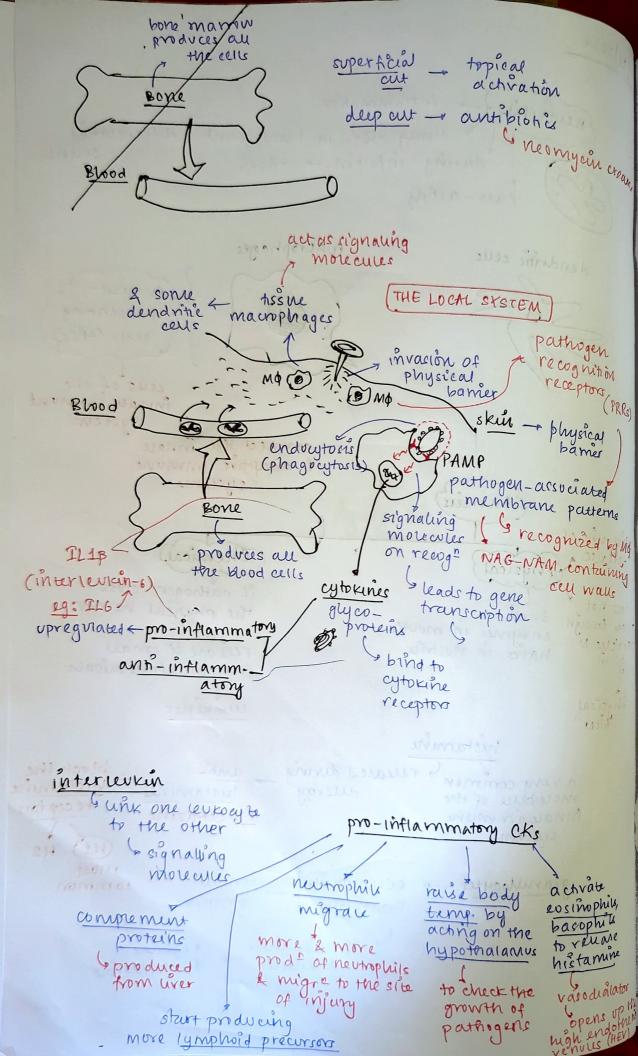
15/01/20.24 neutrophiles - inflammation alway >50% in blood wunt (differential during infection - >800/0 fast-acting dendrihe cells macrophages Antigenpresenting ceus (APCs) ceus of the innate immune system connect the innate & adaptive immune systems: first wire of. defence Chemicae, Physica 5 Minagal H. if pathogen cross does not Skur Mon foreign the physical barner enzymes in mouth particles to pro-inflations hairs in nustrile 90 IN release of small molicules/ che micals physical Fiter ytokines histamine a very common & released during block the allergy mole dule of the histamine histaminer innate immune receptors eg: cetrazine system. eveninpliky. contaun most granulocytes co mmon granules bousphile J release there release granuer histanunes



cherry attraction of the pathogen it is required to food overwhelms ex chemocine receptor inform the the innate system on Deels adaptive system , lys orome chenrokunes - produced thru
efferent vesicles phagosome of ymph nodes phagolysonme D- APCs - large surf. kus the bacteria licensing of & chops them up to enter Cymphatic dendritic ceus small pieces now CAN DO CAN act as untigens presented (MHCS) on the surface of MA *- naire lymphocytes - they have not seen any pathogen. MHC-II MHC-I D @ MO after B-cell action, migrate the matrice Lymph 250 here nodes Bones Dark whe mamow Light(precureous double-T-cells negative naive Thymus cells different" & activat= CD8+ cD4+ on the surface, medula T-cell receptors Light zone Tc (TCR) & CD parawrex B-cells diff " of T cells generic receptors reamangemente T-helper somatic cells cyto toxic hypermut? celle (TH) D cells (Tc) offer antigens_ affinity / achive of directly epecificity to the B cells u'ght rone B-clus selection ku the & Ab prod 2 pathogens production of 3-ceus specific antinot so willed by bodies - specific Abs thuse ceus apoptosis survive class switching > plasma alls boold all cells more out extravasation (vaniants memory of Ab-prod. cells

antibodies
the help mi
comprement
proteins neutralization opsonization 351101031 omprement the activity of Abs innate system comprement proteins assist on bacterial immune system attack surface complexes immune system SHANNED