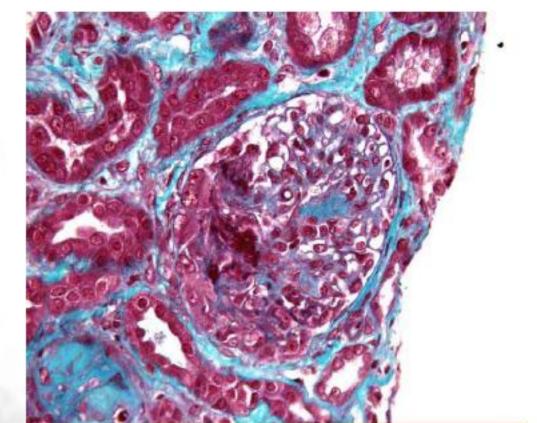
ANTINEUTROPHIL CYTOPLASMIC AUTOANTIBODY-NEGATIVE

SMALL VESSEL VASCULITIS WITH RENAL INVOLVEMENT: A 25-

YEAR RETROSPECTIVE STUDY

H. Marco¹, M.Picazo², I. Da Silva I², A. Gonzalez¹. Y. Arce², S. Gracia², M.Corica³, J.M Llobet³, M.Diaz², J.Ballarin²
Department of Nephrology: Germans Trias i Pujol, Badalona, Spain¹

Department of Nephrology, pathological anatomy and laboratory : Fundació Puigvert, Barcelona, Spain² Department of Rheumatology: Hospital de la Santa Creu i Sant Pau, Barcelona, Spain³



INTRODUCTION

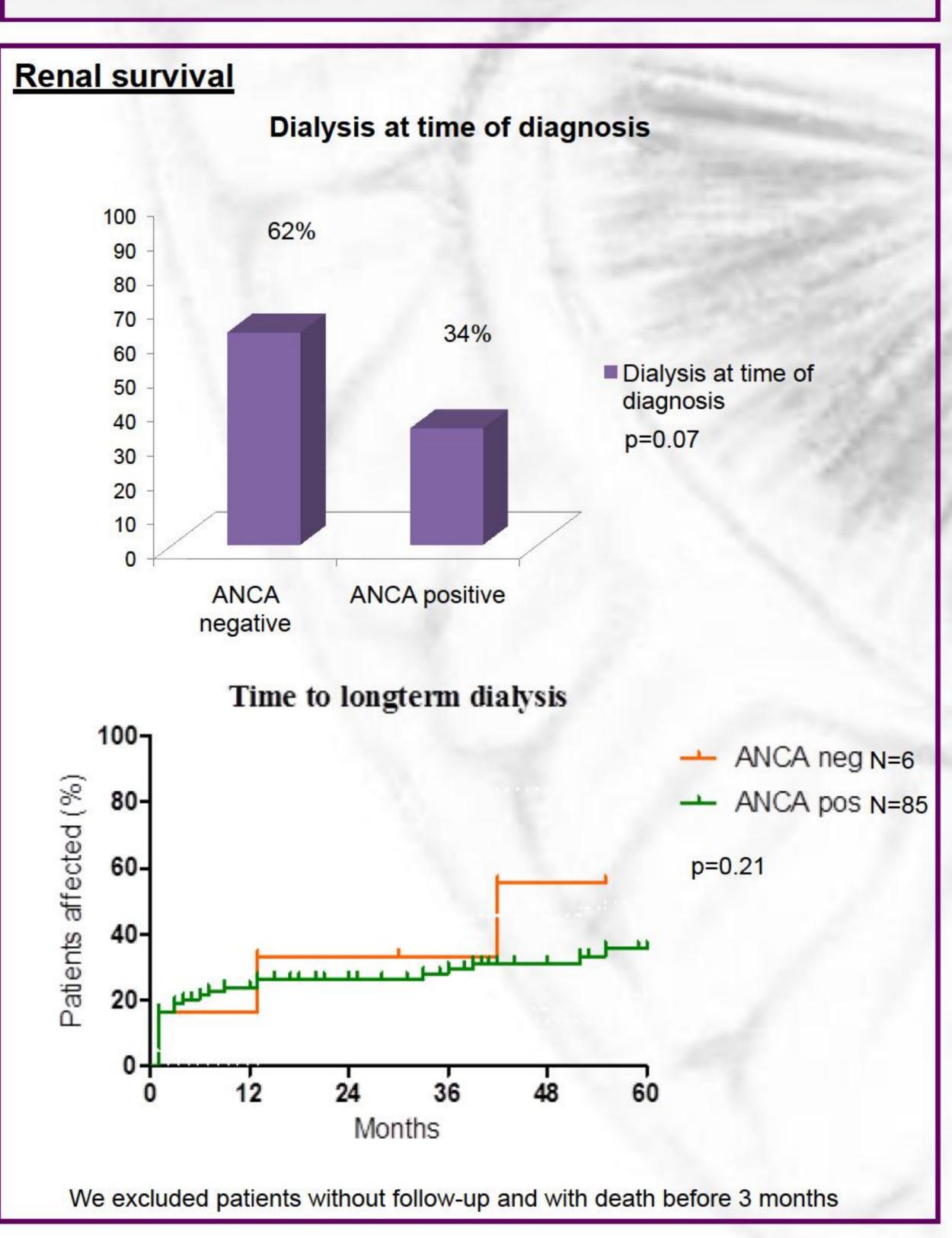
- Pauci-immune renal vasculitis with focal glomerular necrosis and crescent formation is usually associated with antineutrophil cytoplasmic antibodies (ANCAs). However, ANCA's are absent in 10 to 33% of cases.
- The prognosis of small vessel vasculitis depends on the precocity of the effectiveness and complications of immunosuppressive therapy.
- Prevalence, clinical manifestations, histopathology and outcomes of ANCA-negative small vessel vasculitis remain controversial.
- We compare a group of ANCA-positive patients versus a group of ANCA-negative patients with vasculitis with renal involvement.

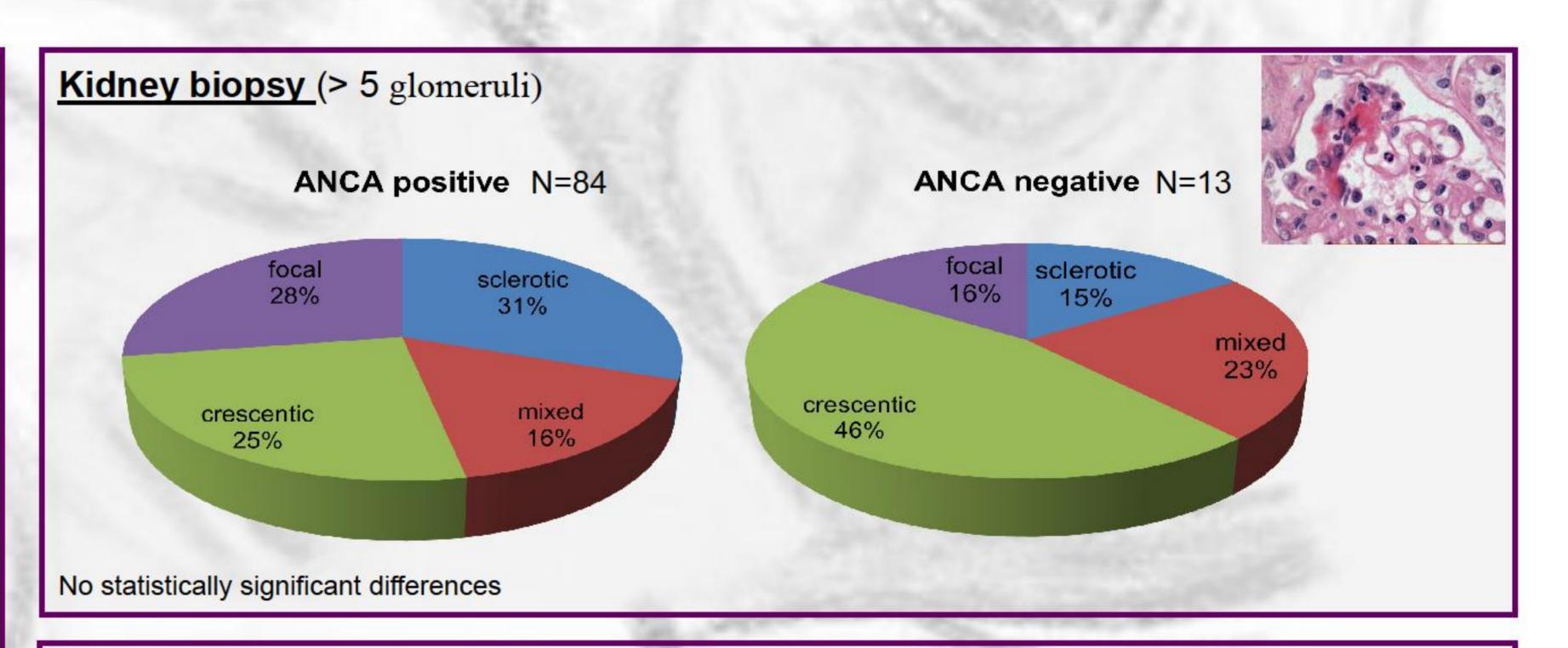
METHODS

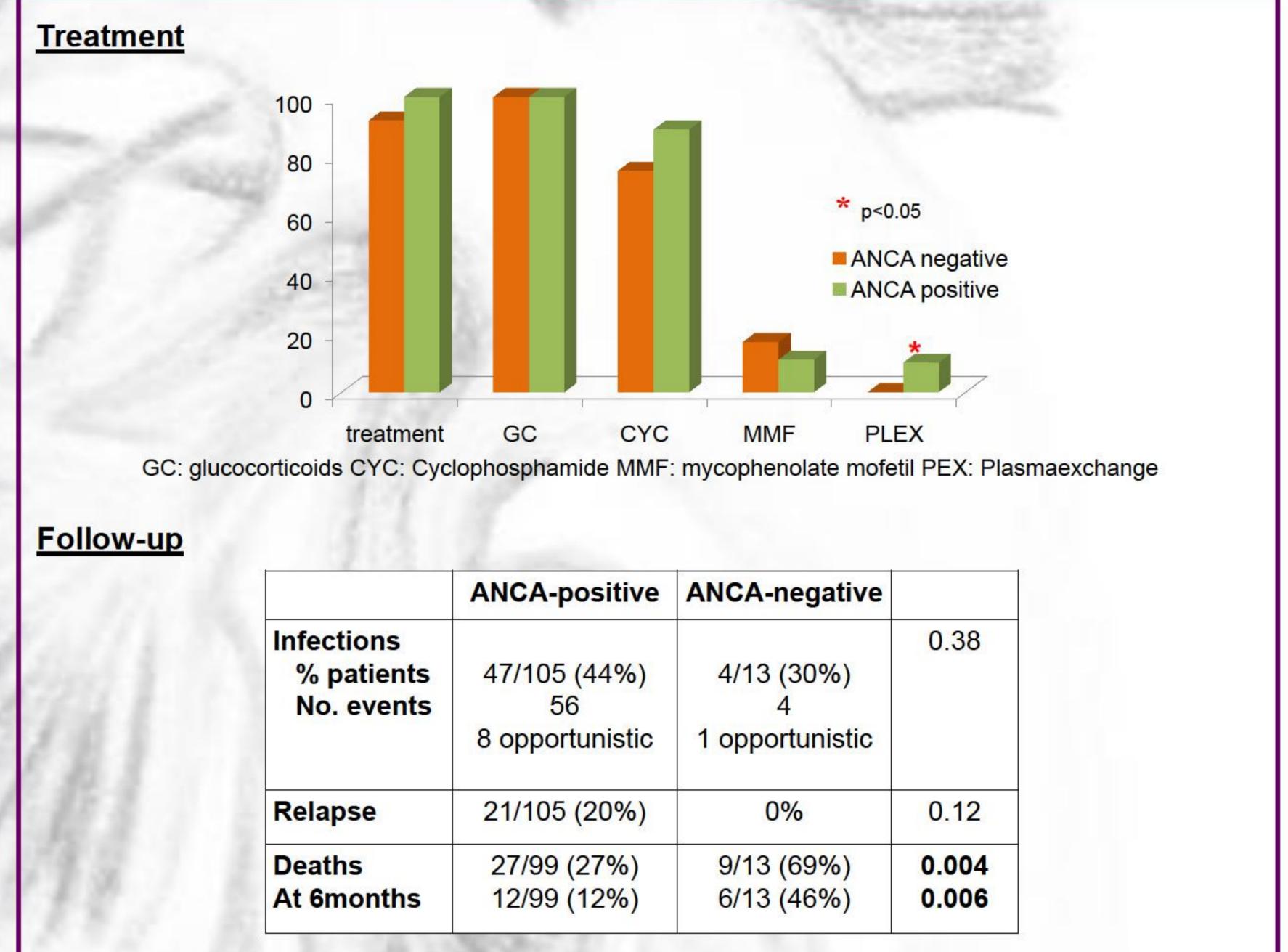
- Retrospective analysis of 128 cases of small vessel vasculitis with renal involvement assessed between 1985 and 2010 in two Spanish centers (Fundació Puigvert (N=104) and Germans Trias i Pujol (N=24)).
- Clinical and laboratory variables, presence and type of ANCA, kidney biopsy, immunosuppression therapy and renal/patient survival were
 evaluated.
- Proportions of patients were compared using Fisher's exact and serum creatinine by a t-student test. Patient and renal survival was analysed using Kaplan-Meier survival analysis.

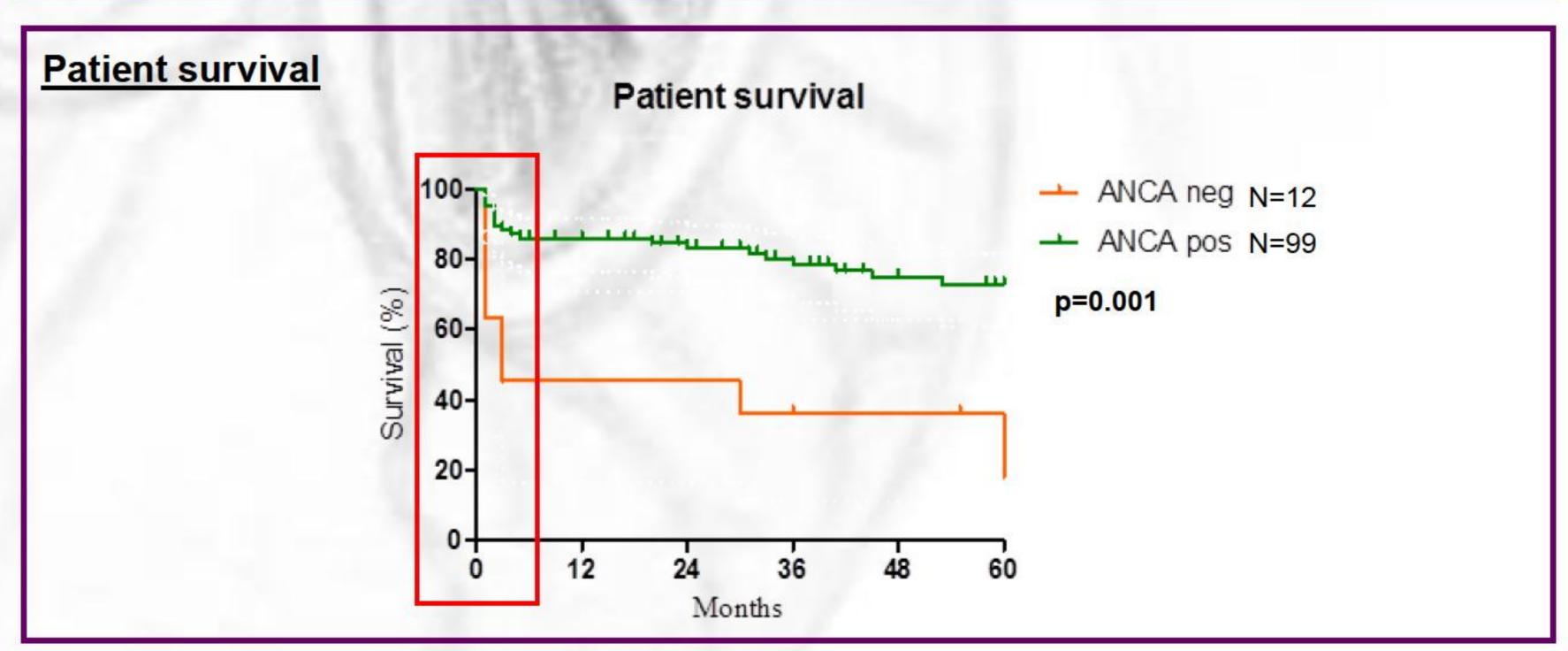
RESULTS

	ANCA-positive 113/128 (88%)	ANCA-negative 15/128 (12%)	
Mean age (years)	63.78 +/-1.33	70.87 +/-2.37	0.09
Diagnosis MPA GPA	104 (92%) 9 (8%)	15 (100%)	0.59
ANCA positive MPO PR3 MPO+PR3	94 (83%) 16 (14%) 3 (3%)		
Other manifestations	2/14 (14%)	26/102 (25%)	0.51
Mean creatinine (µmol/L) at time of diagnosis	422.07+/-22.04	541+/-102.1	0.09
Time between clinic symptoms and diagnosis (days)	42+/-37 (N=67)	59+/-11 (N=12)	0.09
Median follow-up (months) (N=104)	60.1+/-5.06 (N=99)	29.6+/-5.06 (N=12)	0.04









CONCLUSIONS

- In our cohort of patients with ANCA-negative vasculitis (12%), they had tendency to higher creatinine levels and higher tendency to require treatment with dialysis at diagnosis.
- The increase in mortality highlights the importance of early diagnosis and treatment of this disease despite the ANCA-negative to improve renal and patient survival.

