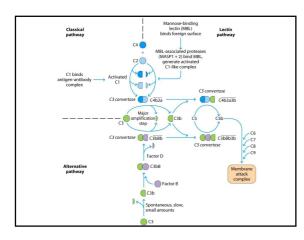
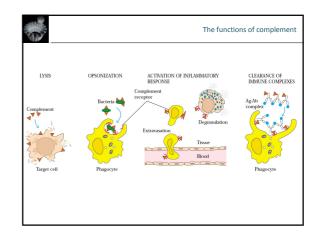
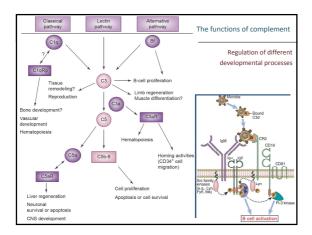




Ιατρική <u>43</u>:192–197, 1983

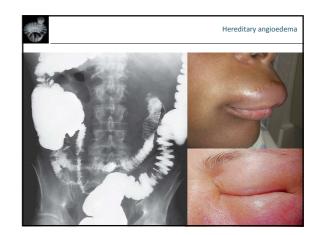


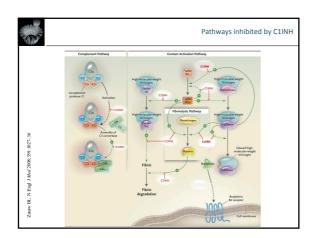


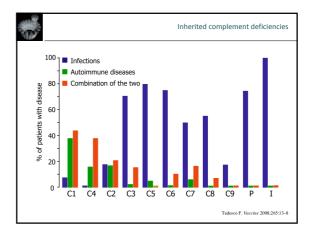


Estimated prevalence : ~0.03%		
Deficiency	Prevalence	
C1-INH deficiency	~1 case per 50,000 persons	
MBL deficiency	 low protein levels: ~35% lack of functional protein: ~5% of the Caucasian population 	
MASP-2 deficiency	~15 per 100,000 persons in Sweden	
C2 deficiency	~5 per 100,000 persons in Western countries	
C6 deficiency	1:1,600 among African Americans	
C9 deficiency	0.1% in Japan population	

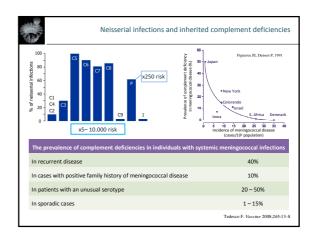
5	Hereditary angioede
HAE ty	ире I
SERPIN	G1 mutations usually resulting in absent or low antigenic and functional C1-INH (85% of cases)
HAE ty	vpe II
SERPIN	G1 mutations (usually involving exon 8 at or near the active site) causing normal or high antigenic but low functional C1-INH (15% of cases)
HAE ty	/pe III (estrogen-dependent and estrogen-associated inherited angioedema)
•	Normal levels and function of C1-INH and normal SERPING1 genetic analysis
	T309K mutation in coagulation factor XII gene



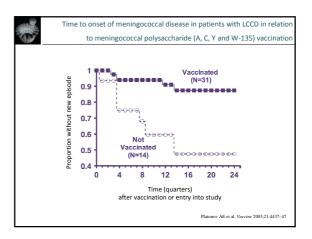


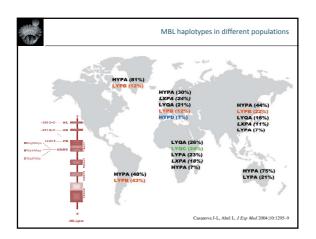


		Bacterial infe
Deficient components	Strains of bacteria	Frequency %
C1, C4, C2	Neisseria	6
	S. pneumoniae	17
	H. influenzae	3
	S. aureus	2
C3, H, I	Neisseria	28
	S. pneumoniae	28
	H. influenzae	4
	S. aureus	0
C5, C6, C7, C8	Neisseria	66
	S. pneumoniae	1
	H. influenzae	0
	S. aureus	0



		Meningococcal disea	
Parameter	Normal	LCCD	Properdin deficient
No of homozygotes		267	54-70
No with meningococcal disease		151	25-37
Frequency of infection (%)	0.0072	57	46-53
Male/female ratio	1.3:1	2.2:1	21:0-37:1
Median age (yr), first episode	3	17	14-11.5
Recurrence rate (%)	0.34	41	2-1.4
Relapse rate (%)	0.6	7.6	0
Mortality/100 episodes (%)	19	1.5	12-51.4
Infecting serogroup			
No of isolates	3,184	67	16
% B	50	19.4	18.7
% Y	4.4	32.8	37.5





	MBL deficiency
MBL deficiency clearly does not confe	r a Mendelian susceptibility to infection
□ MBL-deficient children aged 6–17 mo,	but not younger or older children, have an increased risk
of acute, generally benign, respiratory	disease
□ The significance of MBL deficiency is n	nore readily appreciated when there is another co-existing
defect	
□ More than 2/3 of primary antibody def	iciency patients with mycoplasma infections are MBL
deficient compared with 1/3 of the cor	trol group
MBL deficiency increase the acquisition	n of HIV infection by x3–8
Cystic fibrosis patients with MBL varian	t alleles have significantly impaired lung function and
decreased life expectancy in compariso	on with wild-type individuals
MBL deficient ICU patients are more like	ely to develop SIRS and progress to septic shock and death
Patients with high MBL levels have a de	ecreased likelihood of suffering a myocardial infarction
MBI variant alleles are SIE risk factors	

