Day 6 Immuno logy

Monocytes Macrophage

- o ~5% of WBC o migrates into tissues & become macrophages o short life span of 1-7 days

Tissue-resident macrophages

- or (monocytes)—cannot be differentiated from each other
- · have self-renewal capacity -> can maintain stable nos
- · assume specialised phenotypes, depending on the organ, e.g., Kupter cells, alveolar macrophages, microglial cells
- MI effection cells That eliminate pathogens > M2 inhibitory cells that help in tissue remodelling, repair, and tumor growth

Functions of macrophages

> Toll-like recepton - recognises IPS in bactera

→ Complement receptor - recognises antigen complement → Phagocytosis inclucer - phosphaticylserine receptor

	Mast Cells
O	derived from bone-movious-mature only after leaving blood
0	most abundant in skin and mucosal epithelia
o	Content of granules:
	Wight aming
	2 Acidic proteoglycans 3 can synthesize and release cytokines & inflammate lipid mediators
	3 can synthesize and release cutokines & inflammate
	lipid mediators
0	most cells express high-affinity plasma memberane receptores for IgE
	receptores for IDE
	coals most cells -> cross-linking
	with antigen /allergen
	coals most cells -> cross-linking with antigen fallengen > Most cell activation
Q	Why would the body not treat allergens like a regular
7	antigen? Why IgE?
	The allergen does not differ from regular antigens - except
	The allergen does not differ from regular antigens—except that it triggers Igt response instead of IgG and
	79M.
	U
	Basophile
0	least abundant genanulocyte (<1%)
0	least abundant genanulocyte (< 1%) immediate hypersensitivity disonders + autoimmune disonder

differentiate from Myeloid Stem Cells under IL-3

4 Tblood versel permeability

granule contains histamine

	Eosinophila
0	granular leuk ocytes (polymorphonuckar) defense against multicellular parasitic organisms how do they recognise? bind to antibody-coated parasite through surface- E receptors -> degranulate on parasite's surface
o	défense against multicellular parasitic organisms
	how do they successive?
	bind to antibody-coated parasite through surface-
	E receptore -> degranulate on parasités surface
	Contents of granule;
	Deroxides
	2 major basic protein 3 histaminase
	3 histaminase
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