

MO606 FUNCTIONAL CAPACITY AND NUTRITION-INFLAMMATION BINOMIUM IN PATIENTS WITH ADVANCED CHRONIC KIDNEY DISEASE (ACKD)

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BACKGROUND AND AIMS: There are different factors that will influence the functional capacity of ACKD patients, among them the nutritional condition.
AIM: to assess the functional capacity of ACKD patients with the Short Physical Performance test Battery (SPPB), and its relationship with the malnutrition-inflammation binomium.
METHOD: We have evaluated 216 ACKD patients, 66.2% (143) male. age 70.85 ±12.01 years, being female older than male (72.58 ±13.19 vs 69.96 ±11.32, p = 0.129). We have determined plasma proteins indicators of nutritional status such as albumin, prealbumin and CRP as a marker of the status of inflammation. And we have applied malnutrition inflammation score (MIS).
RESULTS: In the univariate analysis, we found an association between the functionality determined with the test and the age (RR95% 0.866 p = 0.000), sex (RR95% 0.387 p = 0.005), albumin (RR95% 2.222 p = 0.035), prealbumin (RR95% 1.065 p = 0.018), CRP (RR95% 0.733 p = 0.022) and the state nutritional value determined with the MIS scale (RR95% 0.791 p = 0.000). We do not find any association with DM, transferrin and total lymphocytes. Albumin values were established as 3.8g / dl, and CRP at 1g / dl, obtaining 4 groups: (G1: alb > 3,7-PCR <1, G2: alb > 3,7-PCR > 1, G3: alb <3,7-PCR <1 and G4: alb <3,7-PCR > 1). The table shows the results of the relationship between groups and the limitations determined with SPPB. Group 1 was the most numerous, also being the one with the best nutrition-inflammation profile, observing that in this group 68 patients (78.2%) presented minimal / no limitations.
CONCLUSIONS: 1. The nutritional-inflammation status will influence the functional capacity of the patient with ERCA.
 2. The SPPB test, in addition to being a good choice to evaluate the functional capacity of patients with ACKD, can provide guidance on the nutritional status of patients.
 3. Maintaining a good nutritional status will also have a positive influence on the functional capacity of ACKD patients.

MO606 Table 1: Transplant Kidney Biopsy Findings from Positive COVID-19 Cases

| | G1: Alb>3.8 * CRP<1 | G2: Alb>3.8 * CRP>1 | G3: Alb<3.8 * CRP<1 | G4: Alb<3.8 * CRP>1 | *p |
|-----------------------|---------------------------|---------------------------|---------------------------|---------------------------|-------|
| Severe limitations | 66.7% (8) | 0,0% (0) | 25% (3) | 8.3% (1) | 0.012 |
| Moderates Limitations | 64.9% (24) | 27% (10) | 0,0% (0) | 8.1% (3) | |
| Mild Limitations | 83.3% (65) | 7.7% (6) | 6.4% (5) | 2.6% (2) | |
| Minimal Limitations | 78.2% (68) | 10.3% (9) | 5.7% (5) | 5.7% (5) | |

* P<0.05 (sig.) (Fisher test)