

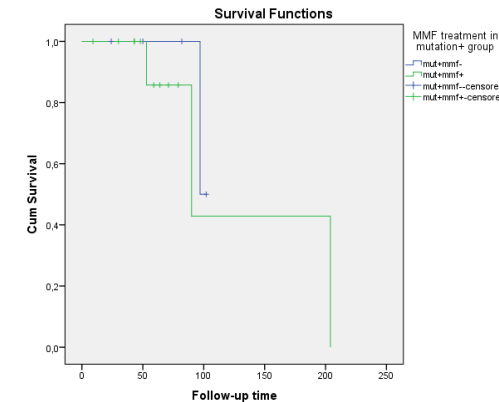
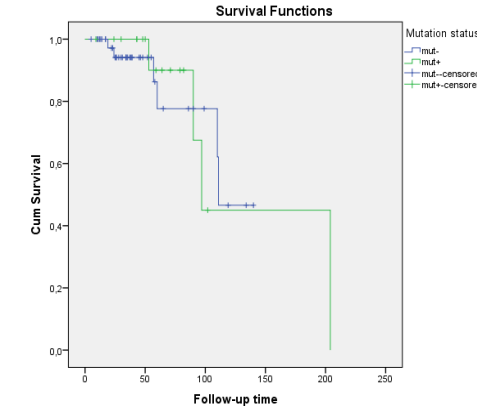
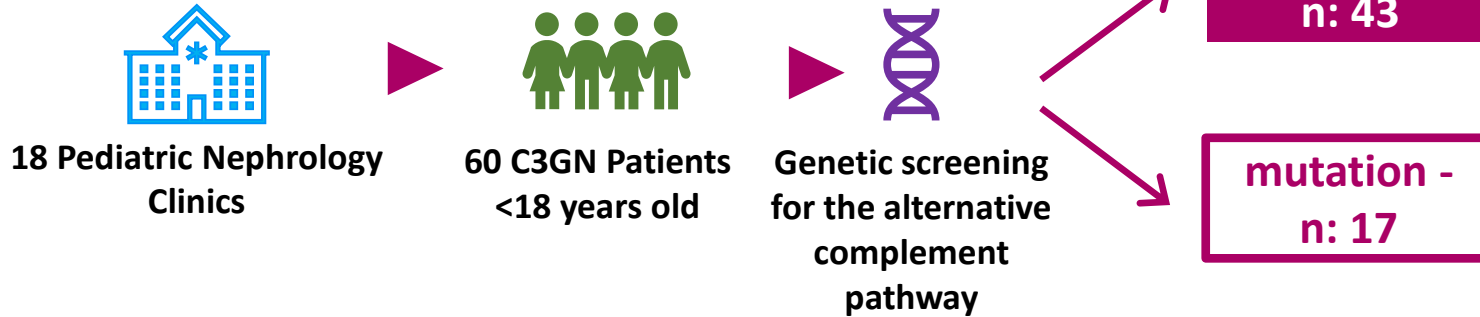
Complement gene mutations in children with C3 glomerulopathy: Do they affect clinical outcome?



HYPOTHESIS: Having mutations in genes regulating the alternative complement pathway affects kidney survival and response to mycophenolate mofetil therapy in pediatric C3G patients.

DESIGN & OUTCOMES:

Retrospective Study



- The most common mutation in the CH gene (47%)
- While the patients without mutation were most frequently presented with the nephritic syndrome (44.2%), patients with the mutation were most likely to have asymptomatic urinary abnormalities (%47.1, $p=0.043$).
- Serum parameters and histopathological characteristics were similar between the groups, but hypoalbuminemia was more common in patients without mutation.

Kaplan-Meier analysis for CKD ; Figure1(left): in the group with and without mutation. Mean CKD development time in the group with and without mutation, respectively 139.1 ± 30.5 and 110.4 ± 9.7 months ($p:0.98$) **Figure2(right):** in the group with mutations by MMF use status. Mean CKD development time in the group with MMF use and don't respectively 133.5 ± 44.9 and 99.5 ± 1.76 months ($p:0.572$)

CONCLUSION: Patients in the mutation group presented with mild symptoms, were diagnosed relatively late and were not different from the mutation group in terms of MMF treatment response and kidney survival.

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