

AKI AND CKRT IN PATIENTS WITH COVID-19 SUPPORTED ON ECMO: A SINGLE CENTER EXPERIENCE IN MEXICO.

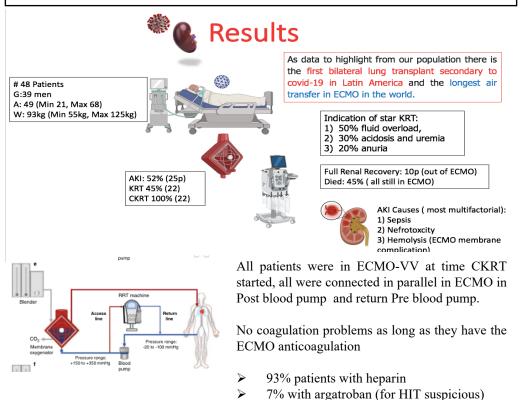


Lilia Rizo-Topete^{1,3}, Rene Gómez², Verónica Contreras², Silvia Borja², Sergio Sánchez¹, Uriel Chavarría¹, Alicia López¹ ¹Department of Internal Medicine, Hospital Christus Muguerza Alta Especialidad, UDEM, Monterrey, México. ² ECMO Unit, Hospital Christus Muguerza Alta Especialidad, UDEM, Monterrey, México. ³Nephrology Service, Hospital ³Nephrology Service and Internal Medicine Department, Hospital "José Eleuterio González", UANL, Monterrey, México.

Background and Aims: AKI is a common complication in critically ill patients, during the COVID-19 pandemic, it has been presented directly associated with damage by the virus, due to the severity of the disease and secondary to treatment, that is, secondary to the Crosstalk of organs and the crosstalk of support equipment, such as the extracorporeal oxygenation membrane (ECMO), which has been used in patients with severe respiratory failure. According to the international bibliography, the incidence of AKI in ECMO ranges from 26 to 85% depending on the characteristics of the patient, the percentage that requires KRT is around 45%.

Objective: Our hospital is a national reference center for ECMO support therapy as for lung transplantation, it is the only center that has an active program, so understanding the epidemiology of AKI associated with ECMO in our population is important, in addition to representing an part of the experience in Latin America.

Method: Retrospective and Descriptive study. Were included all patients 18y or older connected to ECMO with diagnosis of severe pneumonia for COVID-19 from June 2020 to August 2021. Data was collected in excel and using the ECMO Team platform data that is shared in the ELSO. Descriptive data analysis was performed with SPSS V21 and excel.



Conclusion: In our center the AKI, KRT and mortality in patients with ECMO it is much like other centers reported. In COVID-19 there is not yet very clear evidence and more studies should be done. This is the first study in Mexico about ECMO, AKI and COVID-19.

on AKI&CRI

June 14-16, 2022

SPECIAL EDITION