

Inflammatory Determinants and Associated Morbidity in Hemodialysis Patients

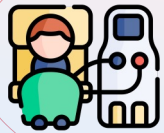
Methods



Cross-sectional study



Hospital General Regional 46
Guadalajara, Mexico



Hemodialysis patients
n = 85



October 2022

Intervention



Patient Health Questionnaire-9
Depressive symptoms



Malnutrition Inflammation Score



IL-6 & IL-10 levels



SNP
IL-6 & IL-10

SNP, single nucleotide polymorphism

Results



49.4% perceived their health status as regular



Cytokine levels
IL-6: 37.33 pg/mL
IL-10: 22.33 pg/mL



85.9% had some degree of malnutrition



°IL-6-572 G/C
No effect on PHQ-9 score (GC–GG, $\delta = 0.1$)



50.6% reported minimal to severe depression



°IL-10-1082 A/G
small effect on symptom severity (GG–AA, $\delta = -0.35$)

Conclusion We identified IL-10 as an inflammatory determinant for associated morbidity and that IL-6-572 G/C and IL-10-1082 A/G SNPs contribute to the severity of malnutrition–inflammation and depressive symptoms.

Villanueva R *et al*
@RoRvm

VA by Denisse Arellano
@denisse_am