

Oxiris Membrane Performance In Patients With Septic Shock And Continuous Kidney Replacement Therapy Requirement: A Randomized Controlled Trial



Adrián Caballero-Islas¹, Pablo Galindo Vallejo², Noemi Del Toro-Cisneros¹, Cruz Mendoza Néstor¹, Félix-Bauer Karina¹, Mauricio Arvizu Hernández¹, Ricardo Correa-Rotter¹, Olyнка Vega-Vega¹

¹Instituto Nacional de Ciencias Médicas y Nutrición Salvador Zubirán, Mexico City, Mexico
² ISSEMyM Ecatepec. Mexico.

INTRODUCTION

- Highly selective semipermeable Oxiris membranes: endotoxin adsorption and removal of different inflammatory cytokines
- These membranes could improve hemodynamic stability in patients with septic shock and continuous kidney replacement therapy (CKRT) requirement

AIM

To compare clinical efficacy of CKRT using :

Oxiris



AN69 Standard

Mean arterial pressure with a lower vasopressor dose

METHODS AND MATERIALS



RCT in 2 centers



Critically ill patients
Invasive mechanical ventilation



Infection

CKRT requirement

Oxiris



CVVDHF

30mL/kg/h



72 h



Hemodynamic stability

AN69 Standard

Regional citrate anticoagulation

Vasopressor index

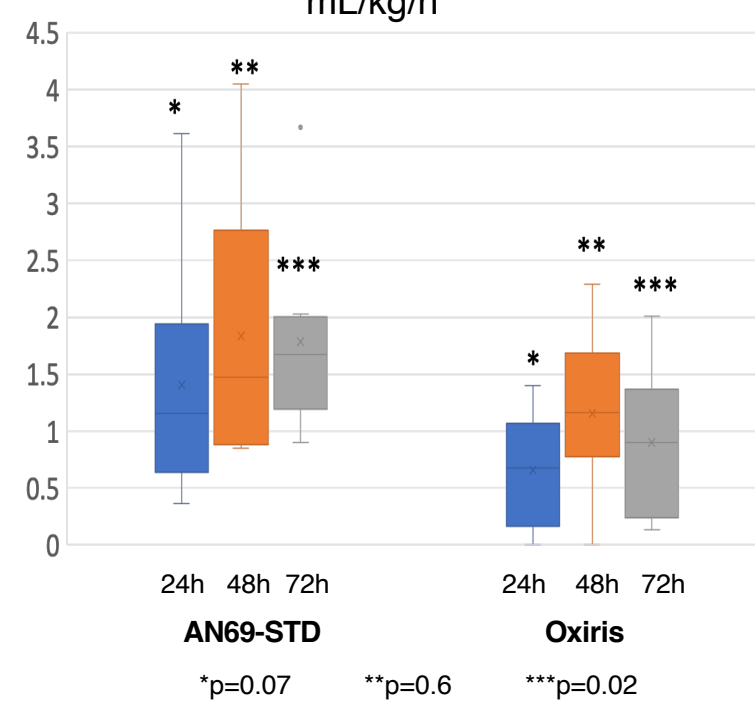
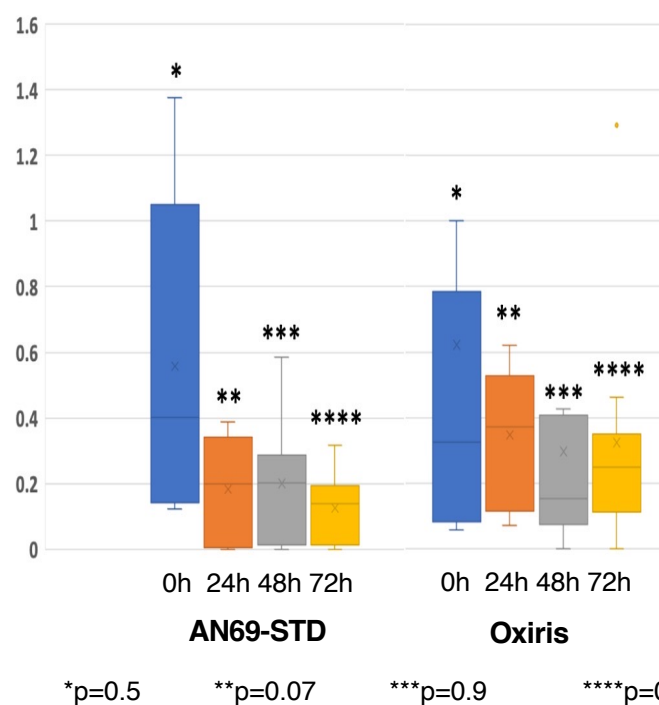
RESULTS

Vasopressor index

Ultrafiltration rate
mL/kg/h

Oxiris n=10 (56%)		70	70	74	79
		0	24h	48h	72h
AN69-STD n=8 (44%)		67	75	78	72
		p=0.5	p=0.1	p=0.5	p=0.3

MAP mmHg



CONCLUSION

No differences in vasopressor requirement in patients with septic shock and CKRT using the Oxiris membrane

adrian.caballero24@gmail.com

@adriancab24



THE 28TH INTERNATIONAL CONFERENCE ON
 ADVANCES IN CRITICAL CARE NEPHROLOGY
AKI & CRRT 2023

MARCH 29 - APRIL 1 SAN DIEGO, CALIFORNIA