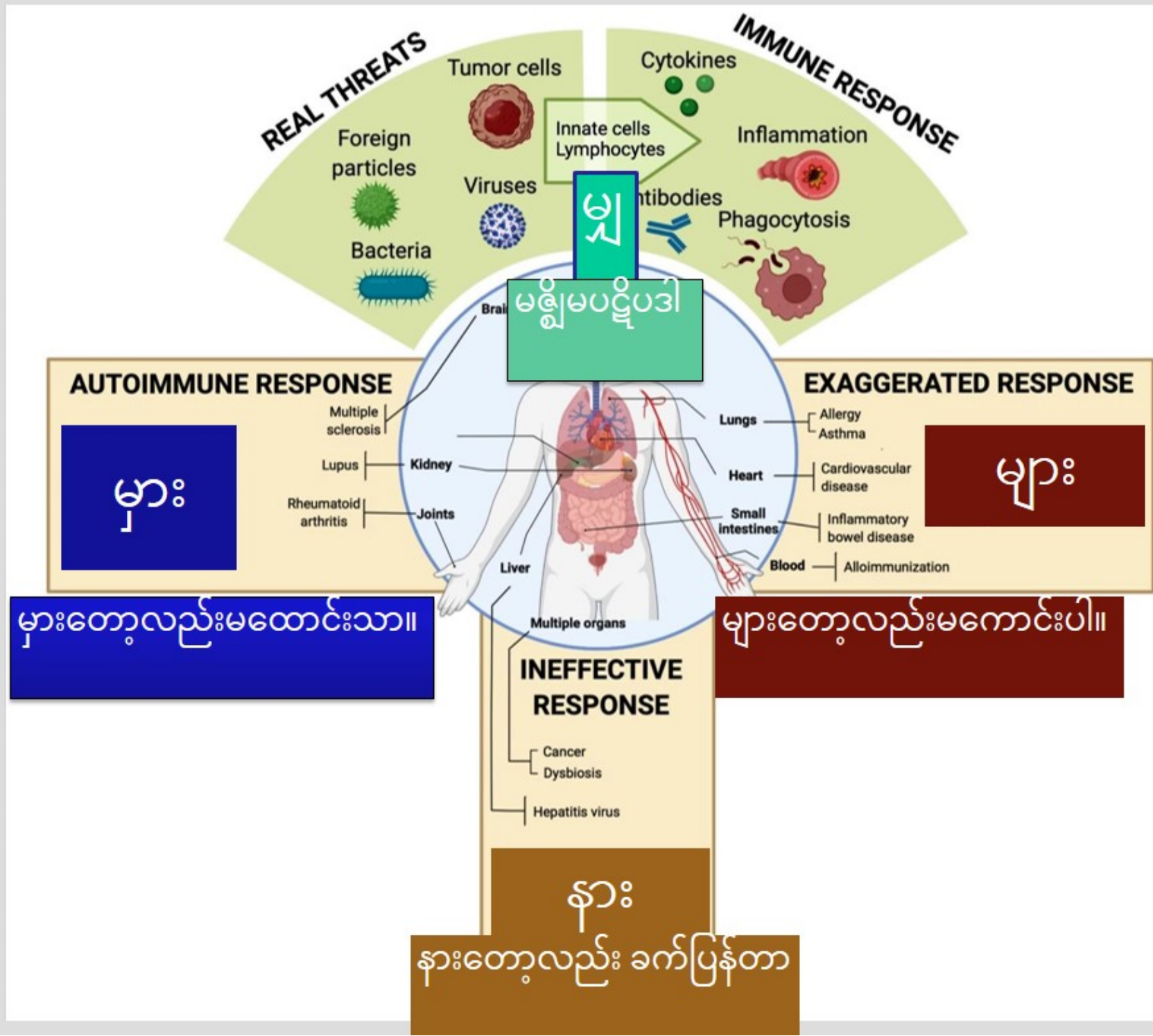
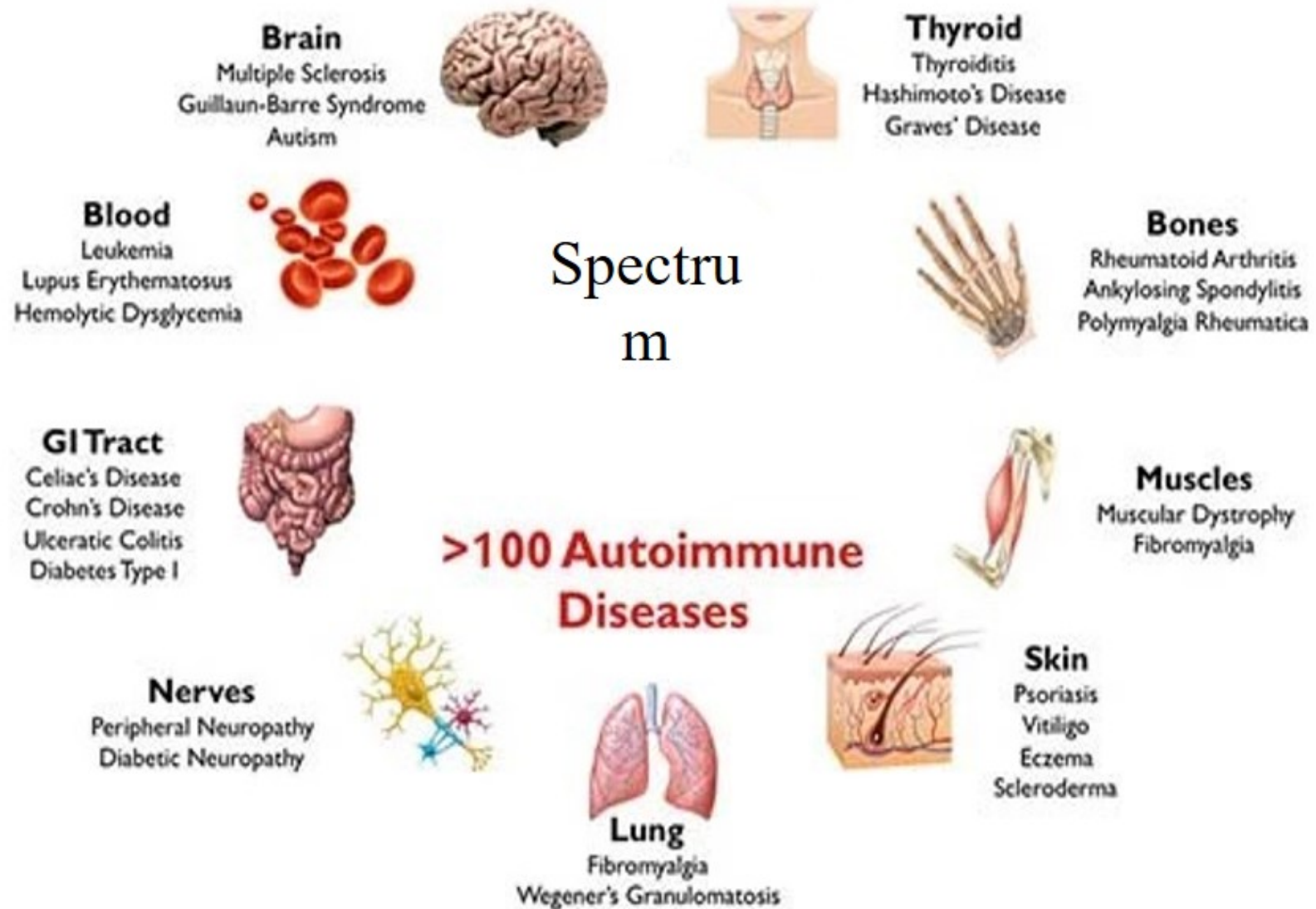




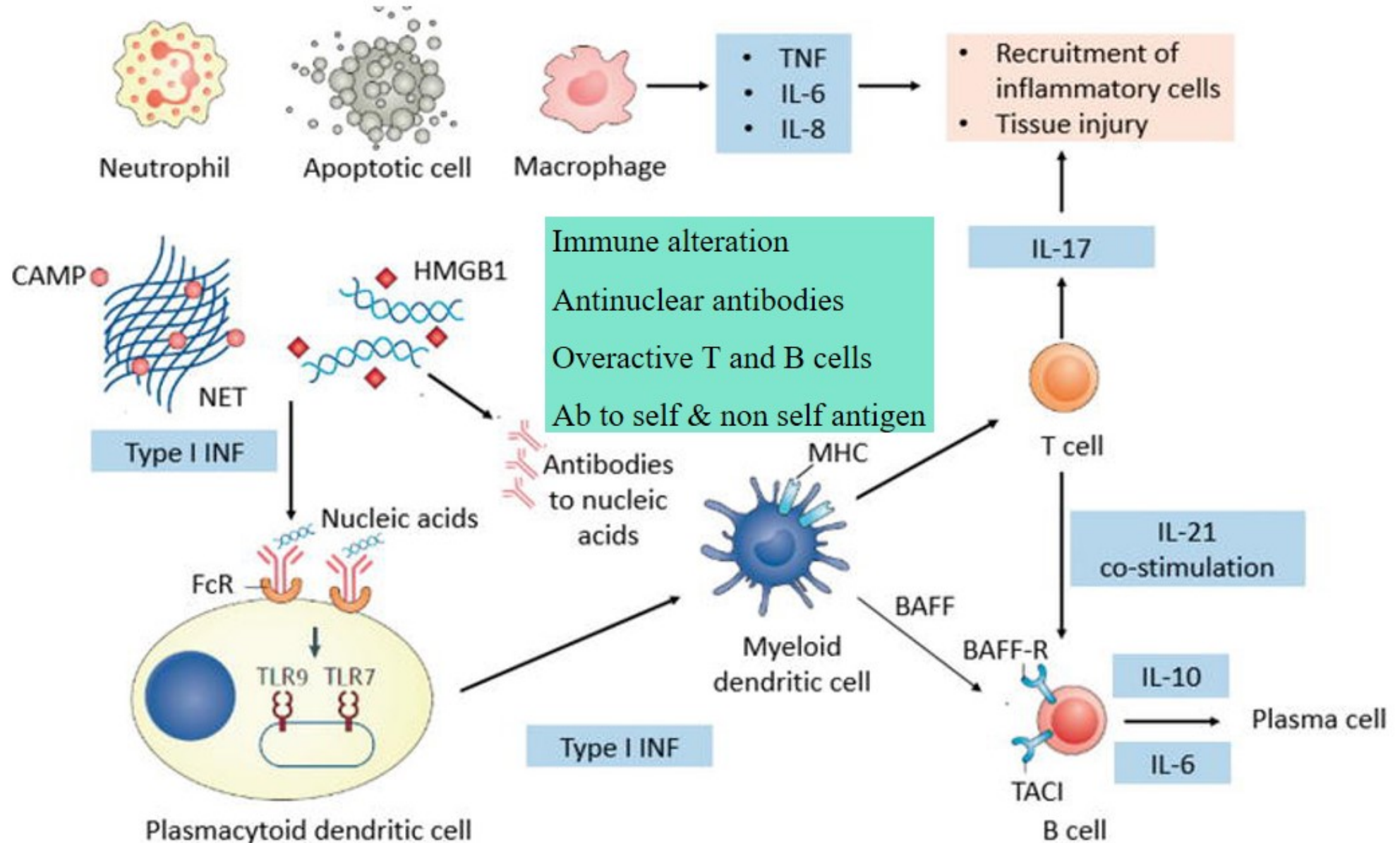
What is the role of immunity in
different diseases?



Autoimmune Diseases

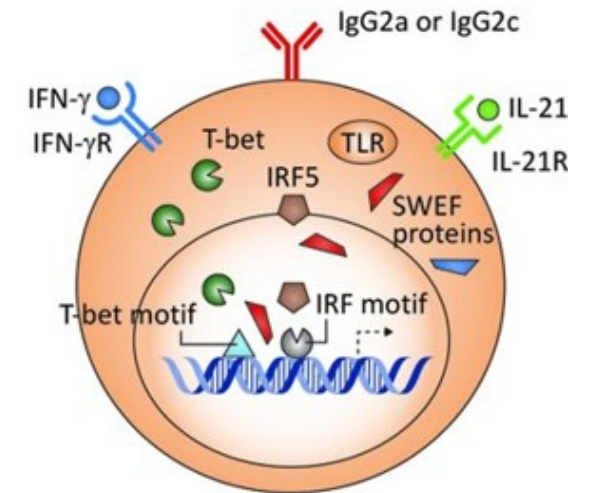
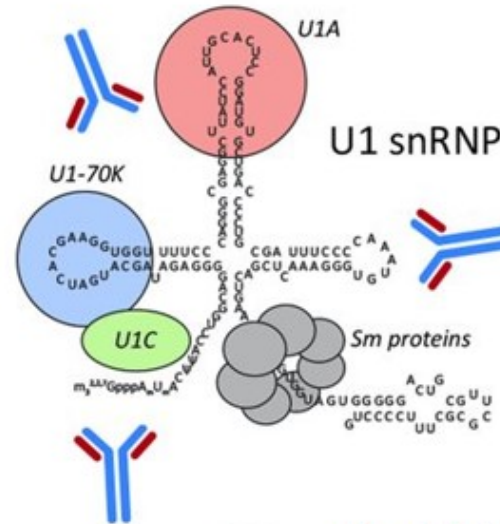
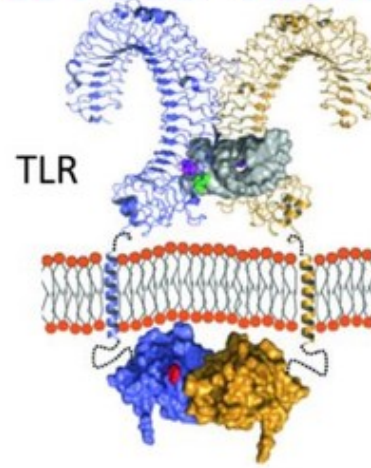


Immune Deregulation in SLE Pathogenesis



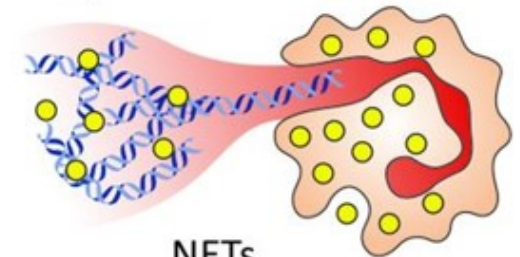
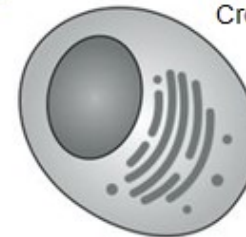
Tsokos, G., Lo, M., Reis, P. *et al.* New insights into the immunopathogenesis of systemic lupus erythematosus

SLE Pathogenesis and Immunity

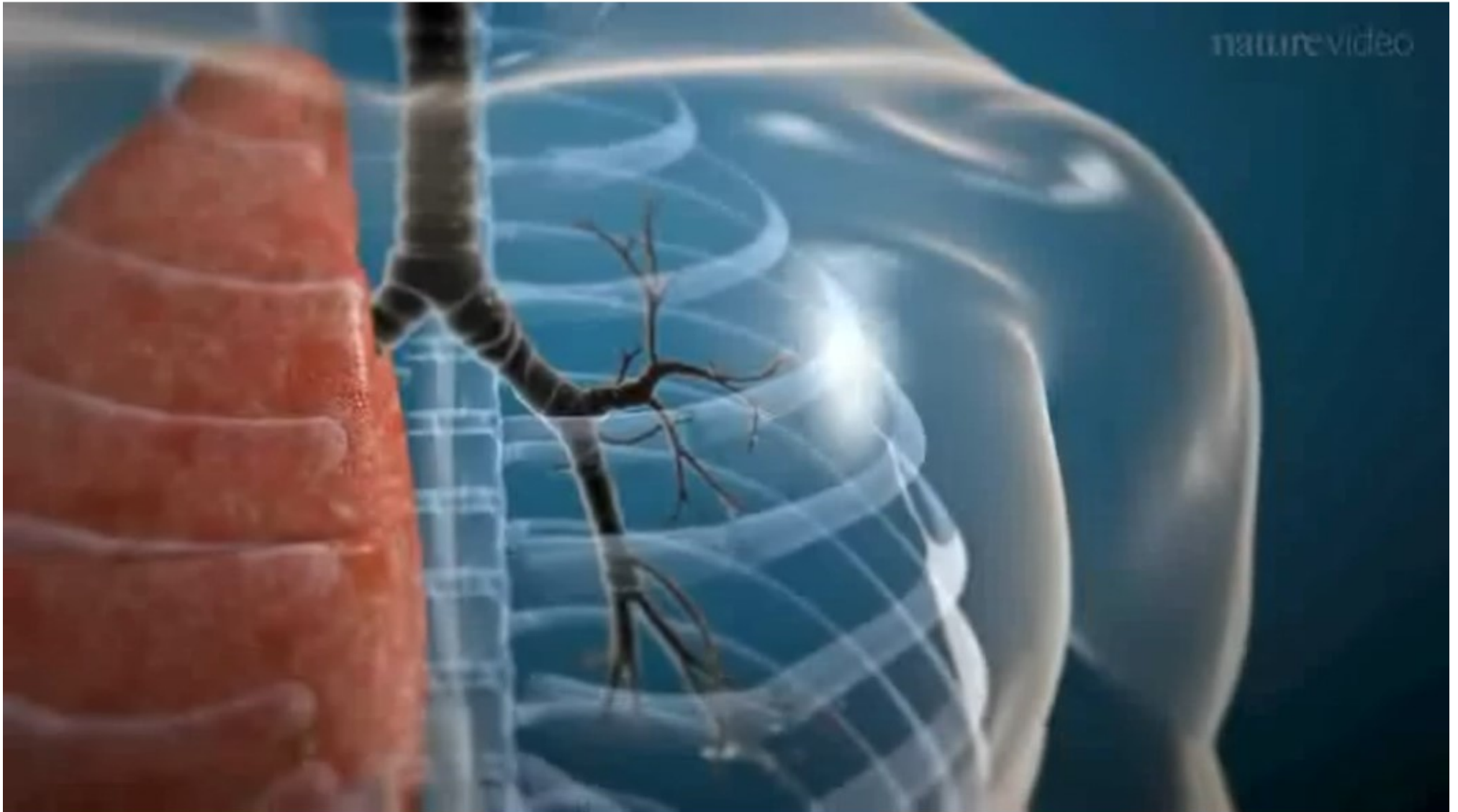


Resting ABC

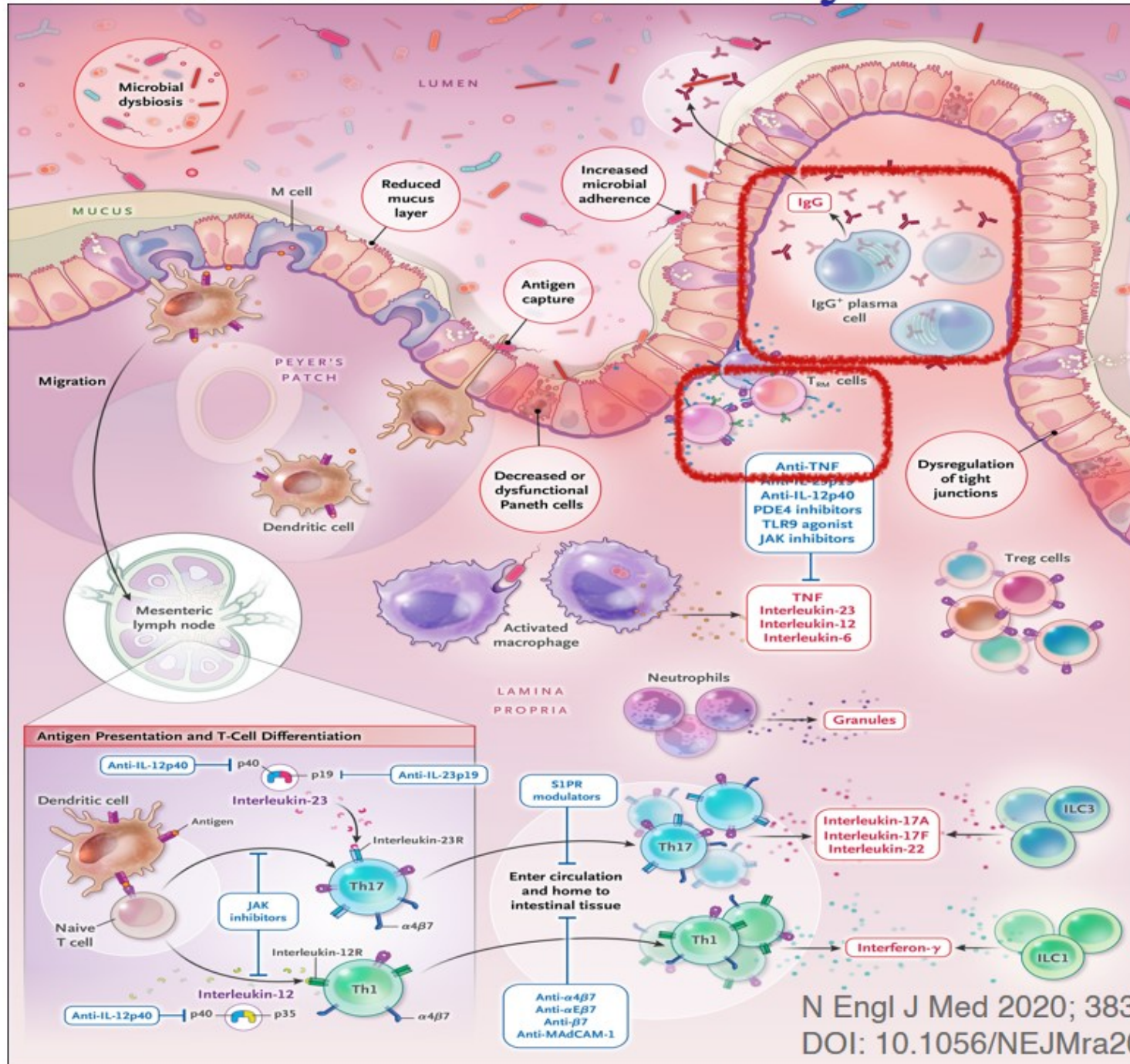
Crow MK. *Ann Rheum Dis* 2023;**82**:999–1014.



Asthma Pathogenesis and Immunity



Intestinal Mucosal Immune System in IBD

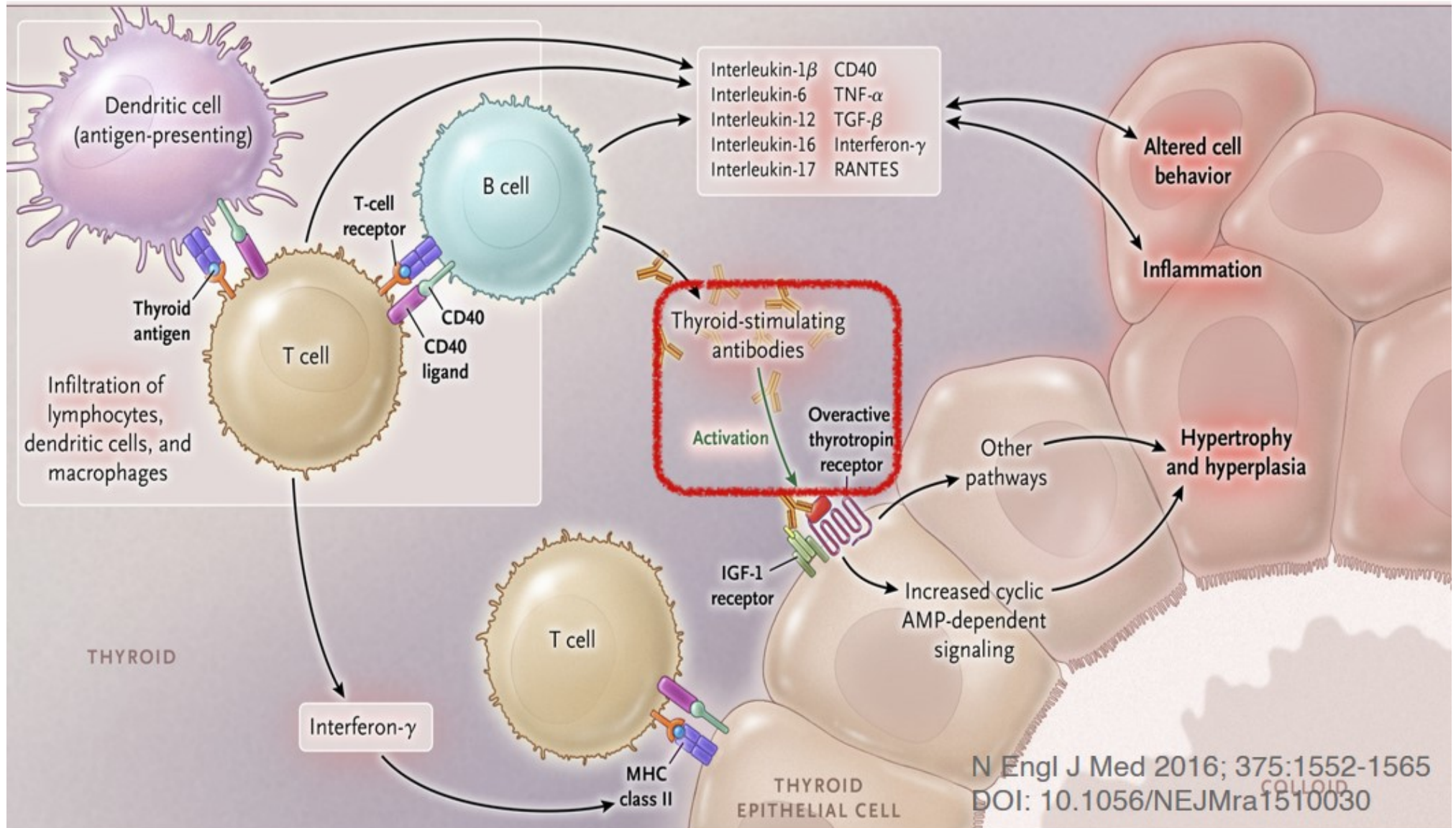


RA Pathogenesis and Immunity



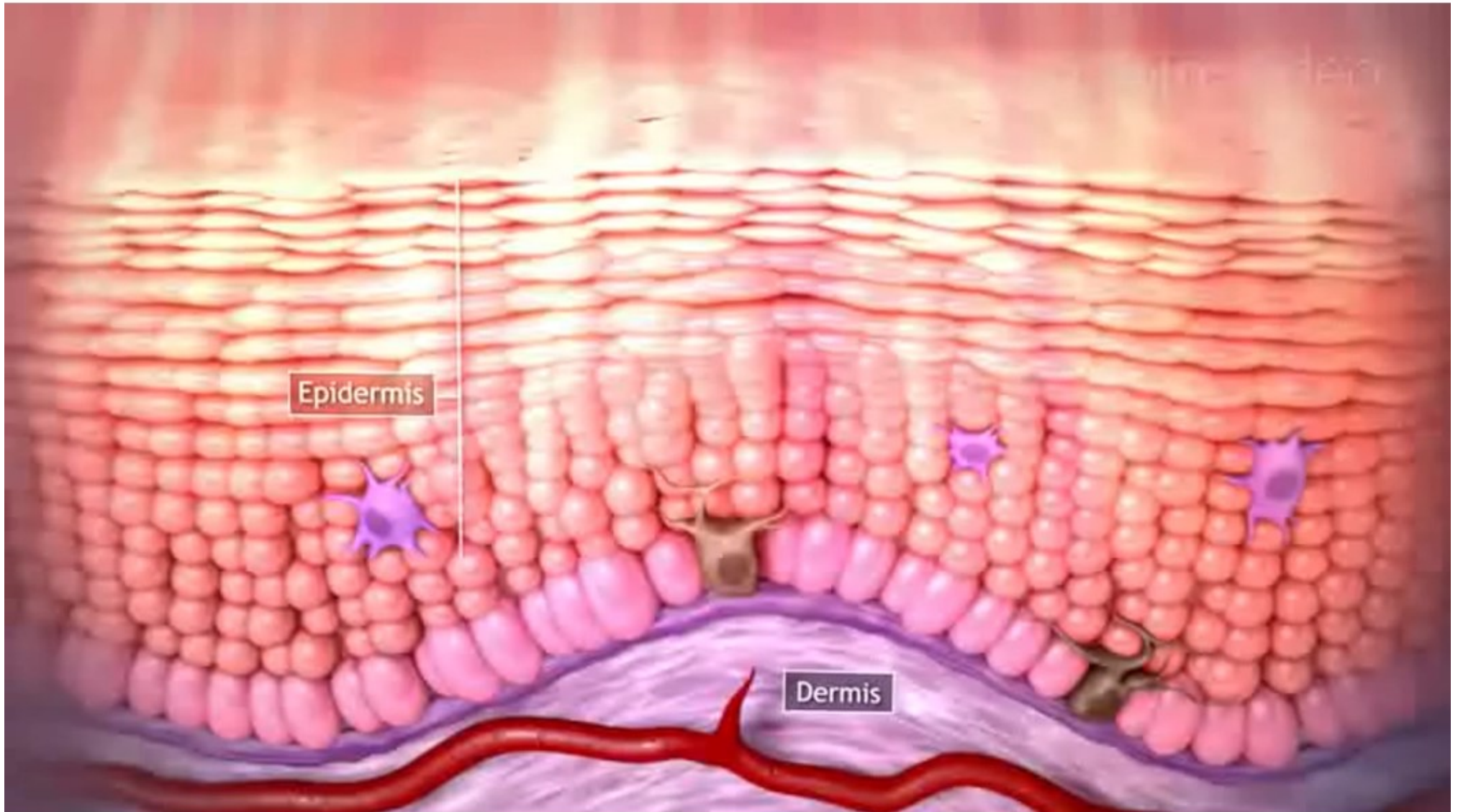
Immunology of the rheumatoid joint

Graves Disease



N Engl J Med 2016; 375:1552-1565
DOI: 10.1056/NEJMra1510030

Cancer Pathogenesis and Immunity



Summary

Immune response(Anti-infective, Anti-tumour)

Microbes

Effectors

Tcell(Th1,Th17)Bcell,DC

Receptors
CD28,CD40

Mediators

Il12,IFNr,IFN alpha

Mediators
TGF beta,IL10

Self antigens

Receptors
PD-1,CTLA 4

Regulators

T(reg)B(reg),DCreg

Immune Regulation (Attenuation of autoimmune response)