DEW	**DRY EYE: DIAGNOSTIC TEST TEMPLATE**	
RAPPORTEUR	Juan Murube	25th Dec 2004
TEST	**Hematological tests for Sjögren´s syndrome**	
TO DIAGNOSE	Sjögren´s syndrome	REFERENCES
VERSION of TEST	[1]	
DESCRIPTION	Hematological analyses, together with signs and symptoms, can be used to establish the diagnosis of primary or secondary Sjögren syndrome	
CONDUCT of TEST	Blood is taken by venepuncture according to standard procedures. Tests are performed by the appropriate laboratories, which will identify normal ranges for that laboratory.	For interpretation of results refer to reference list
Web Video	Not available	
Materials:	Venepuncture equipment depending on local arrangements	
Standardization	Time of day [ ] Temperature [ ] Humidity [ ] Air speed [ ] Illumination [ ] Other:[ ]	
Diagnostic value		

Hematological findings are positive in:	Primary SS (%)	Secondary SS (%)
Anemia	25	75
Leucopenia	25	3
Lymphocytosis	10	3 with RA 3 with SLE
Eosinophilia over 6%	20	10 with RA 5 with SLE
Thrombocytosis	2	60 with SLE
Thrombocytopenia	2	30 with SLE
Globular Sedimentation Velocity? over 30 mm/h	80	90
Hypergammaglobulinemia IgG and/or IgM	70	70
Cryoglobulinemia	4	4
Circulant immunocomplexes	85	5 with RA 25 with SLE
Complement	Increased in 50	Decreased in 50
Hypercreatinimemia	10	40
Hyper β_2-microglobulinemia	30	30
Rheumatoid factors	51	80
LE cells phenomenon	10	30 with RA 90 with SLE
Rose-Waaler	50	80 with RA
HLA B8	90	25 with RA 15 with SLE
(HLA)* DR3	70	15 with RA
(HLA)* DR4	15	85
Anti-epithelium of salivary Ducts Ab	25	25 with RA

	70 with SLE ANA (AntitiNuclear Ab) 75 95 Anti-SS-A (Anti Ro) Ab 70 15 with RA Anti-SS-B (Anti La) Ab 70 5 with RA 10 with SLE Anti-SS-C (PAR, ANAR) 10 80 with RA 3 with SLE Anti-Sm 0 18 with SLE Anti-U1RNP 0 32 with SLE Anti-α-fodrin 95 66 Anti-M3 receptor 100 90 * HLA status: Differences in HLA findings between different races makes it impossible to give absolute importance to the phenotypes. SS is more frequently associated in Caucasians to haplotypes B8, DRw52 and DR3 (Loiseau P, Lepage V, Djelal F, et al. HLA class I and class II are both associated with the genetic predisposition to primary Sjögren syndrome. Hum Immunol 2001;62:725-31). Even in Caucasians, a prevalent association with DR2 has been found in Scandinavians and with DR5 in Greeks (Papasteriades et al. 1988)	
Repeatability	Intra-observer agreement. [NA] Inter-observer agreement. [NA]	
Sensitivity	[NA]	
Specificity	[NA]	
FORWARD LOOK	The elementary subdivision of Sjögren syndrome into primary and secondary will be divided in the future into many more specific types when the immunologic targets are better defined	
Glossary	HLA =Human Leukocyte Antigen. M3 = muscarinic receptor – type 3 RA = Rheumatoid Arthritis. SLE = Systemic Lupus Erythematosus SS = Sjögren syndrome	

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