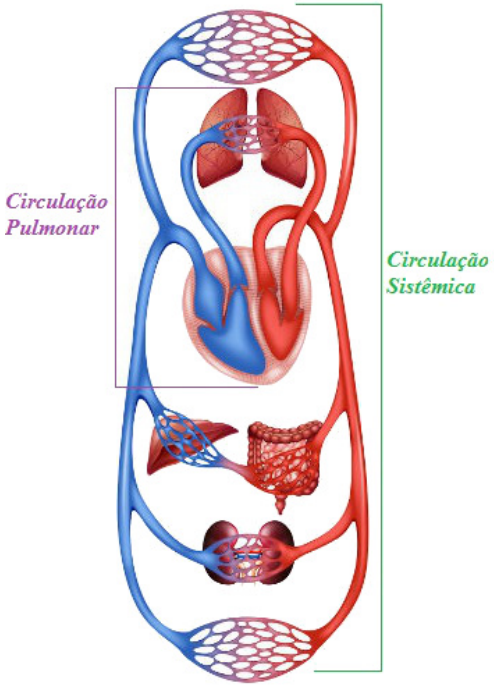
Imunologia– Conceitos Básicos

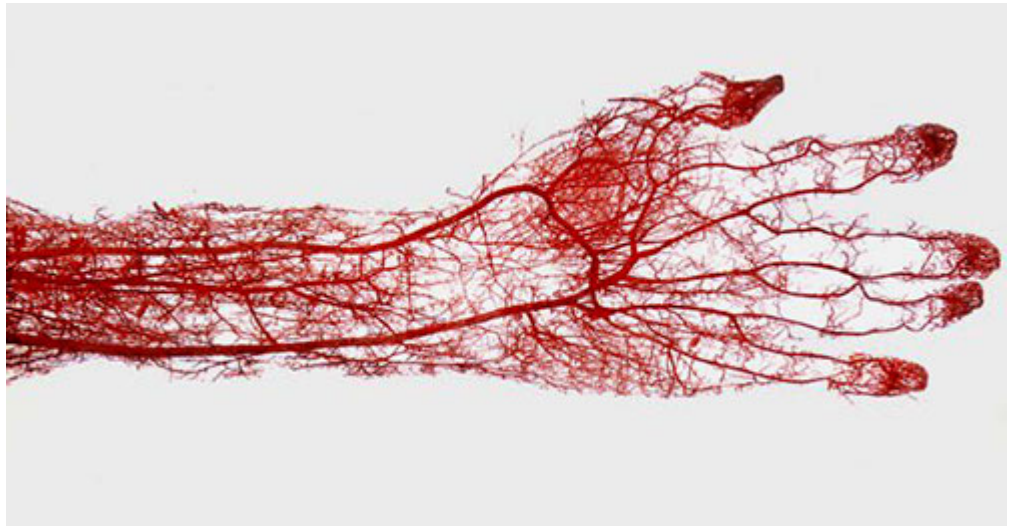
Resposta Inespecífica/Inata – Leucócitos fagocitários



Imunologia– Conceitos Básicos

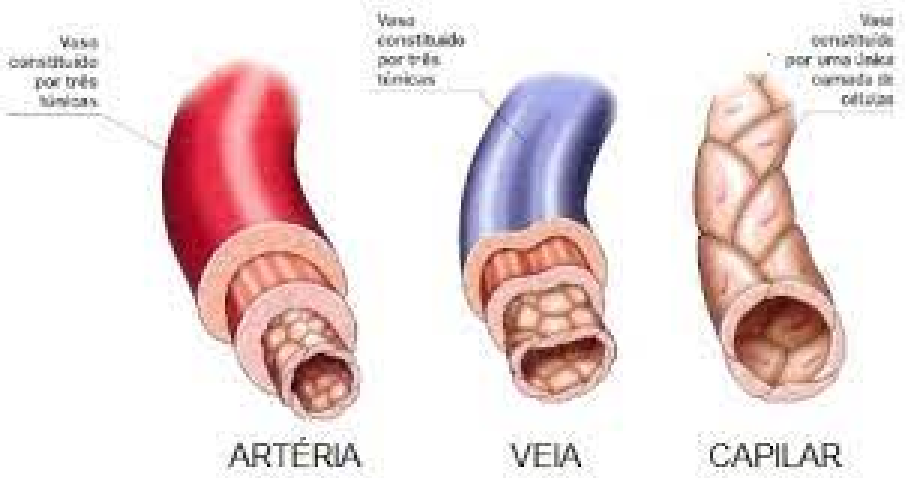
Sistema Cardiovascular

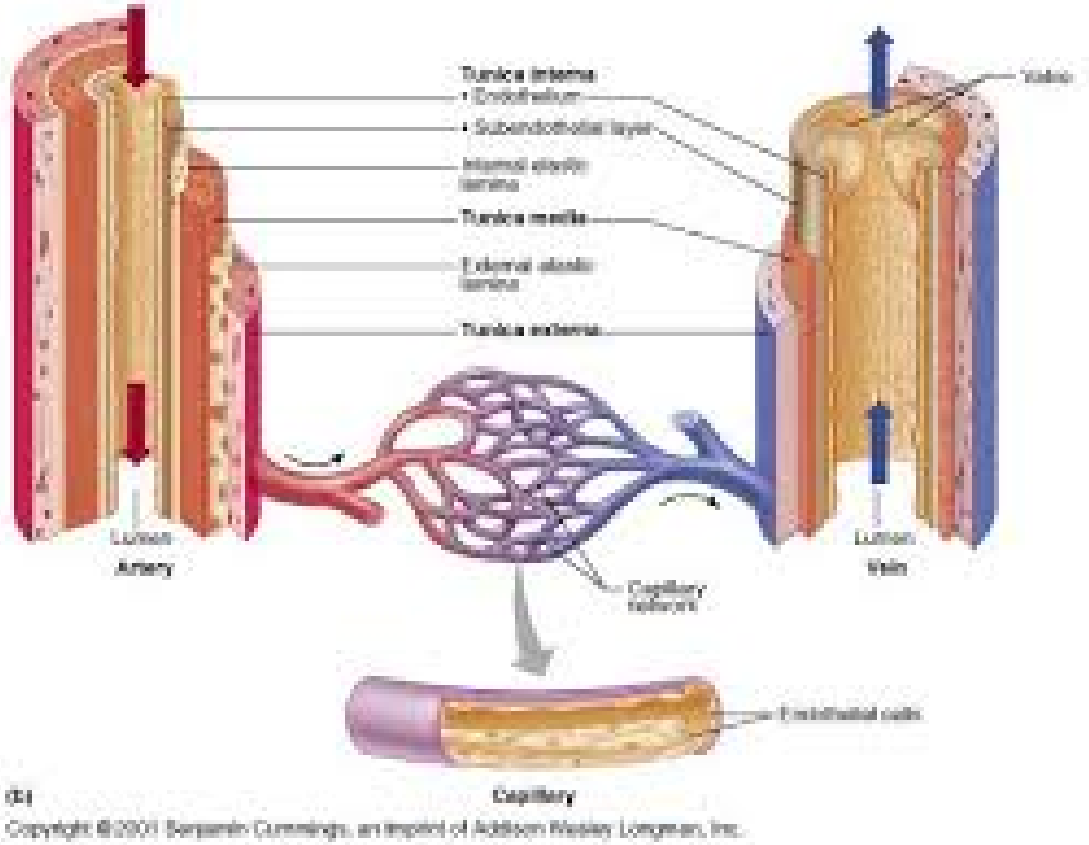




Imunologia– Conceitos Básicos

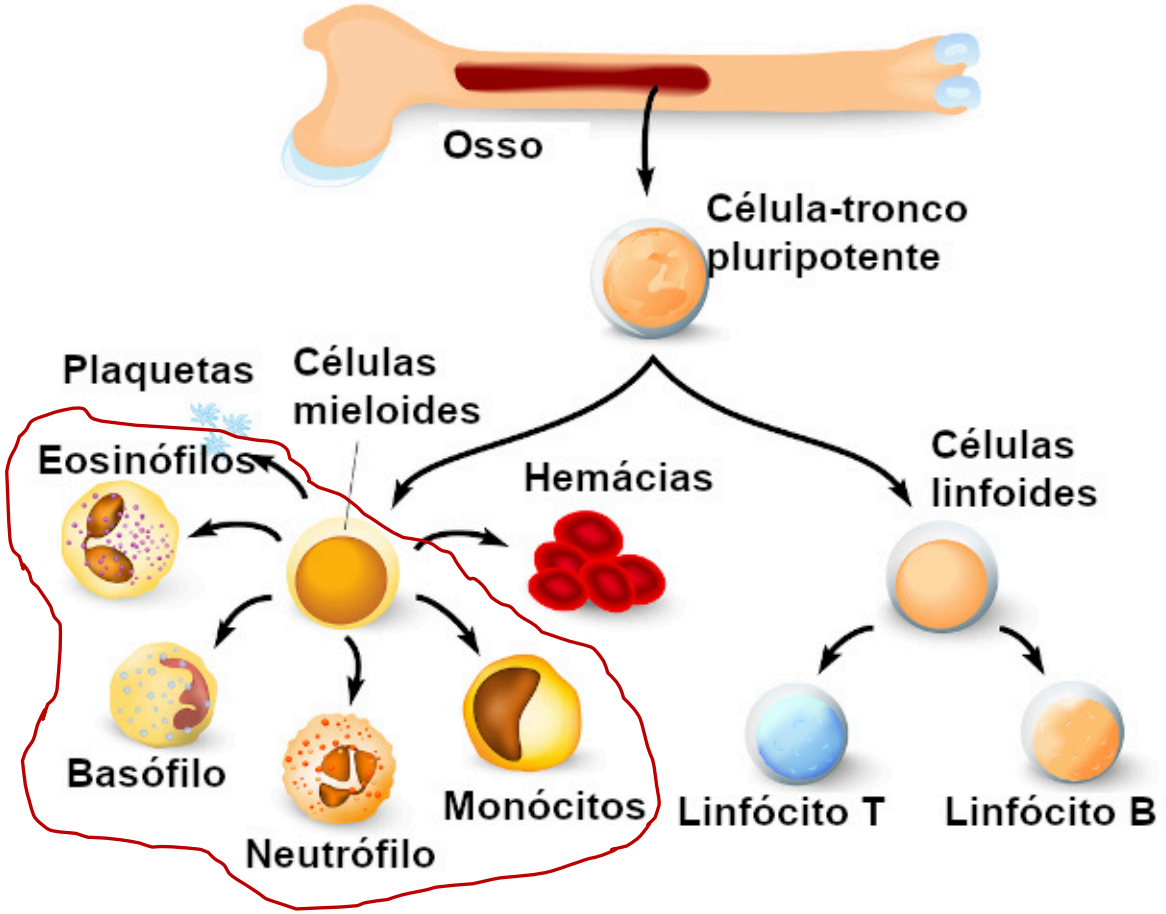
Sistema Cardiovascular





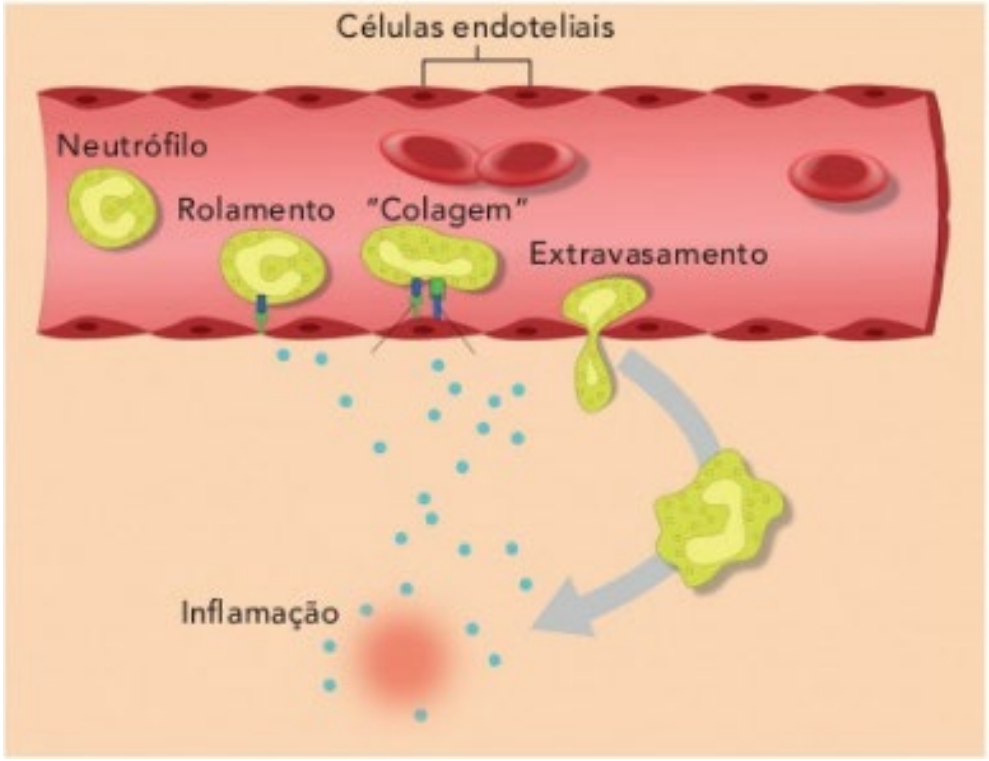
Imunologia– Conceitos Básicos

Resposta Inespecífica/Inata – Leucócitos fagocitários



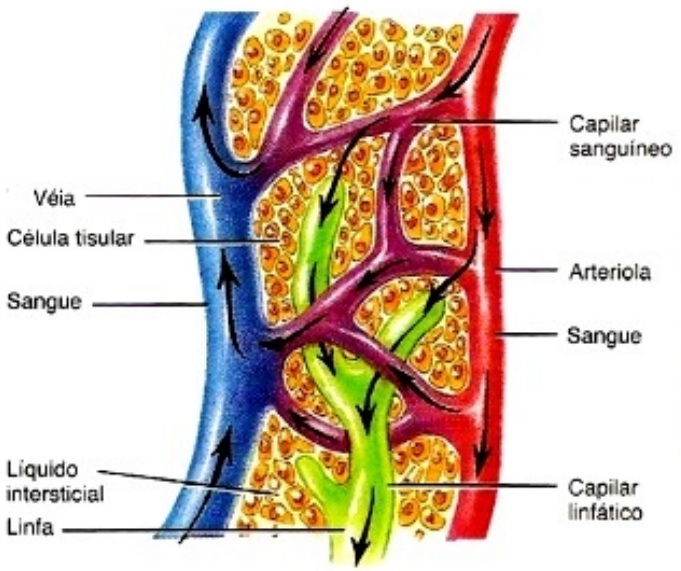
Imunologia– Conceitos Básicos

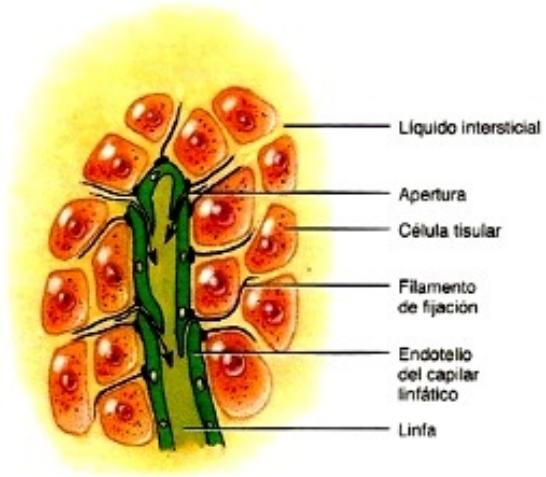
Diapedese

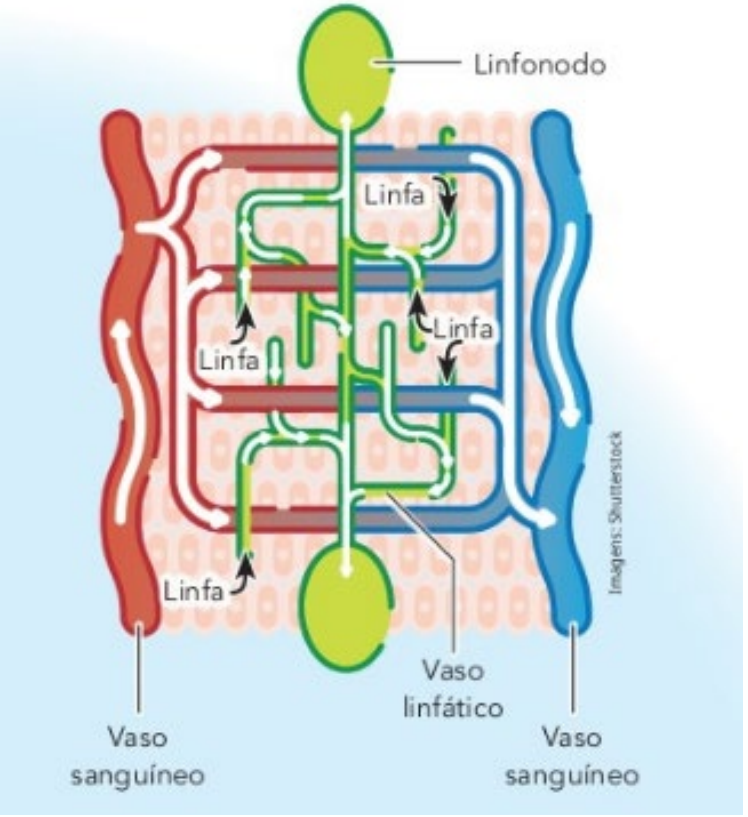


Imunologia– Conceitos Básicos

Sistema Linfático

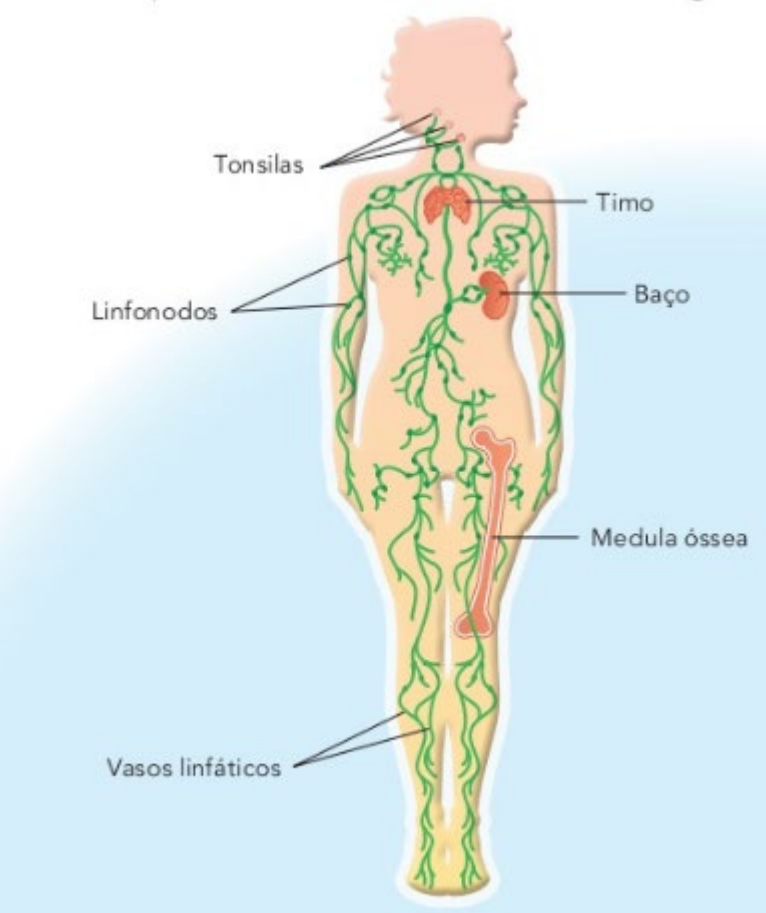


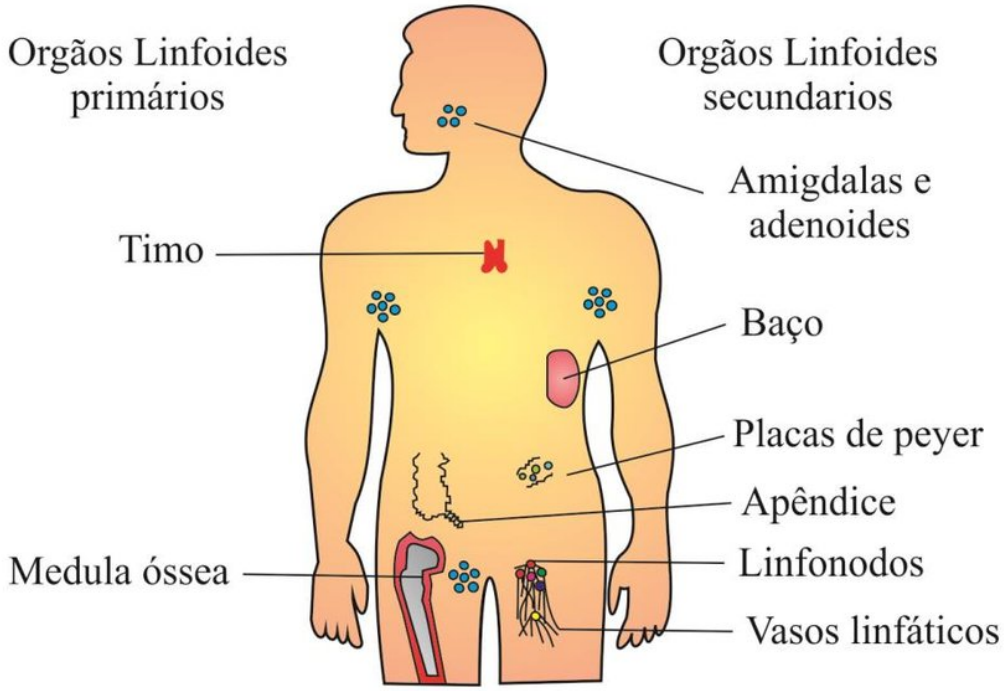




Imunologia– Conceitos Básicos

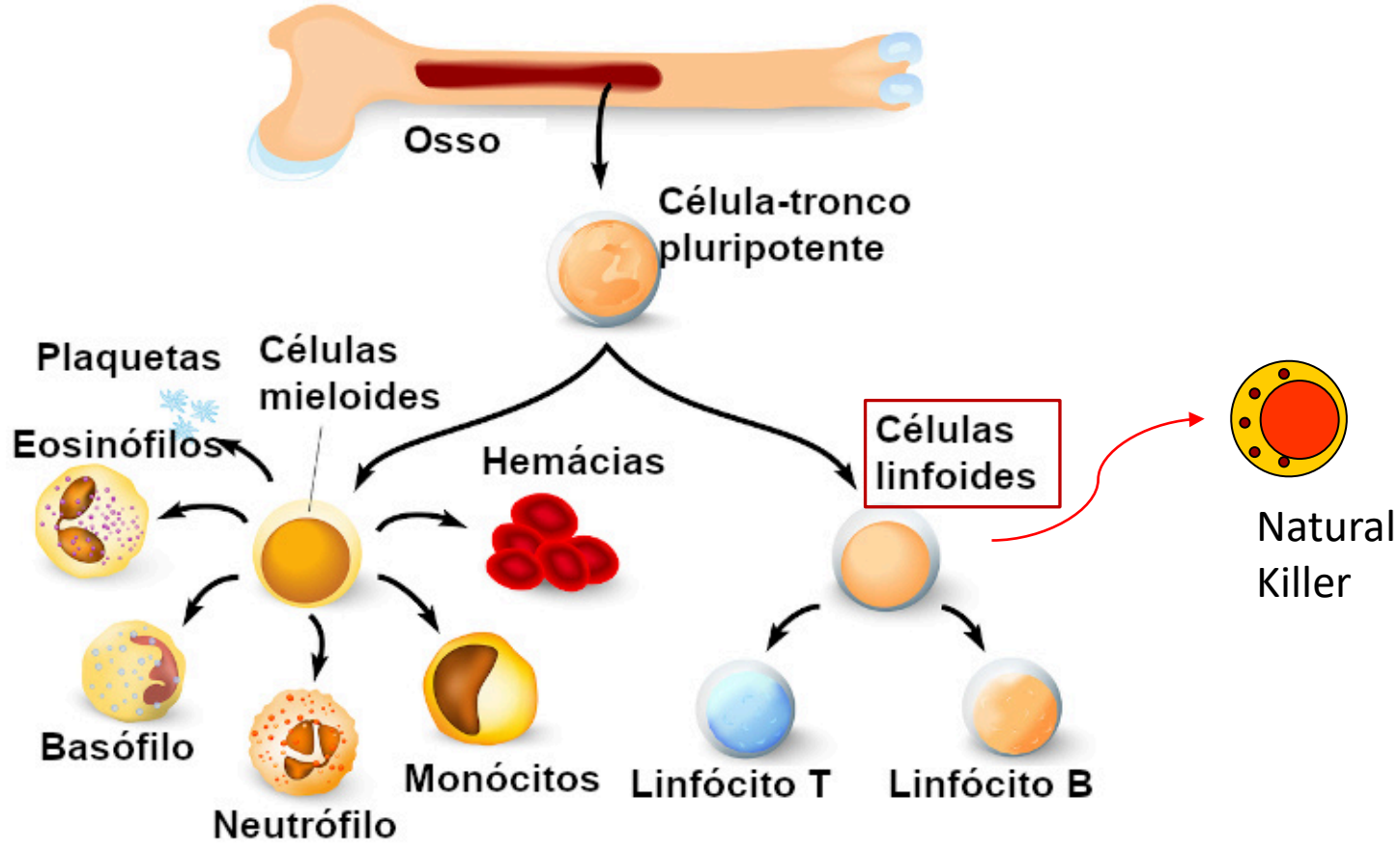
Sistema Imune





Imunologia– Conceitos Básicos

Resposta Inespecífica/Inata – Leucócitos fagocitários



Imunologia– Conceitos Básicos

Resposta Inespecífica/Inata -

- Primeira linha de ação
- Macrófagos, Neutrófilos – fagocitose
- NK – células tumorais

Imunologia– Conceitos Básicos

Resposta Inespecífica/Inata -

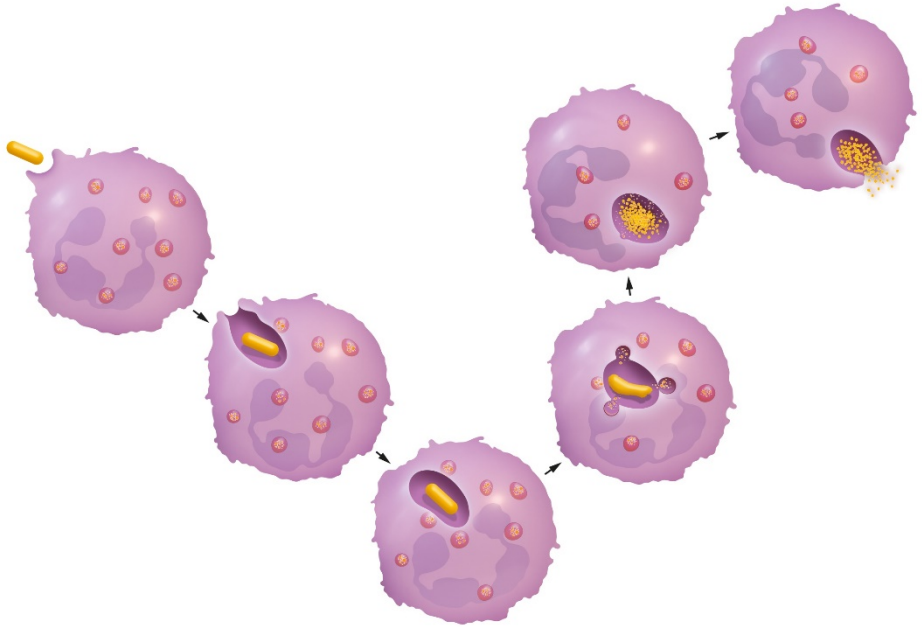
- Primeira linha de ação
- Macrófagos, Neutrófilos – fagocitose
- NK – células tumorais/Viroses

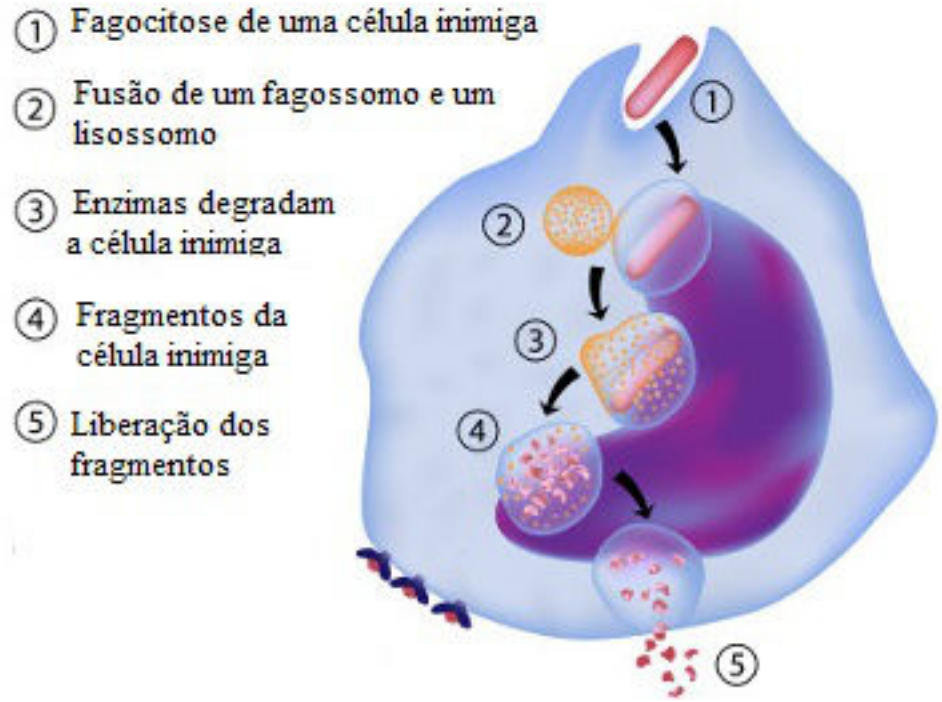


Imunologia– Conceitos Básicos

Resposta Inespecífica/Inata -

- Macrófagos, Neutrófilos – fagocitose

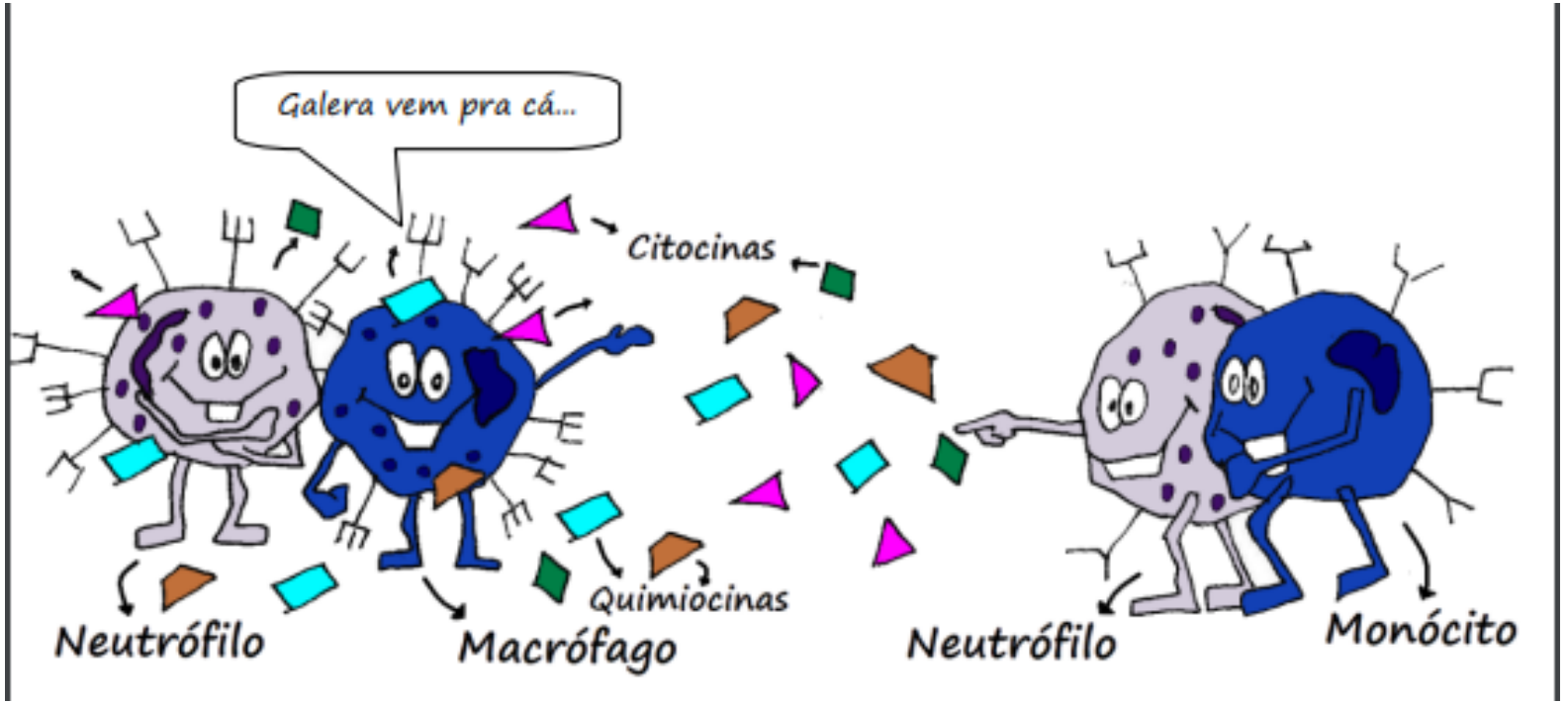




Imunologia– Conceitos Básicos

Resposta Inespecífica/Inata -

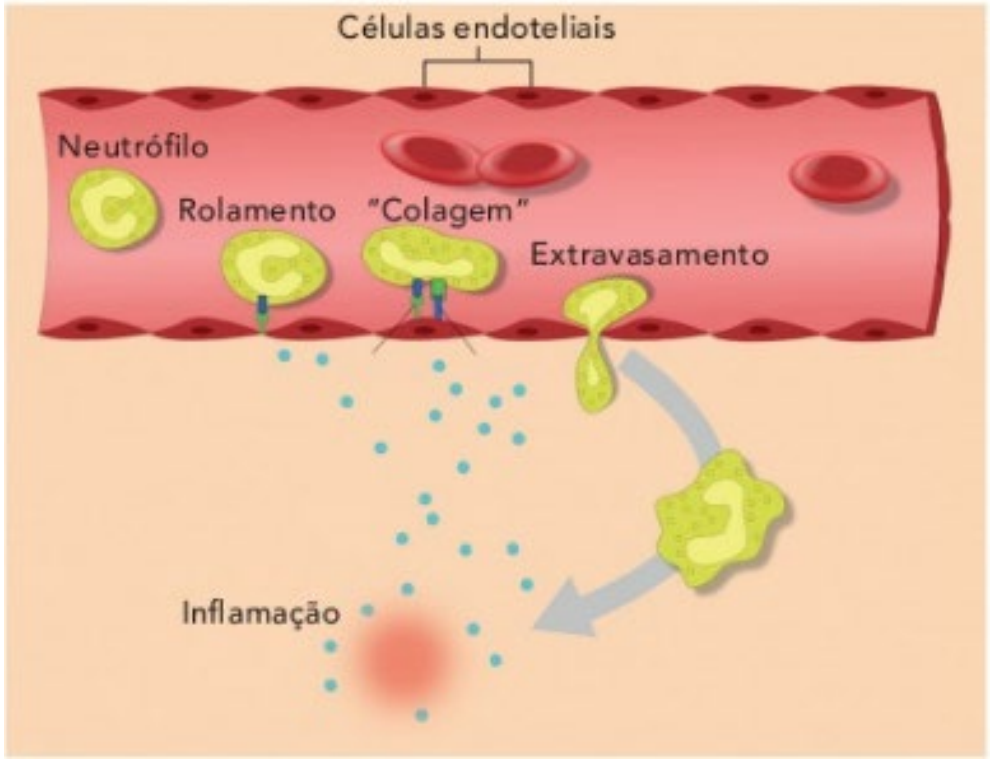
- Citocinas & Quimiocinas

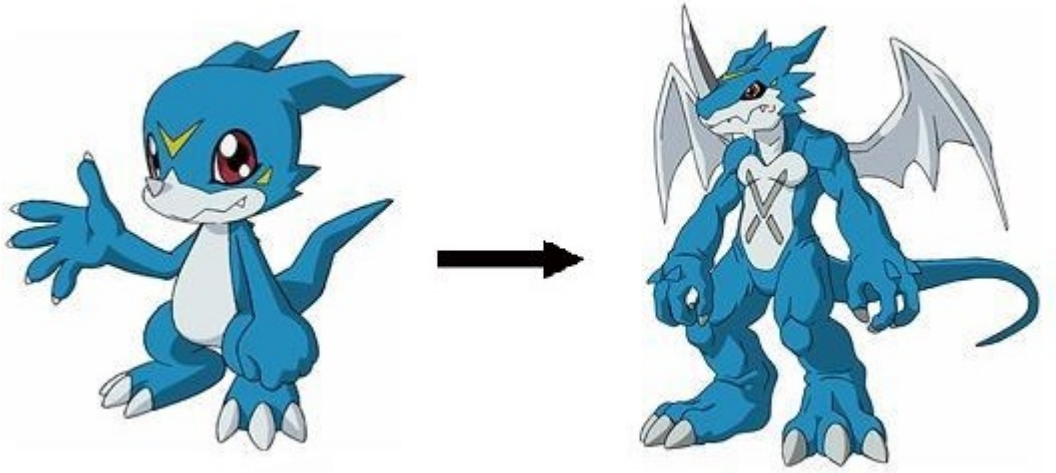


Imunologia– Conceitos Básicos

Resposta Inespecífica/Inata -

- Citocinas & Quimiocinas





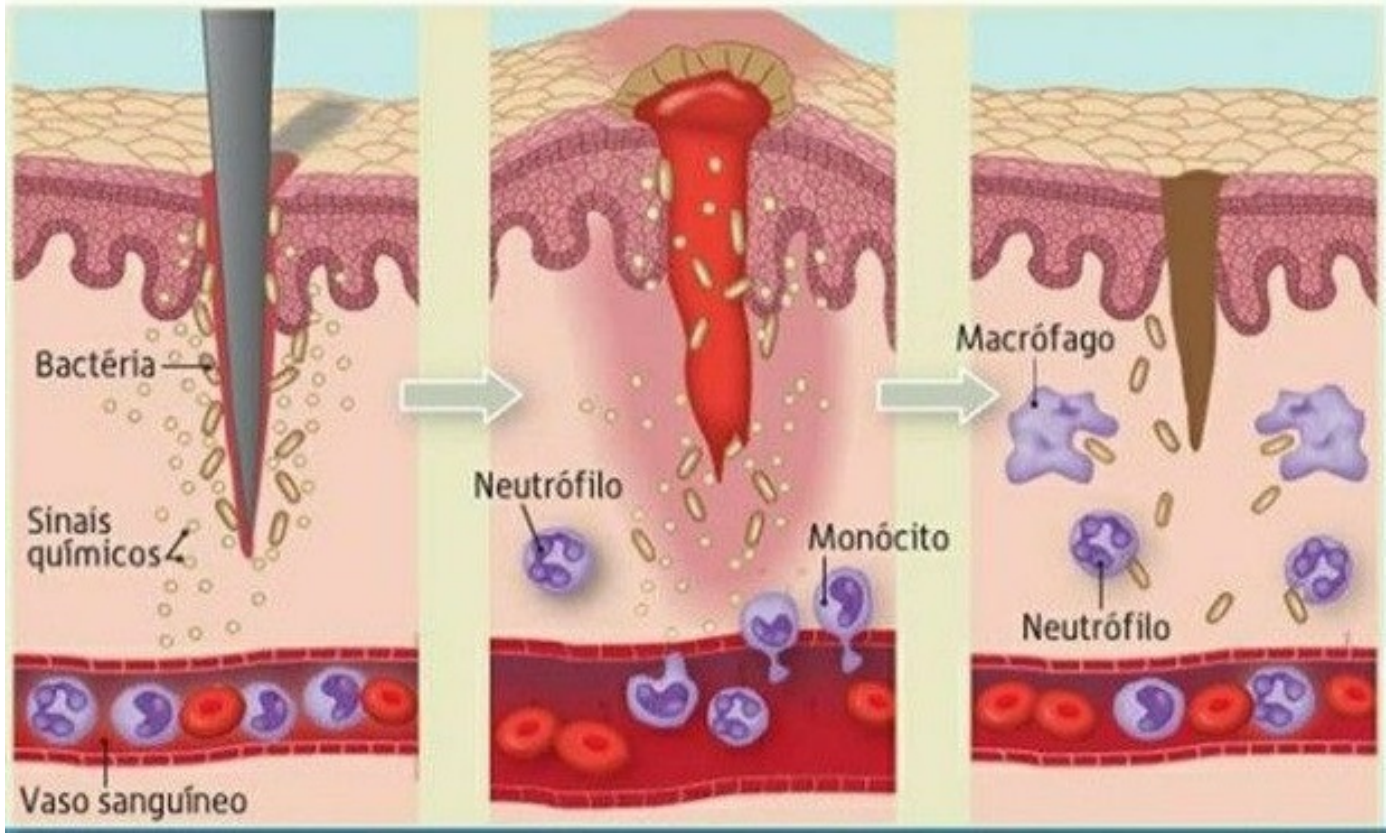
Monócito

Macrófago

Imunologia– Conceitos Básicos

Resposta Inespecífica/Inata -

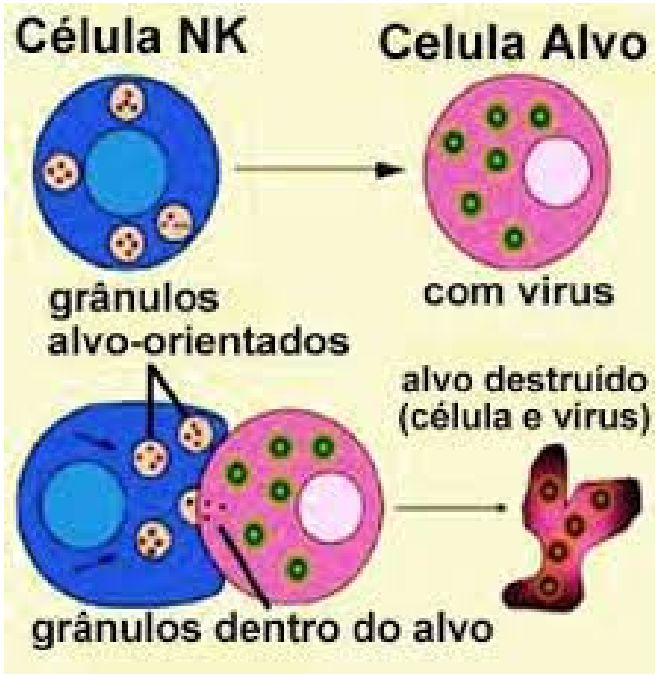
- Inflamação
  - Eritema
  - Edema
  - Calor
  - Dor

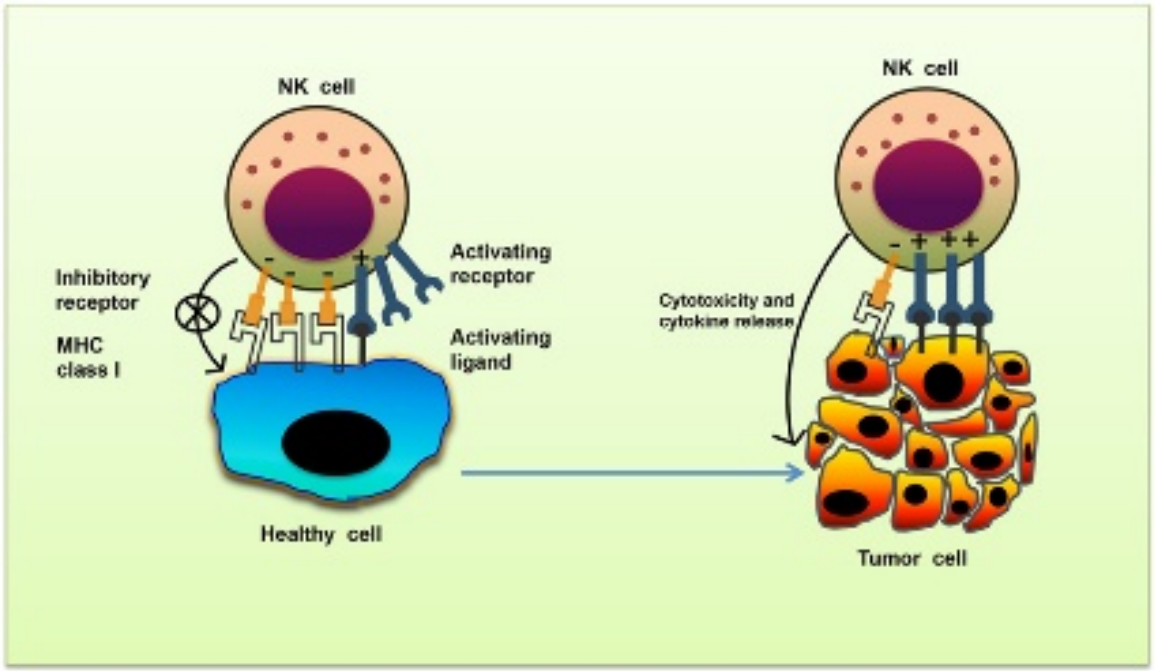


Imunologia– Conceitos Básicos

Resposta Inespecífica/Inata -

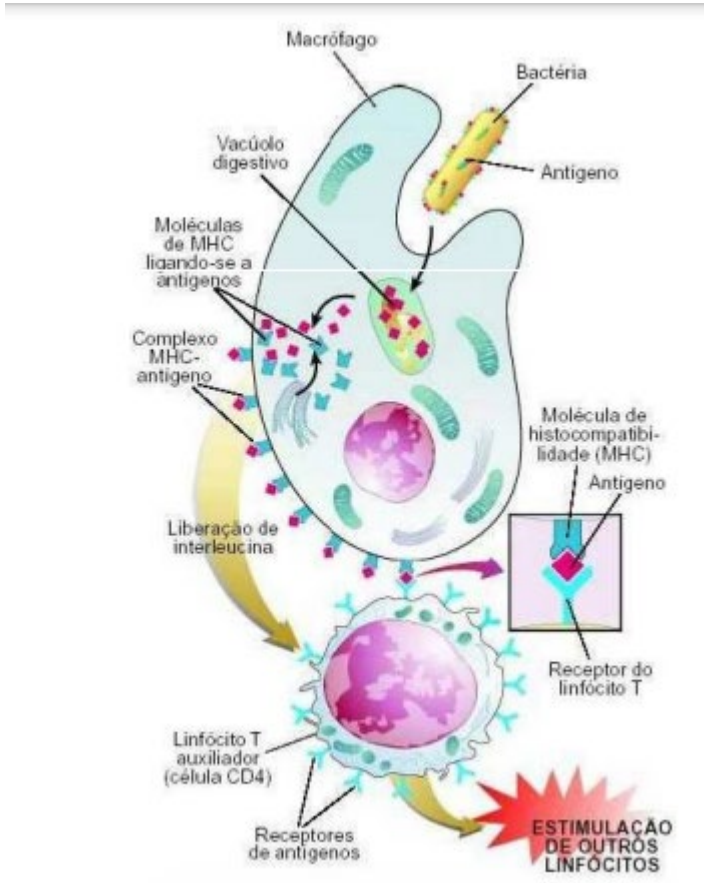
- Natural Killer - NK

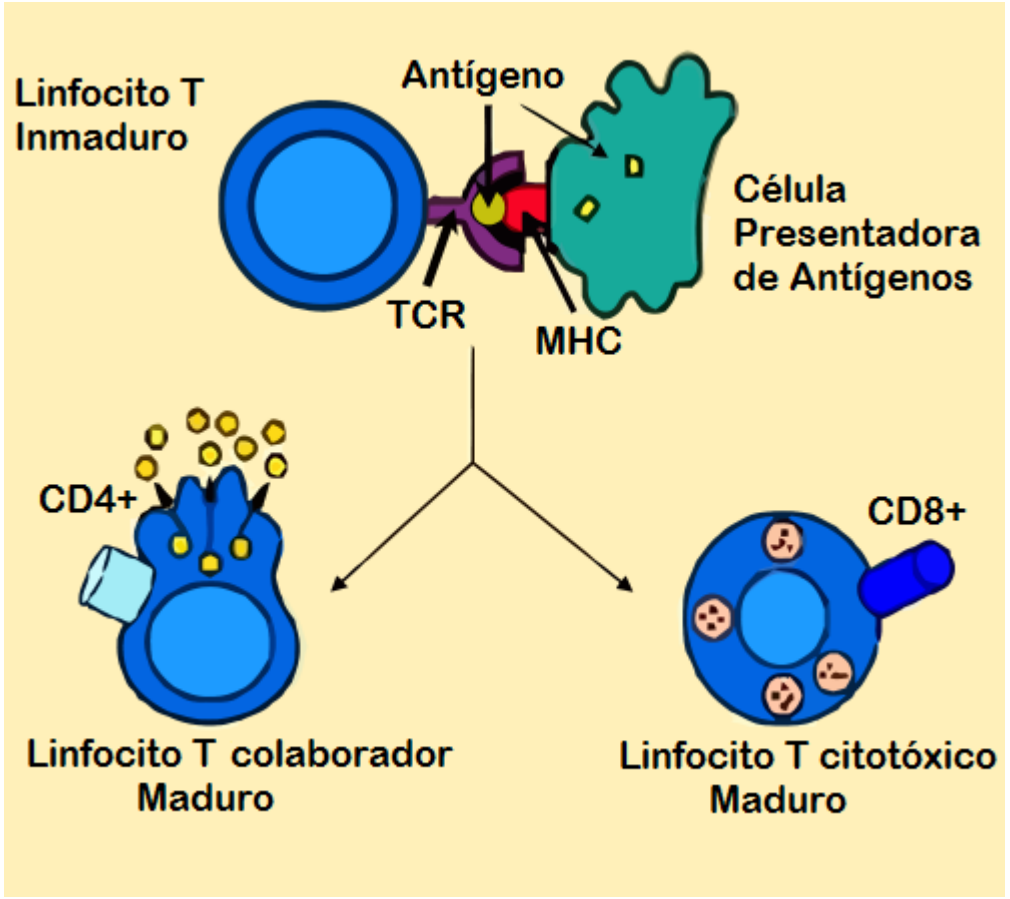




Imunologia– Conceitos Básicos

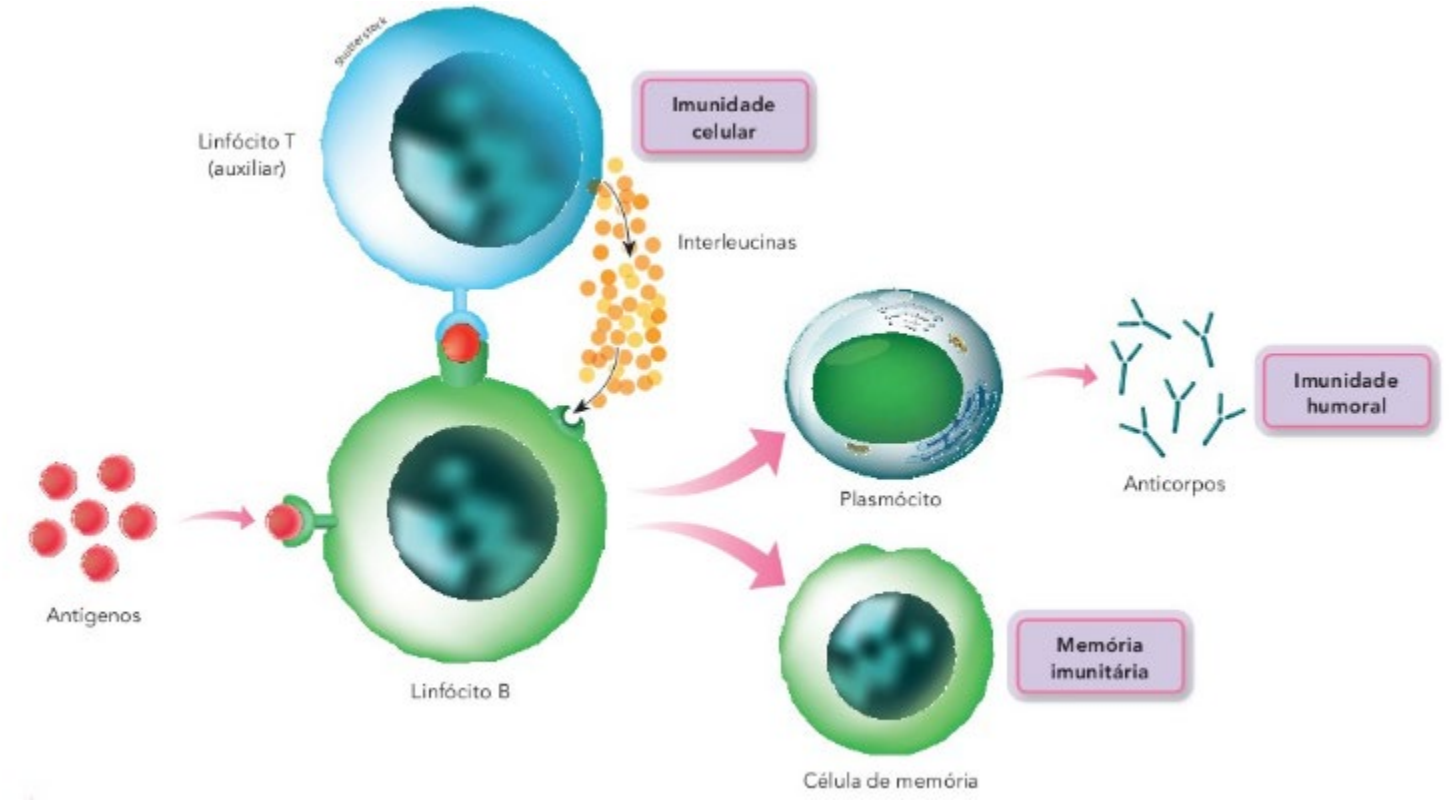
Resposta Específica /Adaptativa - Celular





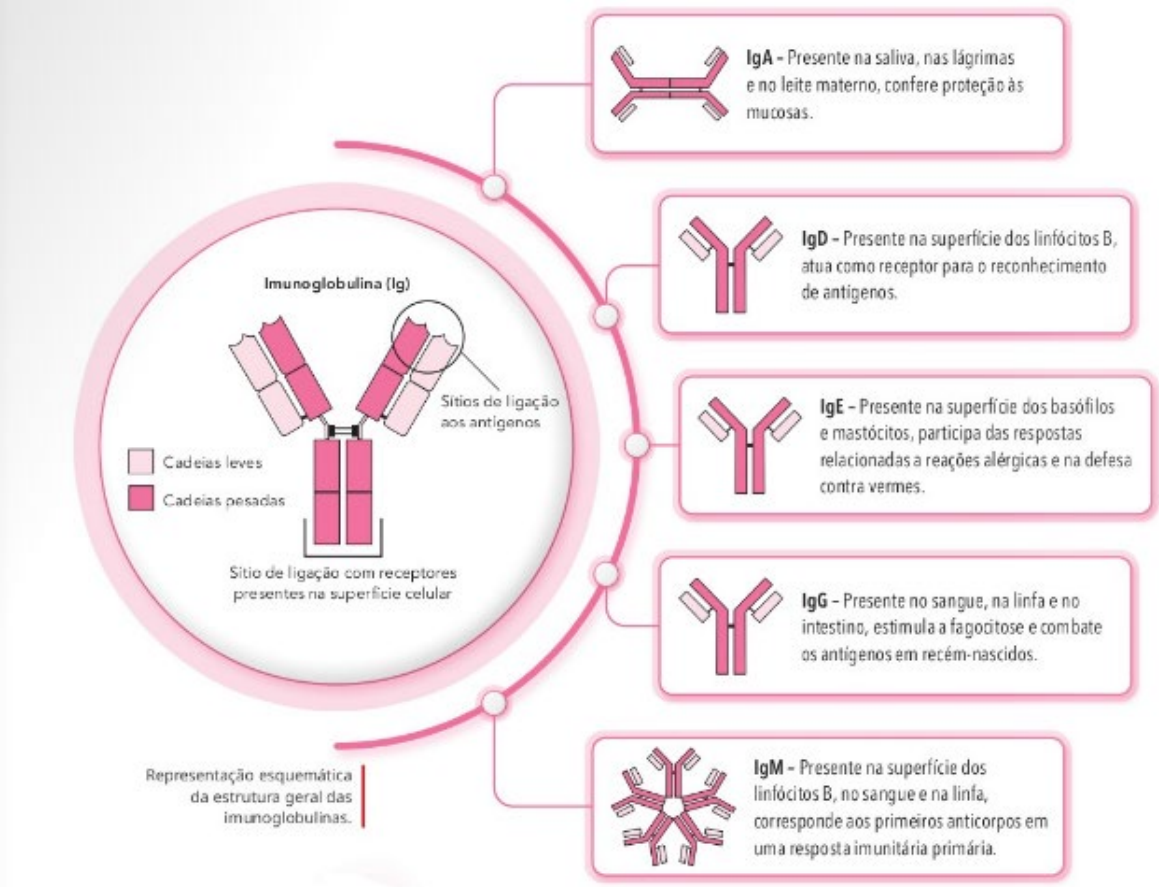
Imunologia– Conceitos Básicos

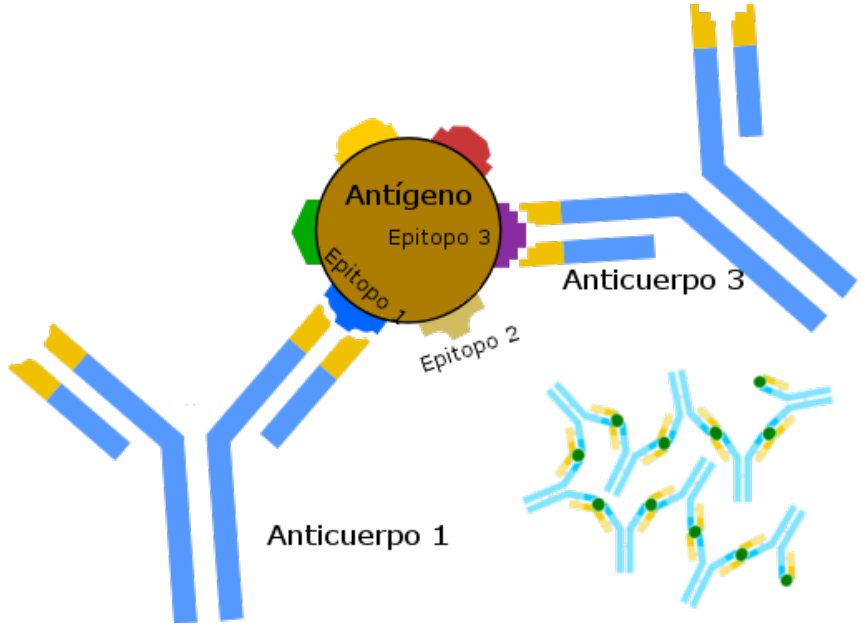
Resposta Específica /Adaptativa - Celular



Imunologia– Conceitos Básicos

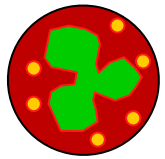
Resposta Específica /Adaptativa - Humoral





Imunologia– Conceitos Básicos

Resposta imunitária

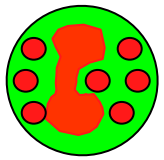


Neutrófilo

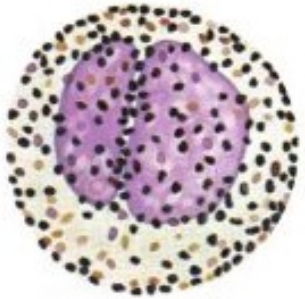


Localização: sangue (migram para os tecidos)

Principais funções: fagocitose, citotoxicidade mediada por anticorpos



Basófilo

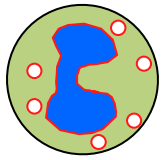


Localização: sangue (migram para os tecidos)

Principais funções: liberação de grânulos contendo histamina e outros agentes ativos

Imunologia– Conceitos Básicos

Resposta imunitária

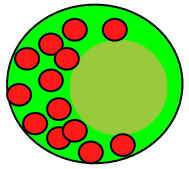


Eosinófilo



Localização: sangue (migram para os tecidos)

Principais funções: fagocitose, citotoxicidade mediada por anticorpos
(parasitas grandes)



Mastócito

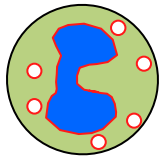


Localização: sangue (migram para os tecidos)

Principais funções: liberação de grânulos contendo histamina, heparina e outros agentes ativos

Imunologia– Conceitos Básicos

Resposta imunitária

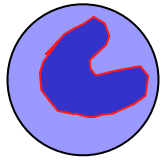


Eosinófilo



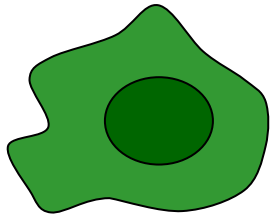
Localização: sangue (migram para os tecidos)

Principais funções: fagocitose, citotoxicidade mediada por anticorpos
(parasitas grandes)



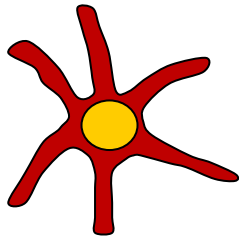


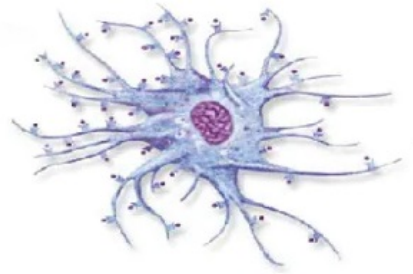
Monócito



Macrófago



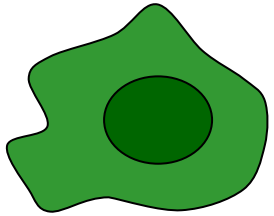


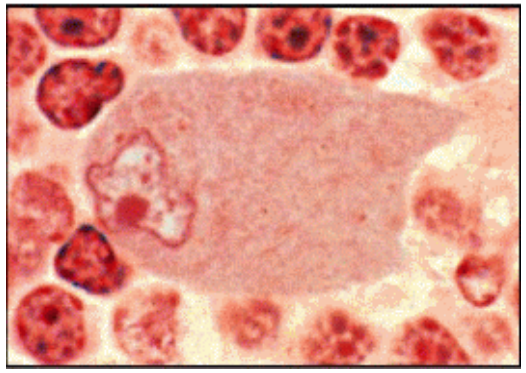


Célula dendrítica

Imunologia– Conceitos Básicos

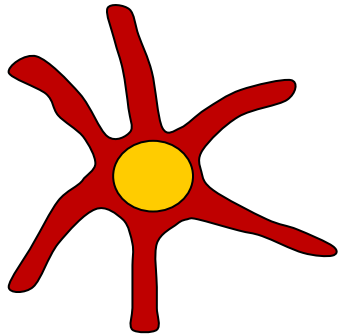
Resposta imunitária

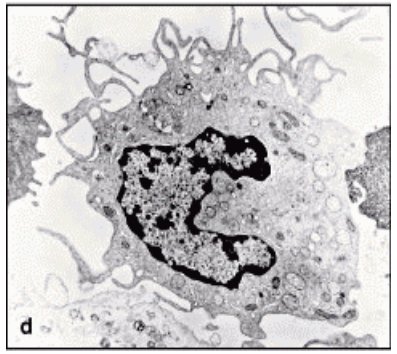




Localização: tecidos

Principais funções: fagocitose, apresentação de antígenos



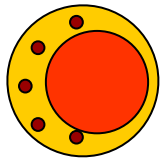


Localização: tecidos (órgãos linfóides)

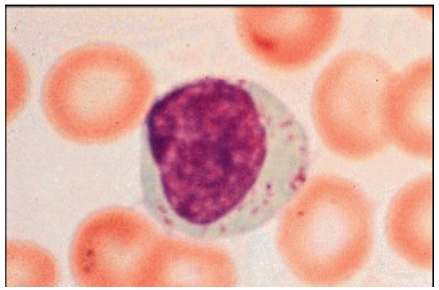
Principais funções: apresentação de antígenos

Imunologia– Conceitos Básicos

Resposta imunitária

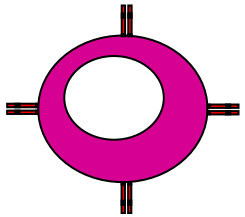


Células
Natural Killer

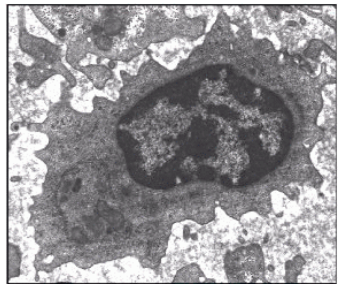


Localização: sangue e fígado

Principais funções: liberação de grânulos que matam células infectadas por vírus e células tumorais, citotoxicidade mediada por anticorpos, ativação de macrófagos

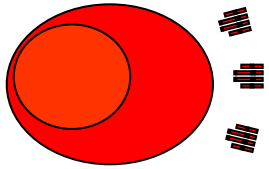


Linfócito T



Localização: órgãos linfóides e sangue (migram para os tecidos)

Principalis funções: Respostas imunes adaptativas, citotoxicidade, ativação de fagócitos e linfócitos B, regulação das respostas imunes



Linfócito B



Localização: órgãos linfóides e sangue

Principalis funções: respostas imunes adaptativas, produção de anticorpos, apresentação de antígenos

Imunologia– Conceitos Básicos

Tipos de resposta imunitária

- Inata
  - Fagocitárias – macrófagos e neutrófilos
  - Alérgicas – eosinófilos e basófilos
  - Barreiras físicas
- Adquirida
  - Linfócitos “T” – imunidade celular
    “B”- imunidade humoral

Imunologia– Conceitos Básicos

Tipos de resposta imunitária

- Memória imunitária



Imunologia– Conceitos Básicos

Tipos de resposta imunitária

- Imunidade Ativa X Passiva

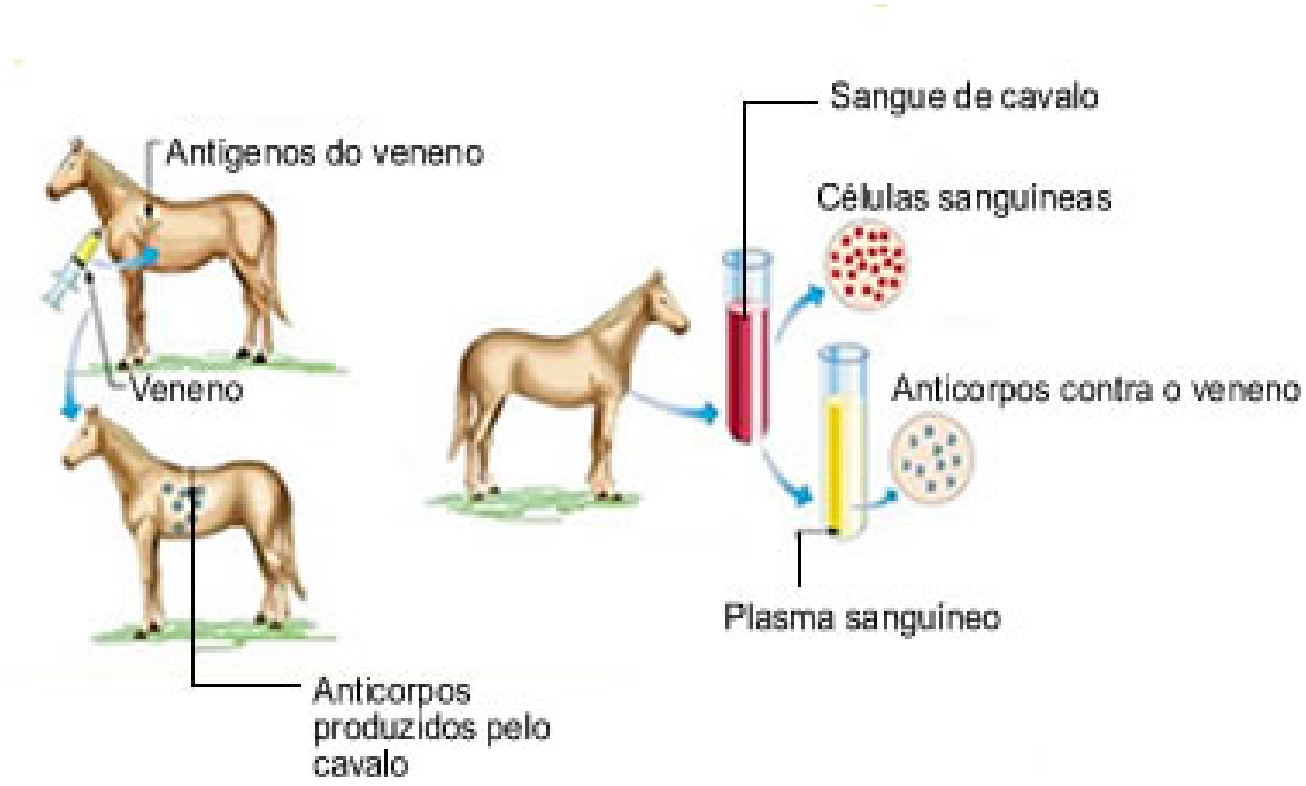




Imunologia– Conceitos Básicos

Tipos de resposta imunitária

- Soro



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