

Featured Case Study: Linking acute kidney injury severity in COVID-19 to the APOL1 Gene

Based on real Renasight cases

Having two risk alleles for APOL1 are associated with FSGS in patients who are critically ill due to COVID.



Key Takeaway: Patients who have two risk alleles for APOL1 kidney disease as a result of COVID.

Exploratory Questions:

- What do you think the link is between APOL1 gene to COVID-19?
- Are patients indeed at a higher risk to develop COVID-19-related nephropathy with the two risk alleles?
- Have you seen any patients with the APOL1 gene develop COVID-19 related nephropathy?

Velez, J.C.Q., Caza, T. & Larsen, C.P. COVAN is the new HIVAN: the re-emergence of collapsing glomerulopathy with COVID-19. Nat Rev Nephrol 16, 565–567 (2020). https://doi.org/10.1038/s41581-020-0332-3<<>> Noble R, Tan M, Y, McCulloch T, Shantier M, Byrne C, Hall M, Jesky M: Collapsing Glomerulopathy Affecting Native and Transplant Kidneys in Individuals with COVID-19. Nephron 2020. doi: 10.1159/000509938