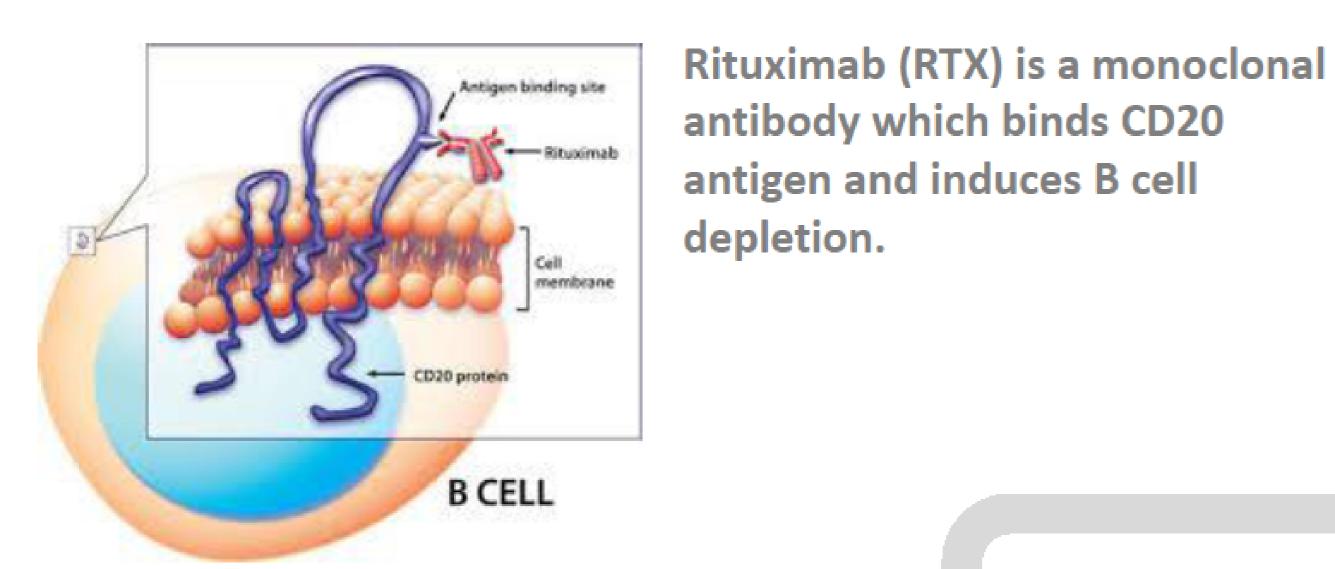
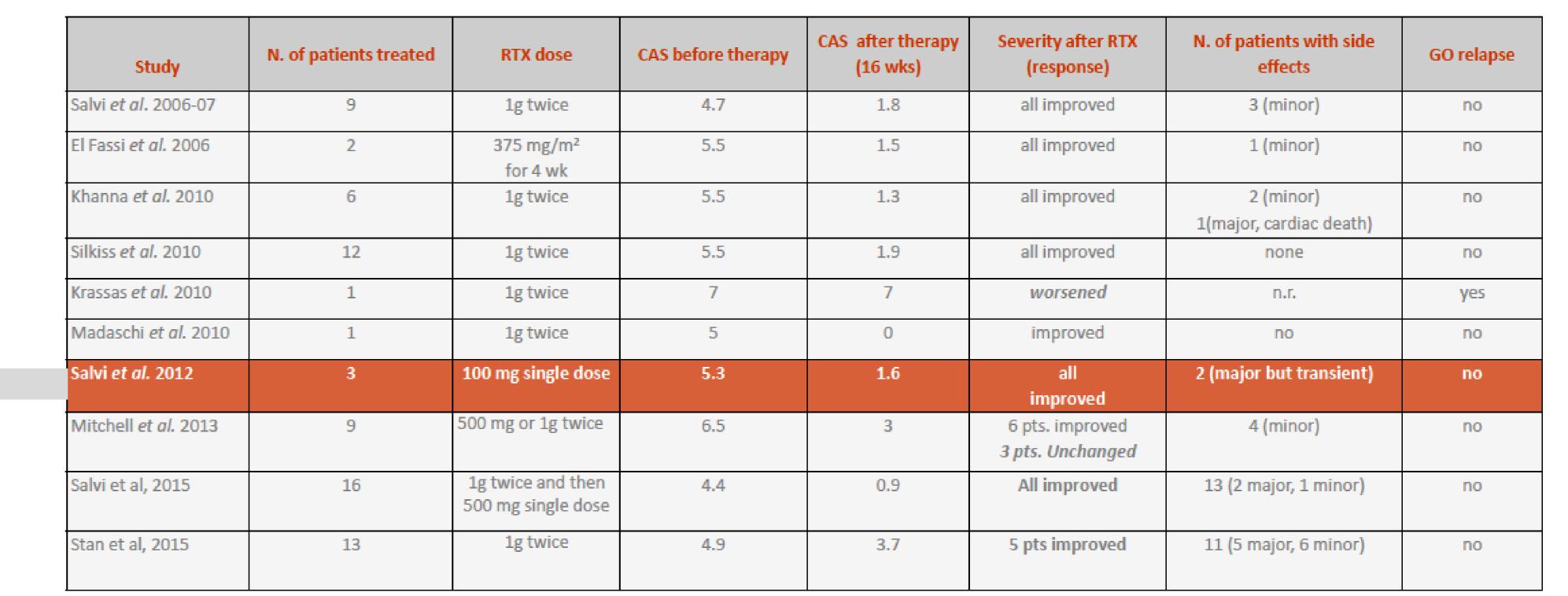
EFFECT OF A VERY LOW DOSE OF RITUXIMAB ON ACTIVE MODERATE-SEVERE GRAVES' ORBITOPATHY (GO): AN INTERIM STUDY REPORT (EUDRACT 2012-001980-53)

Vannucchi G, Campi I, Covelli D, Currò N, Dazzi D, Avignone S, Sina C, Guastella C, Pignataro L, Salvi M

Department of Medical Sciences, Endocrine Unit,, Ophthalmology, Neuroradiology, Fondazione IRCCS Cà Granda, Milan, Internal Medicine, Ospedale di Fidenza, Fidenza, Italy

INTRODUCTION



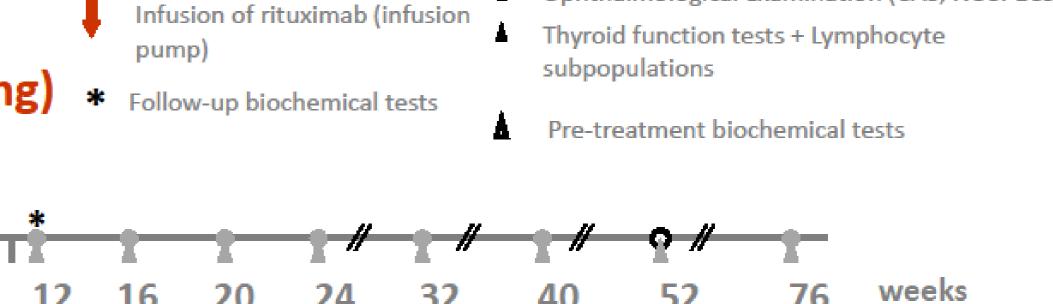


18 16 14 12 10 8 12 10 8 6 4 2 0 2 4 6 8 10 11 1 wk 2 wk A Patient 1, 100 mg Regiont 2, 100 mg Mean for 10 patients, 2 cycles of 1000 mg Weeks

AIM: To evaluate the effect of a very low dose RTX moderate-severe active GO

10 patients enrolled (+4 compassionate use of RTX)
-7 patients previously treated with i.v. steroids and either non responsive or with disease relapse
-7 patients newly diagnosed GO

PATIENTS & METHODS



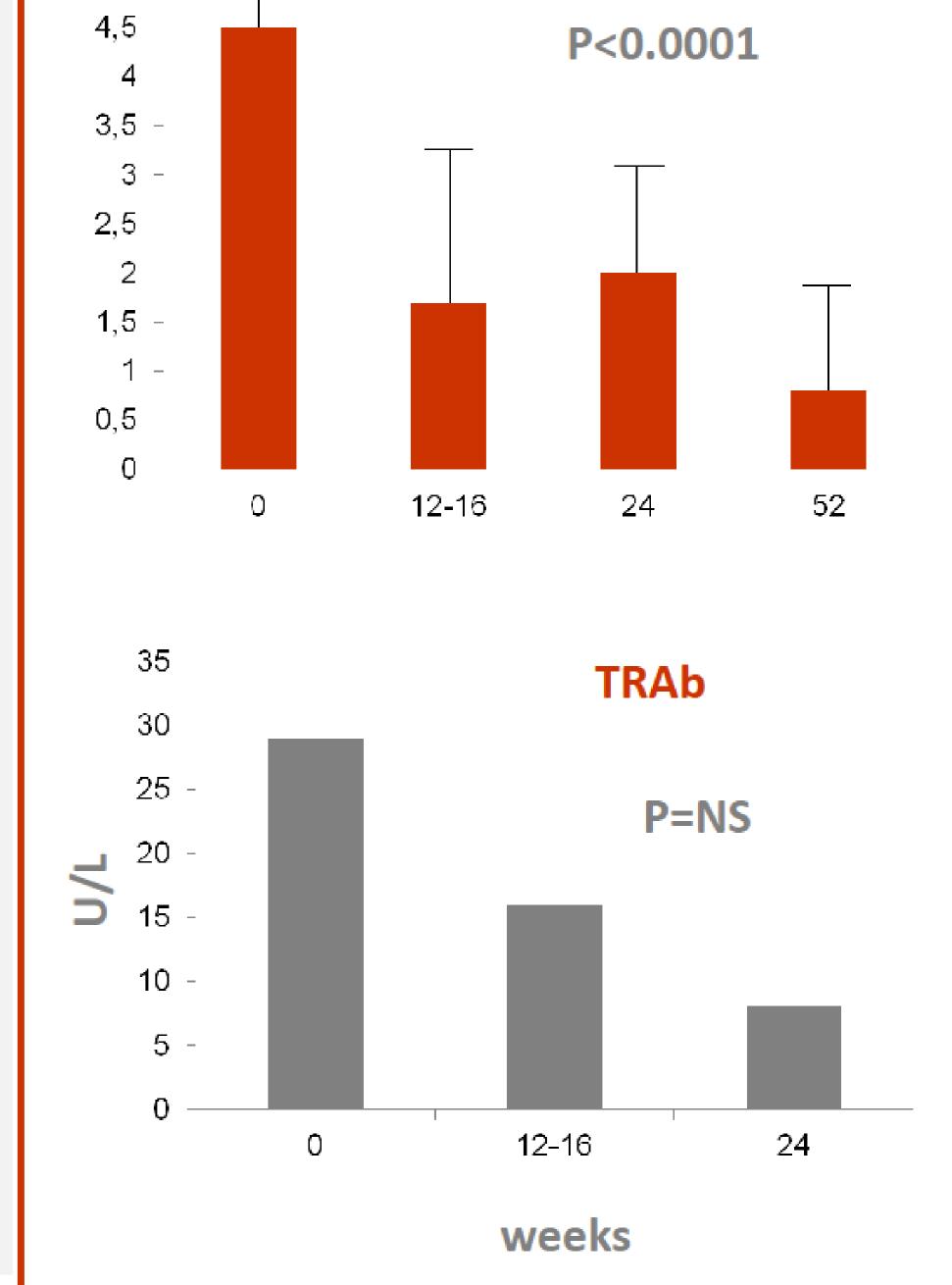
Ophthalmological examination (CAS, NOSPECS)

CAS

PRIMARY ENDPOINT:

decrease of clinical activity score (CAS) of 2 points or CAS ≤3

Patients	GO duration	CAS				FOLLOW-UP
	Months	Weeks				
		0	12-16	24	52	
#1	8.8	4	1			
#2	4.2	4	2	2	1	
#3	1.9	6	1			
#4	1	4	2 (8 w)	-	-	Surgical decompression at 11 weeks for congestion
#5	7.6	5	0			
#6	8	4	0			
#7	3.3	4	2	1	1	
#8	4.7	4	0			
#9	10.3	4	2	-	-	Surgical decompression at 20 weeks for subclinical DON
#10	1.1	4	2	4	0	
#11	1.5	4	3	0 (20 w)		
#12	1.8	7	5	2	3	
#13	0.5	4	(5)	-	-	Surgical decompression at 12 weeks for subclinical DON in OS
#14	4.6	5	3	1	0	
Mean ±SD	4.2±3.2	4.5±0.9	1.7±1.6	2±1	1±1.2	



SUMMARY

- A single low dose of RTX (100 mg) was effective in inactivating GO in 12/14 patients (85.7%) with a short disease duration (4.2 3.3 months).
 None of these patients required further immunosuppression (at the present time of follow-up).
- 2. 7/14 (50%) patients had either recurrent or resistant GO after a previous course of i.v. steroids.
- 3. Two patients did not respond to RTX treatment and developed DON treated with surgical orbital decompression. In one patient DON was likely subclinical at the time of treatment (#9). In another patient (#13) steroid-resistant DON had previously developed in the contralateral eye.
- 4. Patient #4 underwent elective surgical orbital decompression after rapid disease inactivation (8 weeks) due to disfiguring proptosis.

In conclusion, this study confirms the effectiveness of monotherapy with one single dose of RTX, even in a minute dose, in active moderate-severe GO of short duration, in the absence of signs of subclinical or overt DON.





