

CLINICAL CHARACTERISTICS OF PATIENTS WITH C3 GLOMERULOPATHY AND IDIOPATHIC MEMBRANOPROLIFERATIVE IMMUNE COMPLEX GLOMERULONEPHRITIS IN AN ARGENTINIAN HOSPITAL

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Background

Membranoproliferative glomerulonephritis (MPGN) is classified into 2 entities: immune complexes associated (IC-MPGN) and those mediated by C3 (C3G), according to immunofluorescence. A group of the first one are idiopathic.



Material and Methods

We retrospectively analyzed cases at Hospital Italiano de Buenos Aires with one of these diagnoses, between 2010 and 2022.

32 cases, 13 (40.6%) were C3G and 19 (59.4%) IC-MPGN.

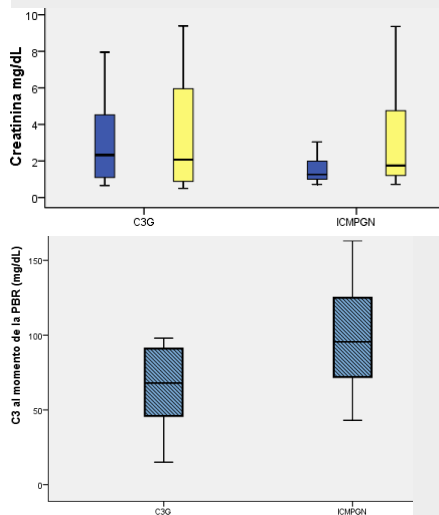
The median age of patients with IC-MPGN and C3G was 57.6 and 40.6 years respectively ($p = 0.004$).

The degree of proteinuria was similar in both groups (mean of 4.22 g/24 hours vs 4.57 g/24 hours).

Hypoalbuminemia was significantly lower in the IC-MPGN group $2.76 \text{ g\%} \pm 0.73$ vs $3.69 \text{ g\%} \pm 0.72$ in C3G.



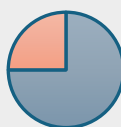
Results



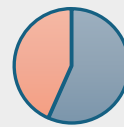
Serum creatinine was similar in both groups at the beginning and end of follow-up.

Serum C3 was low in 69.2% C3G patients and 38.8% IC-MPGN, been significantly lower in C3G patients.

ACEi/ARBs



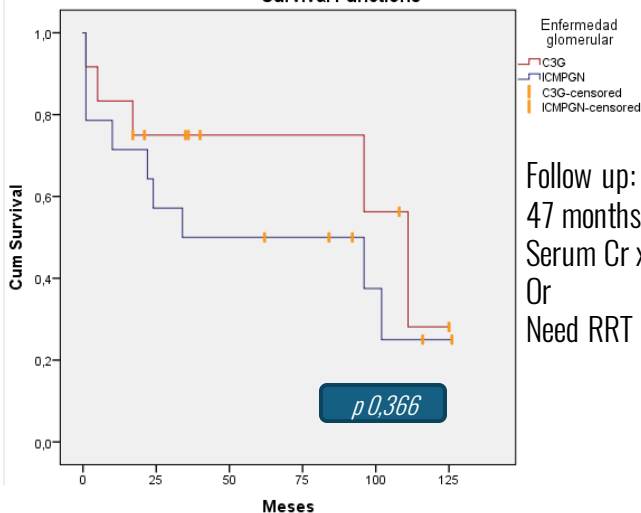
IMMUNOSUPPRESSION



■ YES ■ NO

■ YES ■ NO

Survival Functions



Follow up:
47 months (median)
Serum Cr x 1.5
Or
Need RRT



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