

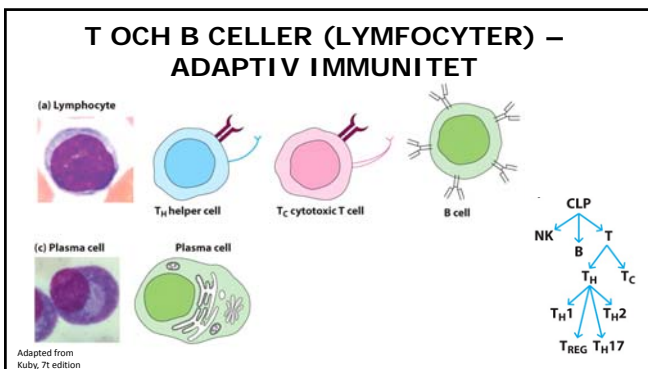
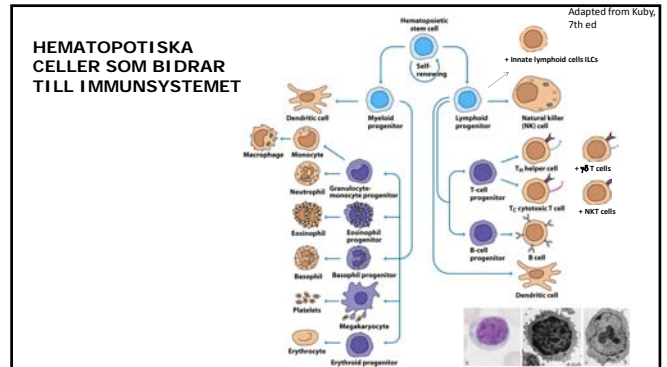
BASAL IMMUNOLOGI UR NEUROLOGISKT PERSPEKTIV

2018-05-24

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AUTOIMMUN SJUKDOM = AVSAKNAD AV IMMUNOLOGISK TOLERANS

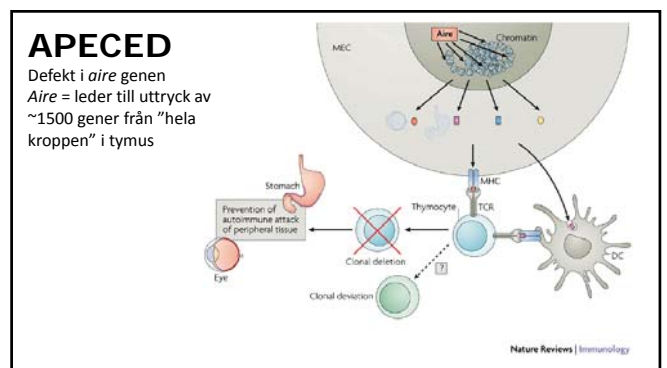
- Undermålig **selektion** mot autoreaktiva T- och B-celler i tymus och/eller benmärg
- Undermålig **perifer reglering** av autoreaktiva kloner med hjälp av Tregs och Bregs

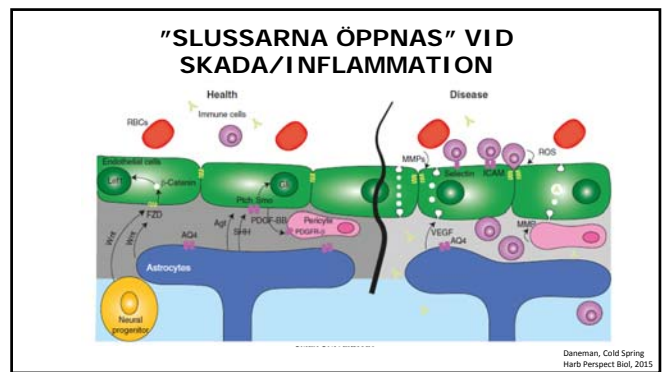
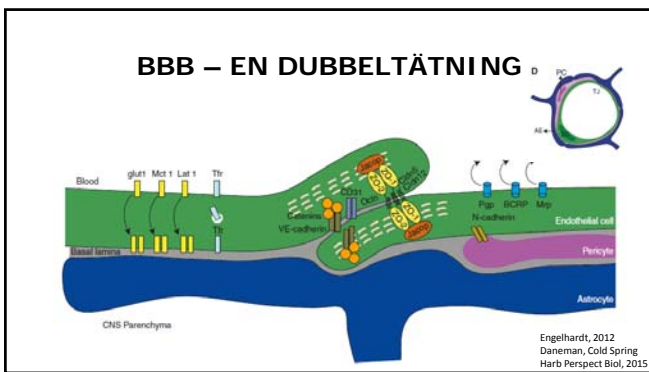
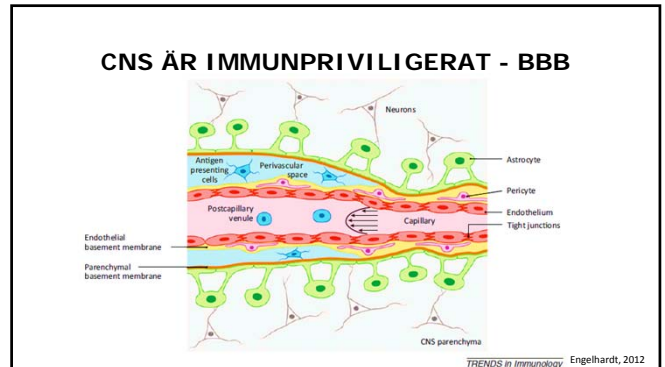
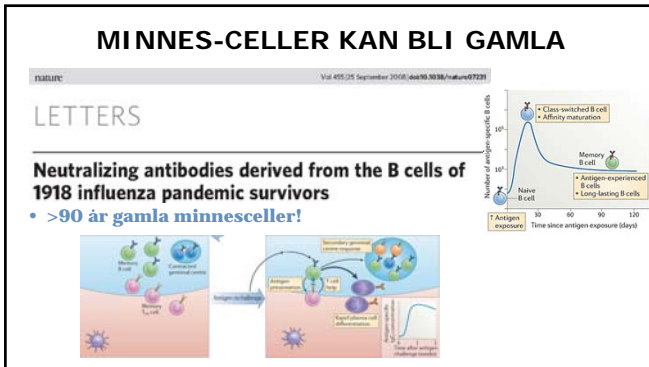


APECED

(Autoimmune polyendocrinopathy candidiasis ectodermal dystrophy)

- Sällsynt monogen autoimmun sjukdom
- I Finland 1:25 000
- Många autoimmuna attacker
 - Typ 1 diabetes
 - Vitiligo
 - Addisons sjukdom
 - ...mm....

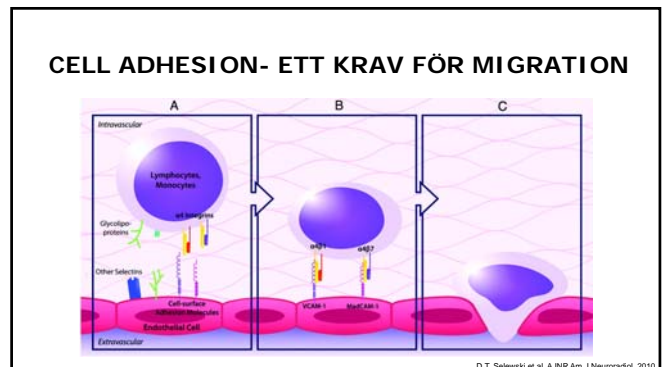



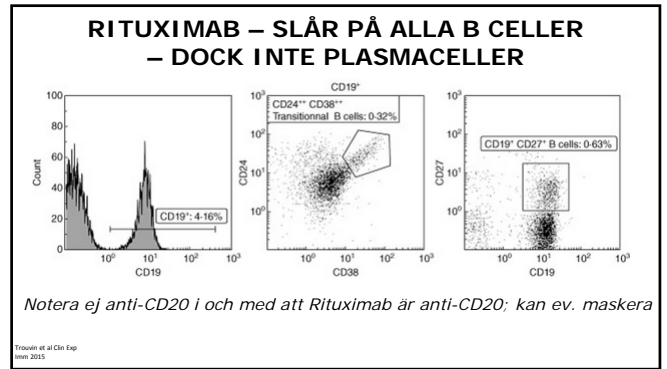
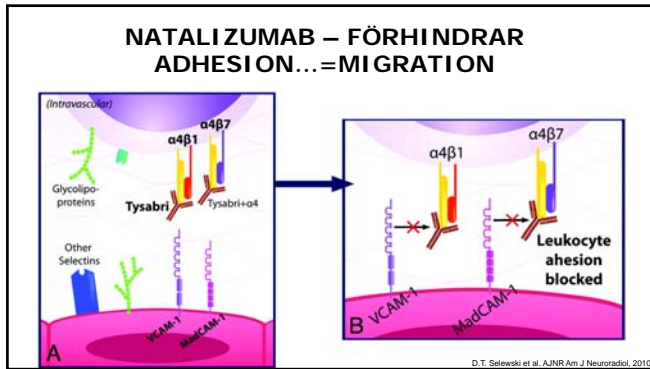


BBB BREAKDOWN

Causes	Characteristics	Consequences
<ul style="list-style-type: none"> ROS MMPs Angiogenic factors Inflammatory cytokines Autoantibodies Leukocyte adhesion Immune cell extravasation Pathogens 	<ul style="list-style-type: none"> Increased permeability Reduced TJ protein expression, redistribution Impaired transporter function Insufficient clearance function Pericyte detachment Astrocyte loss, swollen end feet Disrupted basement membrane 	<ul style="list-style-type: none"> Imbalance of ions, transmitters Leakage of plasma proteins Entry of toxins, pathogens Microglial/astroglial activation Release of cytokines, chemokines <p>↓</p> <ul style="list-style-type: none"> Neuronal dysfunction Neuroinflammation Neurodegeneration

Neil Smith





RITUXIMAB BEHANDLING - UTSLAGNING AV B_{REGS}?

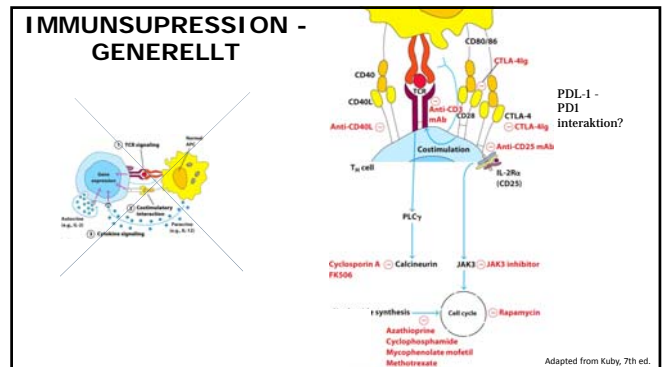
Development of Psoriasis After B Cell Depletion With Rituximab

Shoen & Dan, Edward M. Vital, and Paul Iliev

ARTRITIS & REHUMATISM
Vol. 56, No. 6, August 2007, pp 2715-2718
DOI: 10.1093/arthritis/cpl101
© 2007, American College of Rheumatology

RA patient (52-y old), no effect anti-TNF - Rituximab treatment, development of psoriasis after second round of treatment

SLE patient (26-y old), severe SLE, Rituximab treatment, development of psoriasis



Angel of the West, Julian Voss-Andrea

Tack för att du lyssnade!

Frågor? At your service!

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