## Ectopic GC formation is reduced by abatacept in pSS / E.A. Haacke et al.

## BRIEF PAPER

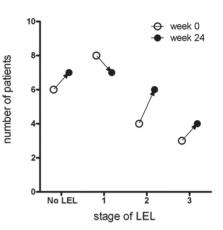
**Supplementary Table I.** Patient characteristics and laboratory assessments at baseline in pSS patients (n=15) treated with abatacept (6).

Variable	Baseline	
Patient characteristics		
Age years, mean (SD)	43 (14)	
Female gender, n(%)	12 (80)	
Disease duration in months, median (IQR)	11 (7-36)	
ESSDAI total, median (IQR)	11 (8-14)	
ESSDAI glandular domain ≥1, n(%)	11 (73)#	
Laboratory assessments		
IgG $(g/L)$ , mean $\pm$ SD	$21.5 \pm 7.3$	
$RF$ (kIU/L), mean $\pm SD$	89 ± 94	
SSA positive, n(%)	15 (100)	
SSB positive, n(%)	12 (80)	

Values are presented as median (IQR) unless otherwise specified.

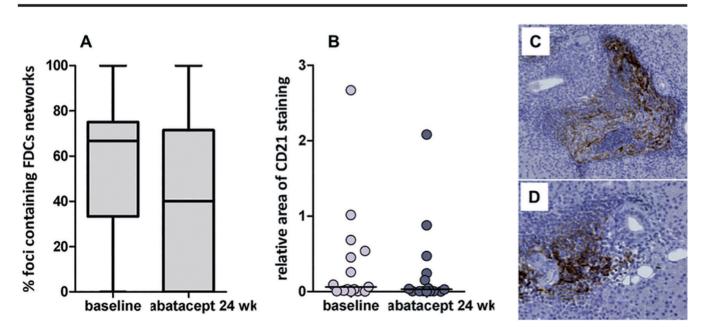
Supplementary Table II. Antibodies used for immunohistochemistry.

Antigen	Clone	Host	Company
CD20	L-26	Mouse	Ventana Roche
CD3	2GV6	Rabbit	Ventana Roche
CD45	2B11 + PD7/26	Mouse	Ventana Roche
CK8/18	B22.1 + B23.1	Mouse	Ventana Roche
CD21	2G9	Mouse	Ventana Roche
IgA	Polyclonal	Rabbit	Ventana Roche
IgG	Polyclonal	Rabbit	Ventana Roche
IgM	Polyclonal	Rabbit	Ventana Roche



**Supplementary Fig. 1.** Severity of LELs in pSS patients treated with abatacept.

LELs are classified in three stages (9) as stained for CD20 + CK8/18. Stage 1: LEL affecting less than 50% of the epithelium of the striated duct (partial LEL), Stage 2: LEL affecting between 50% and 100% of the epithelium of the striated duct (developed LEL); Stage 3: LEL with fully circumferential affected epithelium without lumen (occluded LEL). Y-axis indicates the total number of patients before (open circles) of after (closed circles) treatment, while X-axis the presence of different stages of LELs. Of note patients can have various stages of LELs at the same time.



Supplementary Fig. 2. Network of follicular dendritic cells in parotid glands of pSS patients treated with abatacept. A) The proportion (in percentages) of foci containing networks of follicular dendritic cells (FDCs) per patient as visualised by CD21 staining. Boxes represent the interquartile range divided by the median with Tukey-style whiskers. Of the pSS patients, 87% (13/15) showed a CD21<sup>+</sup> FDC network within at least one focus, and 73% (11/15) after treatment. B) Relative area of CD21 staining, measured by Aperio ImageScope. C) Example of a CD21<sup>+</sup> FDC network with a morphologically recognisable germinal centre. D) Example of a CD21<sup>+</sup> FDC network without a morphologically recognisable germinal centre.