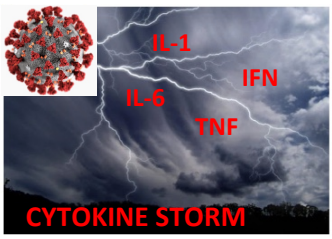
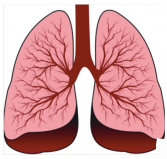
BLOOD PURIFICATION THERAPY WITH A HEMODIAFILTER FEATURING ENHANCED ADSORPTIVE PROPERTIES FOR CYTOKINE REMOVAL IN PATIENTS PRESENTING COVID-19

Lorenzo Foti; Eleonora Terreni; Francesco Magiotti; Francesca Fabrizi; Gianluca Villa; Stefano Romagnoli
Department of Health Science, Section of Anesthesia and Critical Care, University of Florence,Florence, Italy;

OBJECTIVE

To investigate the role of extracorporeal blood purification with a hemodiafilter characterized by enhanced cytokine adsorption properties in COVID-19 critically-ill patients.





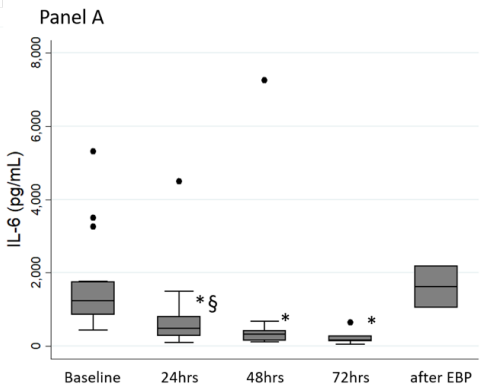
METHOD

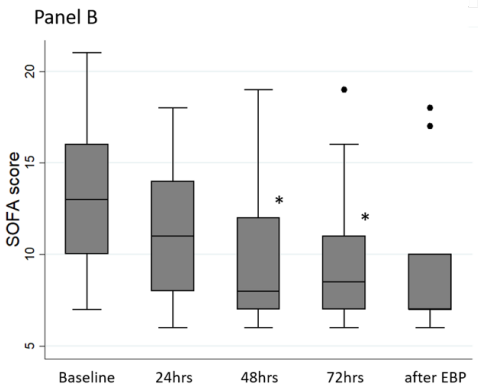
oXirisNet Registry (www-arrt.eu)

- Observational prospective study
- Enrollment: February - April 2020
- Endpoints:
  Variation of IL-6
  SOFA score
  Mortality rates
  Adverse events

RESULTS

- 37 patients
- Mortality rates calculated as APACHE IV were 12% lower following treatment
- One infection of vascular access during RRT





CONCLUSION

Treatment was feasible and safe and associated with a decrease of:

⬇ SERUM IL-6 ⬇ SOFA score ⬇ EXPECTED MORTALITY

38th Vicenza Course on AKI&CRRT
a week of virtual meetings
2-6 November 2020