

UNIVERSIDAD DEL SURESTE

ESCUELA DE MEDICINA



Mapa mental

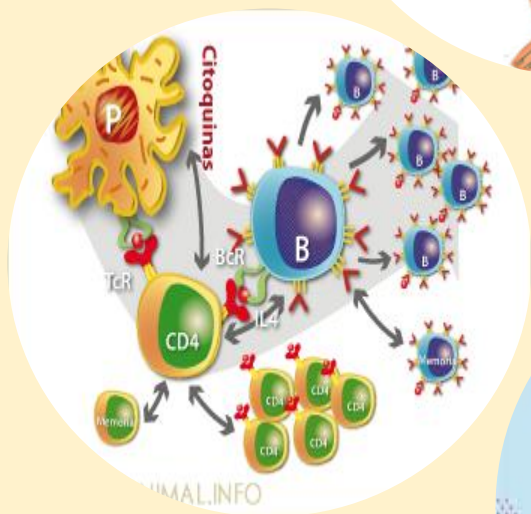
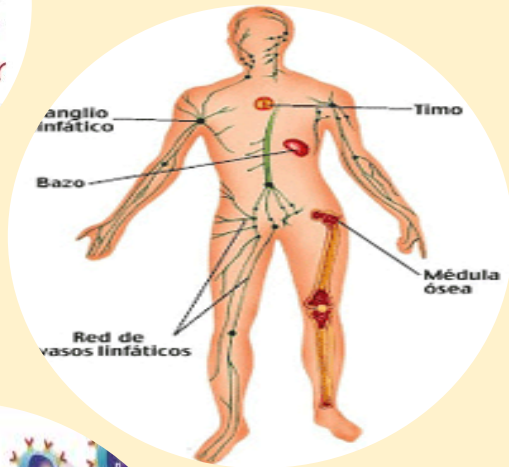
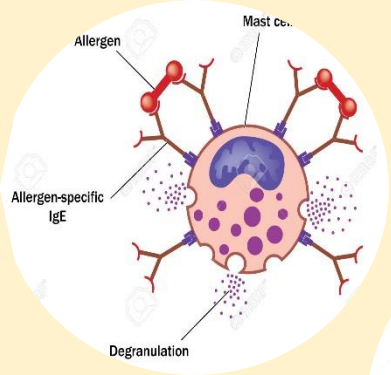
Dr. Aguilar Indili Julliscer De Jesus

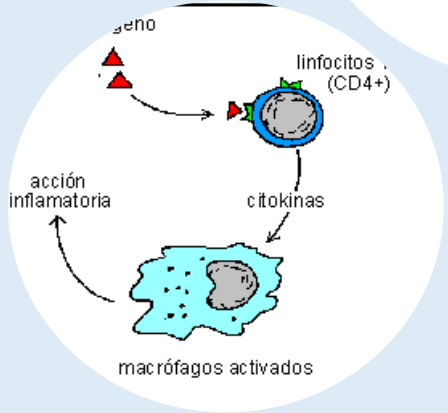
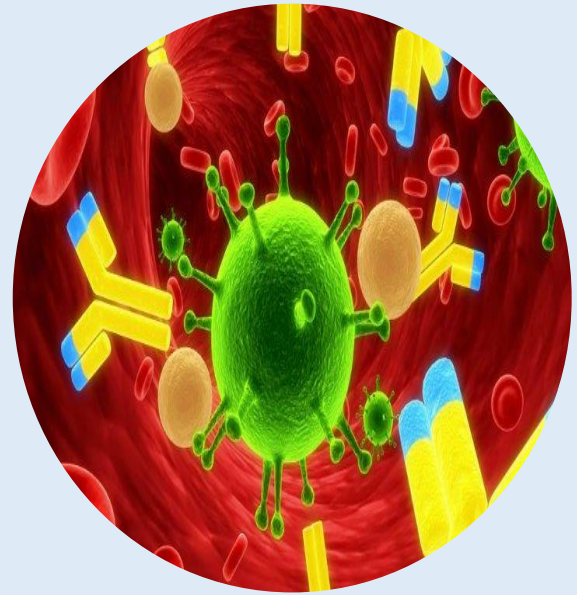
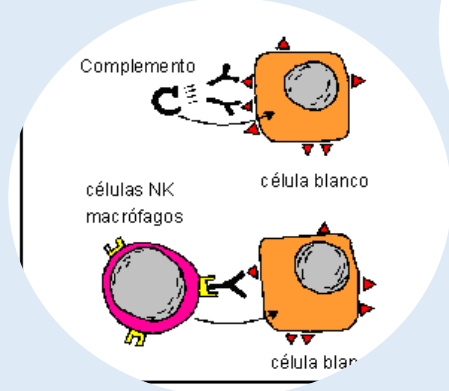
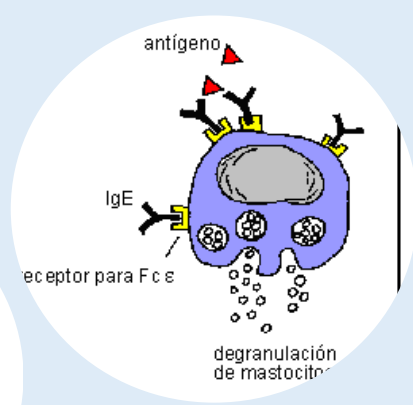
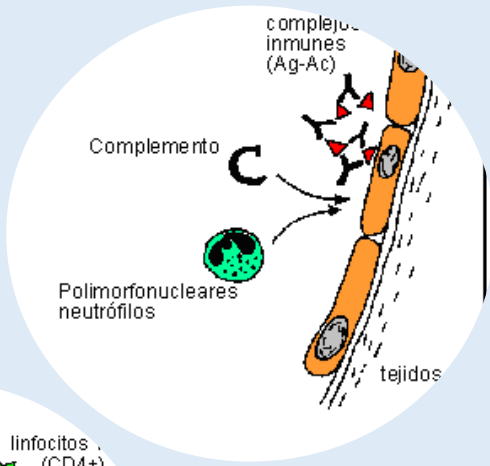
“4to” semestre grupo “B”

Inmunologia

Nymssi Michelle Gonzales Requena

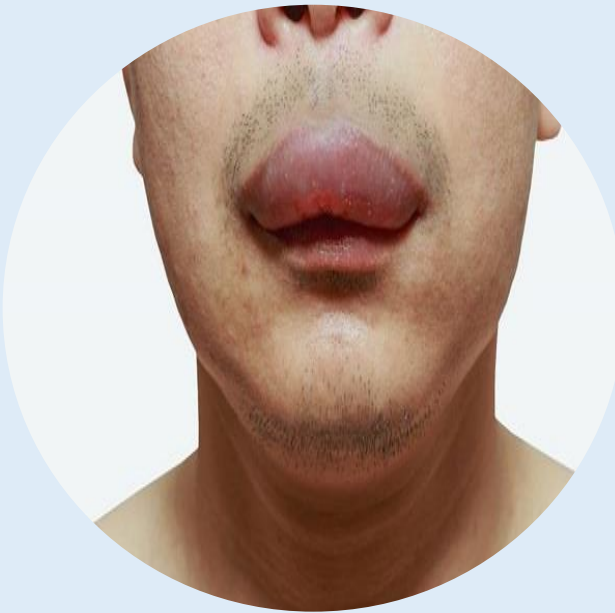
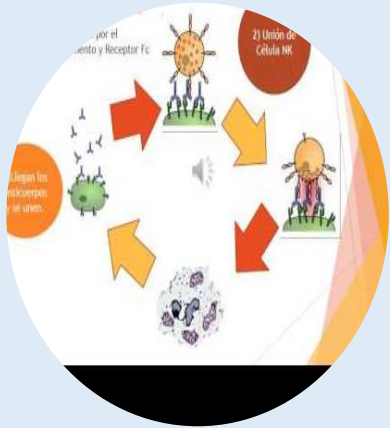
Comitán de Domínguez, chis. 12 de junio del 2020





Hipersensibilidad

	Th1	Th2	Th17	Th22	Treg	Th17.1	Th17.2	Th17.3	Th17.4	
Antígeno	Protein antigen	Cell wall associated antigen	Toxin antigen	Soluble antigen	Soluble antigen presented by cells or direct T cell stimulation	Soluble antigen presented by cells or direct T cell stimulation	Soluble antigen presented by cells or direct T cell stimulation	Cell-associated antigen or direct T cell stimulation	Soluble antigen presented by cells or direct T cell stimulation	
Adaptador cells	MHC class II	MHC class II (APC)	MHC class II (APC)	MHC class II (APC)	MHC class II (APC)	MHC class II (APC)	MHC class II (APC)	MHC class II (APC)	MHC class II (APC)	
Cellular markers	CD4, CD80/86, CD134, CD137, CD137L, CD138, CD160, CD226, CD276	CD4, CD80/86, CD134, CD137, CD137L, CD138, CD160, CD226, CD276	CD4, CD80/86, CD134, CD137, CD137L, CD138, CD160, CD226, CD276	CD4, CD80/86, CD134, CD137, CD137L, CD138, CD160, CD226, CD276	CD4, CD80/86, CD134, CD137, CD137L, CD138, CD160, CD226, CD276	CD4, CD80/86, CD134, CD137, CD137L, CD138, CD160, CD226, CD276	CD4, CD80/86, CD134, CD137, CD137L, CD138, CD160, CD226, CD276	CD4, CD80/86, CD134, CD137, CD137L, CD138, CD160, CD226, CD276	CD4, CD80/86, CD134, CD137, CD137L, CD138, CD160, CD226, CD276	
Key cytokines	IFN-γ, IL-2, IL-12	IL-4, IL-5, IL-6, IL-10, IL-13	IL-17, IL-17A, IL-17F, IL-17C, IL-17E, IL-17H, IL-17K, IL-17L, IL-17M	IL-22, IL-22A, IL-22B, IL-22C, IL-22D, IL-22E, IL-22F, IL-22G, IL-22H, IL-22I, IL-22J, IL-22K, IL-22L, IL-22M, IL-22N, IL-22O, IL-22P, IL-22Q, IL-22R, IL-22S, IL-22T, IL-22U, IL-22V, IL-22W, IL-22X, IL-22Y, IL-22Z	IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, IL-16, IL-17, IL-18, IL-19, IL-20, IL-21, IL-22, IL-23, IL-24, IL-25, IL-26, IL-27, IL-28, IL-29, IL-30, IL-31, IL-32, IL-33, IL-34, IL-35, IL-36, IL-37, IL-38, IL-39, IL-40, IL-41, IL-42, IL-43, IL-44, IL-45, IL-46, IL-47, IL-48, IL-49, IL-50, IL-51, IL-52, IL-53, IL-54, IL-55, IL-56, IL-57, IL-58, IL-59, IL-60, IL-61, IL-62, IL-63, IL-64, IL-65, IL-66, IL-67, IL-68, IL-69, IL-70, IL-71, IL-72, IL-73, IL-74, IL-75, IL-76, IL-77, IL-78, IL-79, IL-80, IL-81, IL-82, IL-83, IL-84, IL-85, IL-86, IL-87, IL-88, IL-89, IL-90, IL-91, IL-92, IL-93, IL-94, IL-95, IL-96, IL-97, IL-98, IL-99, IL-100	IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, IL-16, IL-17, IL-18, IL-19, IL-20, IL-21, IL-22, IL-23, IL-24, IL-25, IL-26, IL-27, IL-28, IL-29, IL-30, IL-31, IL-32, IL-33, IL-34, IL-35, IL-36, IL-37, IL-38, IL-39, IL-40, IL-41, IL-42, IL-43, IL-44, IL-45, IL-46, IL-47, IL-48, IL-49, IL-50, IL-51, IL-52, IL-53, IL-54, IL-55, IL-56, IL-57, IL-58, IL-59, IL-60, IL-61, IL-62, IL-63, IL-64, IL-65, IL-66, IL-67, IL-68, IL-69, IL-70, IL-71, IL-72, IL-73, IL-74, IL-75, IL-76, IL-77, IL-78, IL-79, IL-80, IL-81, IL-82, IL-83, IL-84, IL-85, IL-86, IL-87, IL-88, IL-89, IL-90, IL-91, IL-92, IL-93, IL-94, IL-95, IL-96, IL-97, IL-98, IL-99, IL-100	IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, IL-16, IL-17, IL-18, IL-19, IL-20, IL-21, IL-22, IL-23, IL-24, IL-25, IL-26, IL-27, IL-28, IL-29, IL-30, IL-31, IL-32, IL-33, IL-34, IL-35, IL-36, IL-37, IL-38, IL-39, IL-40, IL-41, IL-42, IL-43, IL-44, IL-45, IL-46, IL-47, IL-48, IL-49, IL-50, IL-51, IL-52, IL-53, IL-54, IL-55, IL-56, IL-57, IL-58, IL-59, IL-60, IL-61, IL-62, IL-63, IL-64, IL-65, IL-66, IL-67, IL-68, IL-69, IL-70, IL-71, IL-72, IL-73, IL-74, IL-75, IL-76, IL-77, IL-78, IL-79, IL-80, IL-81, IL-82, IL-83, IL-84, IL-85, IL-86, IL-87, IL-88, IL-89, IL-90, IL-91, IL-92, IL-93, IL-94, IL-95, IL-96, IL-97, IL-98, IL-99, IL-100	IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, IL-16, IL-17, IL-18, IL-19, IL-20, IL-21, IL-22, IL-23, IL-24, IL-25, IL-26, IL-27, IL-28, IL-29, IL-30, IL-31, IL-32, IL-33, IL-34, IL-35, IL-36, IL-37, IL-38, IL-39, IL-40, IL-41, IL-42, IL-43, IL-44, IL-45, IL-46, IL-47, IL-48, IL-49, IL-50, IL-51, IL-52, IL-53, IL-54, IL-55, IL-56, IL-57, IL-58, IL-59, IL-60, IL-61, IL-62, IL-63, IL-64, IL-65, IL-66, IL-67, IL-68, IL-69, IL-70, IL-71, IL-72, IL-73, IL-74, IL-75, IL-76, IL-77, IL-78, IL-79, IL-80, IL-81, IL-82, IL-83, IL-84, IL-85, IL-86, IL-87, IL-88, IL-89, IL-90, IL-91, IL-92, IL-93, IL-94, IL-95, IL-96, IL-97, IL-98, IL-99, IL-100	IL-2, IL-3, IL-4, IL-5, IL-6, IL-7, IL-8, IL-9, IL-10, IL-11, IL-12, IL-13, IL-14, IL-15, IL-16, IL-17, IL-18, IL-19, IL-20, IL-21, IL-22, IL-23, IL-24, IL-25, IL-26, IL-27, IL-28, IL-29, IL-30, IL-31, IL-32, IL-33, IL-34, IL-35, IL-36, IL-37, IL-38, IL-39, IL-40, IL-41, IL-42, IL-43, IL-44, IL-45, IL-46, IL-47, IL-48, IL-49, IL-50, IL-51, IL-52, IL-53, IL-54, IL-55, IL-56, IL-57, IL-58, IL-59, IL-60, IL-61, IL-62, IL-63, IL-64, IL-65, IL-66, IL-67, IL-68, IL-69, IL-70, IL-71, IL-72, IL-73, IL-74, IL-75, IL-76, IL-77, IL-78, IL-79, IL-80, IL-81, IL-82, IL-83, IL-84, IL-85, IL-86, IL-87, IL-88, IL-89, IL-90, IL-91, IL-92, IL-93, IL-94, IL-95, IL-96, IL-97, IL-98, IL-99, IL-100	
Associated diseases	Multiple sclerosis, Rheumatoid arthritis, Type 1 diabetes, Crohn's disease, Psoriasis, Scleroderma, Sjögren's syndrome, Systemic sclerosis, Ulcerative colitis, Vitiligo	Allergic asthma, Allergic rhinitis, Allergic conjunctivitis, Allergic dermatitis, Allergic gastroenteritis, Allergic sinusitis, Allergic urticaria, Allergic vasculitis, Allergic rhinitis, Allergic conjunctivitis, Allergic dermatitis, Allergic gastroenteritis, Allergic sinusitis, Allergic urticaria, Allergic vasculitis	Psoriasis, Psoriatic arthritis, Ankylosing spondylitis, Inflammatory bowel disease, Rheumatoid arthritis, Sjögren's syndrome, Systemic sclerosis, Ulcerative colitis, Vitiligo	Atopic dermatitis, Allergic rhinitis, Allergic conjunctivitis, Allergic asthma, Allergic gastroenteritis, Allergic sinusitis, Allergic urticaria, Allergic vasculitis	Multiple sclerosis, Rheumatoid arthritis, Type 1 diabetes, Crohn's disease, Psoriasis, Scleroderma, Sjögren's syndrome, Systemic sclerosis, Ulcerative colitis, Vitiligo	Multiple sclerosis, Rheumatoid arthritis, Type 1 diabetes, Crohn's disease, Psoriasis, Scleroderma, Sjögren's syndrome, Systemic sclerosis, Ulcerative colitis, Vitiligo	Multiple sclerosis, Rheumatoid arthritis, Type 1 diabetes, Crohn's disease, Psoriasis, Scleroderma, Sjögren's syndrome, Systemic sclerosis, Ulcerative colitis, Vitiligo	Multiple sclerosis, Rheumatoid arthritis, Type 1 diabetes, Crohn's disease, Psoriasis, Scleroderma, Sjögren's syndrome, Systemic sclerosis, Ulcerative colitis, Vitiligo	Multiple sclerosis, Rheumatoid arthritis, Type 1 diabetes, Crohn's disease, Psoriasis, Scleroderma, Sjögren's syndrome, Systemic sclerosis, Ulcerative colitis, Vitiligo	Multiple sclerosis, Rheumatoid arthritis, Type 1 diabetes, Crohn's disease, Psoriasis, Scleroderma, Sjögren's syndrome, Systemic sclerosis, Ulcerative colitis, Vitiligo





Anafilaxia

