

## Is Elevated Gastric Tissue NOX2 Associated with Lymphoma of Mucosa-Associated Lymphoid Tissue?

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**Table 1. Clinical and molecular features of the 39 patients with primary gastric MALT lymphoma and 43 patients with gastritis (Control group).**

	<b>MALT lymphoma</b>	<b>Control group</b>
<b>Number of patients</b>	39	43
<b>Age at diagnosis</b>	57.5	56
median age (range)	24-80	23-92
<b>Men/women</b>	23/16	20/23
<b>Follow-up since diagnosis</b>		
Median (range)	3 yrs [0-20yrs]	0
<b><i>H. pylori</i>-positive/ <i>H. pylori</i>-negative</b>	19/20	17 /26
<b>Extent of the disease</b>		
Stage IE*/IIIE°/IV** (n)	23/9/7	–
<b>Molecular status at diagnosis</b>		
Detectable t(11;18), n	17	0
<b>Sydney score at diagnosis</b>		
Activity ≥ 2	4 (10%)	10 (23%)
Inflammation ≥ 2	13 (33%)	26 (60%)
Atrophy ≥ 2	5 (12,8%)	6 (14%)
Intestinal metaplasia ≥ 2	3 (7%)	2 (4%)
*disease limited to the stomach		
° perigastric lymph nodes on endoscopic ultra sound		
** medullar and/or pulmonary involvement		

**Table 2. Expression of NOX2 and NOX5 in different biopsies according to the Updated Sydney system.**

Sydney score (N = number of biopsies)	GML=39		Sydney score (N = number of biopsies)	Control group =43	
	NOX5 mean	NOX2 mean		NOX5 mean	NOX2 mean
activity = 0 (N=26)	0.00069	0.42697	activity = 0 (N=27)	0.00229	0.11760
activity = 1 (N=9)	0.00040	0,14821	activity = 1 (N=6)	0.00269	0.12649
activity = 2 (N=2)	0.00012	0,12849	activity = 2 (N=4)	0.00056	0.07035
activity = 3 (N=2)	0.00045	0,19357	activity = 3 (N=6)	0.00027	0.03783
inflammation = 0 (N=1)	0.00386	4,40762	inflammation = 0 (N=2)	0.00024	0.04669
inflammation = 1 (N=25)	0.00055	0,25169	inflammation = 1 (N=15)	0.00315	0.11444
inflammation = 2 (N=12)	0.00035	0,18026	inflammation = 2 (N=22)	0.00152	0.10853
inflammation = 3 (N=1)	0.00016	0,08105	inflammation = 3 (N=4)	0.00020	0.06120
atrophy = 0 (N=28)	0.00055	0,36885	atrophy = 0 (N=29)	0.00186	0.11647
atrophy = 1 (N=6)	0.00085	0,28605	atrophy = 1 (N=8)	0.00328	0.11401
atrophy = 2 (N=5)	0.00034	0,18000	atrophy = 2 (N=4)	0.00029	0.01942
atrophy = 3 (N=0)	-	-	atrophy = 3 (N=2)	0.00020	0.03762
intestinal metaplasia = 0 (N=34)	0.00061	0,36438	intestinal metaplasia = 0 (N=37)	0.00218	0.11400
intestinal metaplasia = 1(N=2)	0.00041	0,05450	intestinal metaplasia = 1 (N=4)	0.00021	0.04506
intestinal metaplasia = 2 (N=2)	0.00020	0,15561	intestinal metaplasia = 2 (N=2)	0.00019	0.02215
intestinal metaplasia = 3 (N=1)	0.00009	0,13490	intestinal metaplasia = 3 (N=0)	-	-

