

Optimising VA-ECMO care

sights from cardiac center without on-site cardiovascular surge

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Declaration of conflict of interest

I herewith declare that concerning the topic of the presentation, I have no conflict of interests



A-ECMO program Univesity Hospital Brno

stablished: 2020

ocation: Internal and Cardiology epartment, University Hospital Brno

eam: Multidisciplinary team of ardiologists, intensivists, perfusionists, and urses.

Availability: 24/7 emergency service

not a primary ECPR center)







A-ECMO program Univesity Hospital Brno

Femoral-femoral apporach + distal protection

Acces to vasculature by nterventional cardiologist

Care managed by CCU staff

Add-on of vascular surgery and nterventional radiology

Two VA-ECMO Available







- 1 Analysis of VA-ECMO data from 2020-2024
- 2 The positives
- 3 The negatives





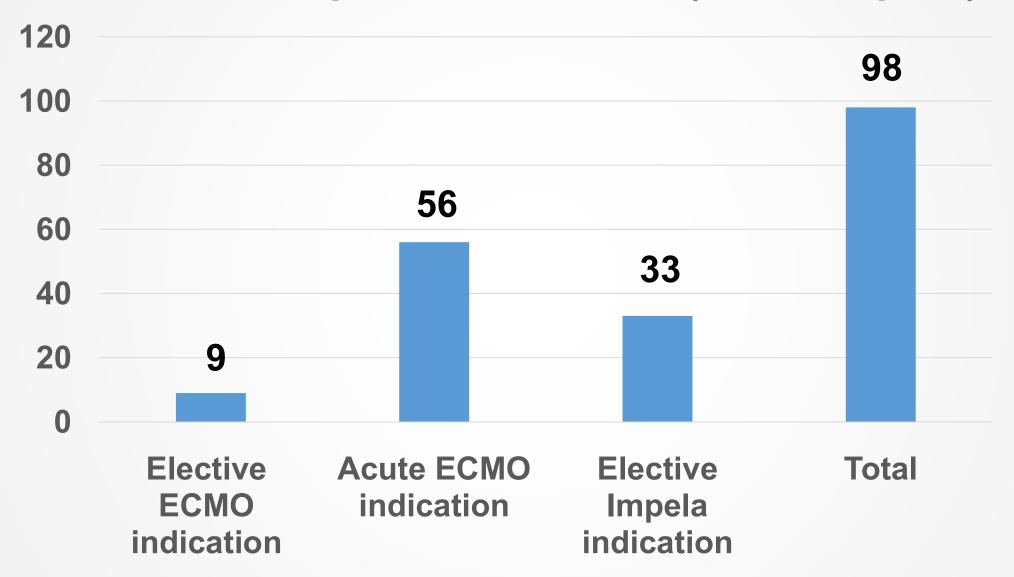


1 Analysis of VA-ECMO data from 2020-2024





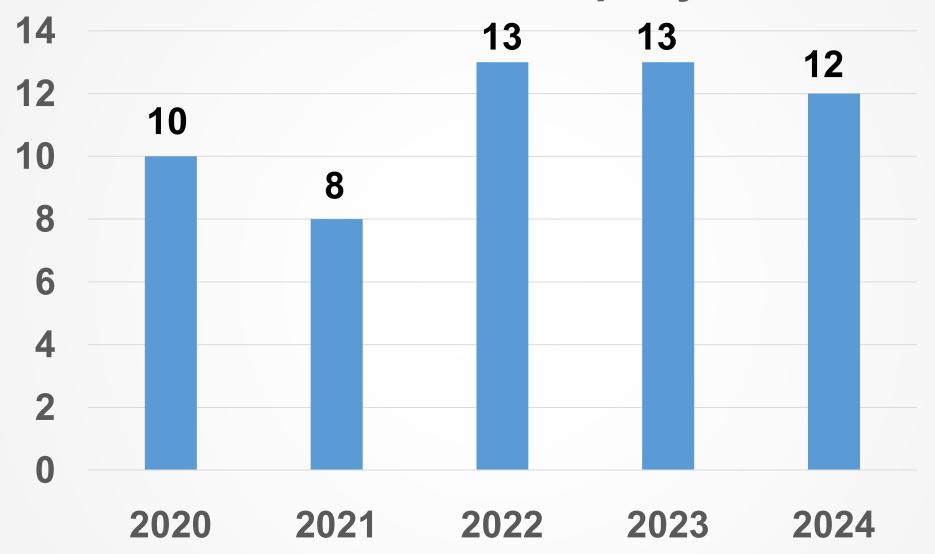
Total number of patients with MCS (ECMO/Impella)







ACUTE-VA-ECMO per year







Obstructive shock (Pulmonary embolism)

Sepsis induced cardiomyopathy

Acute coronary syndrome with CS

Fulminant myocarditis

Extensive burns associated with cardiogenic shock ncessant ventricular tachykardia

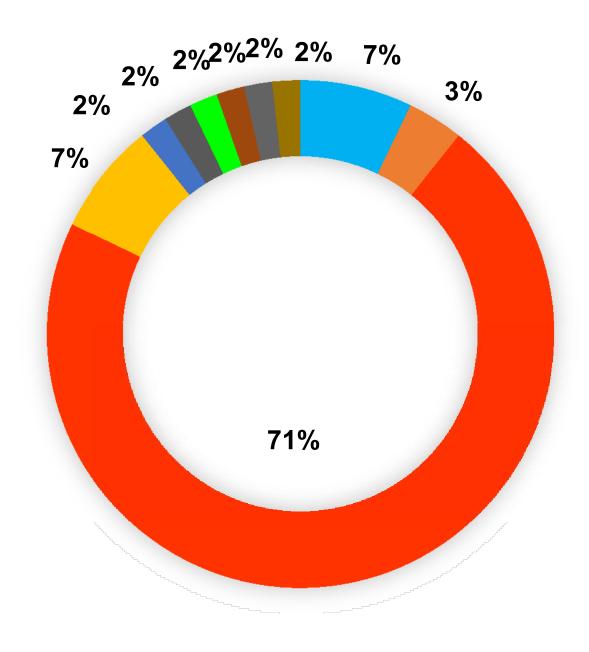
Severe Hypotermia

with CS

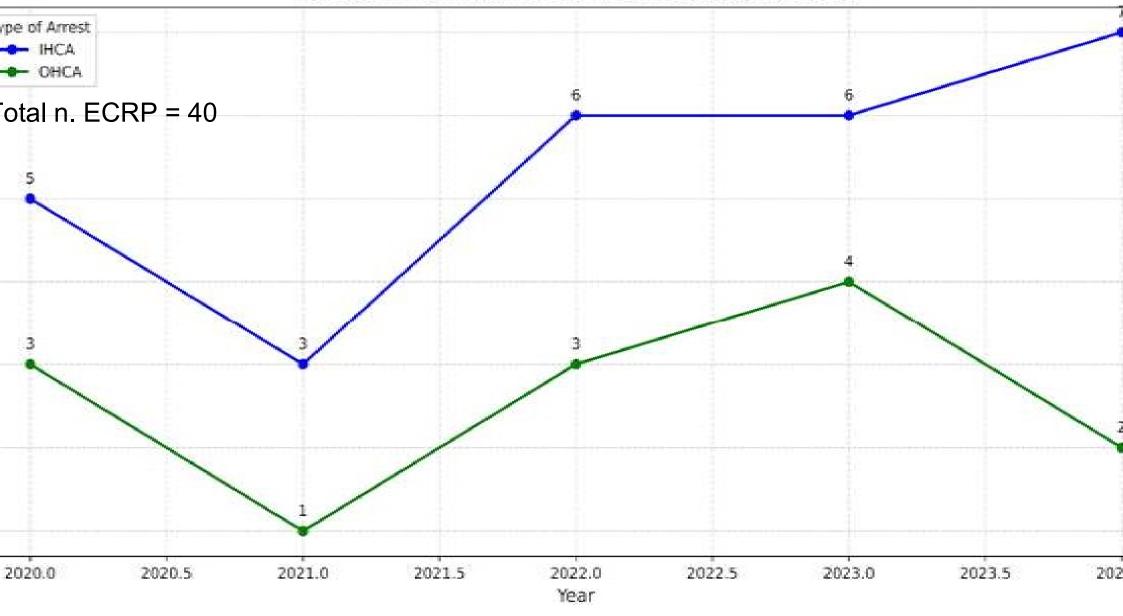
Fulminant peripartal CM

Fulminant TakoTsuboCM

EndStage dCM

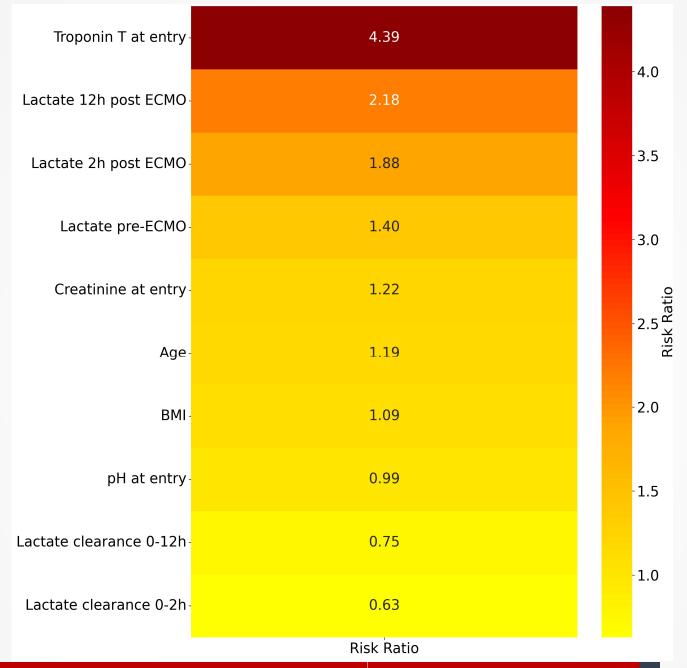


Trends in IHCA vs OHCA ECMO CPR Cases Over Years



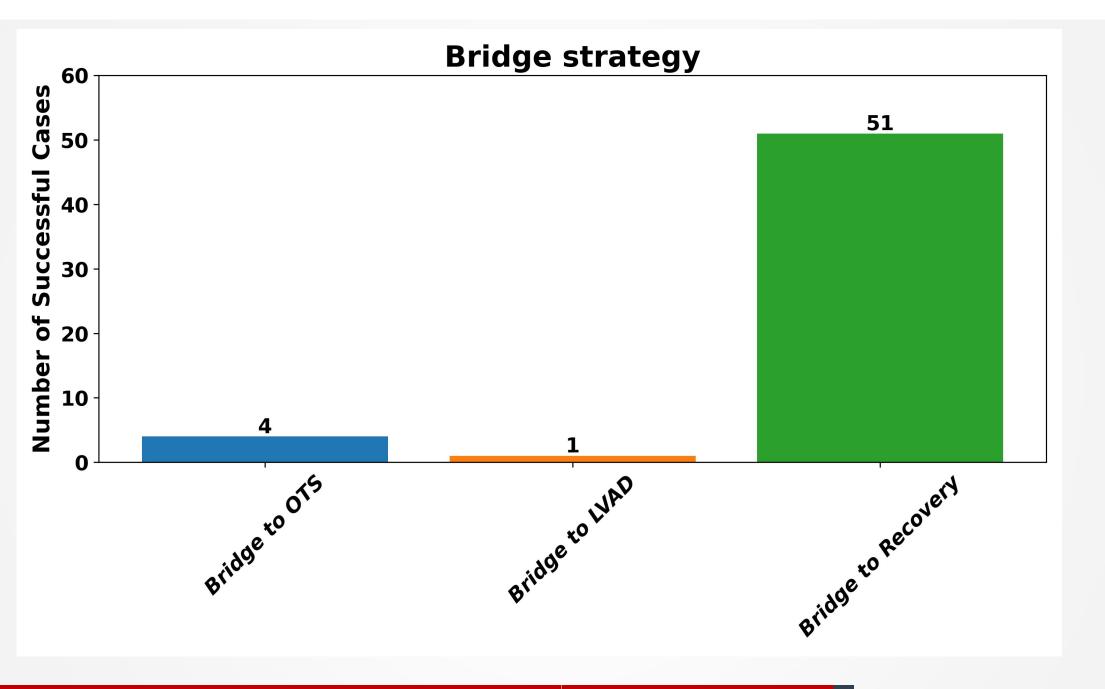








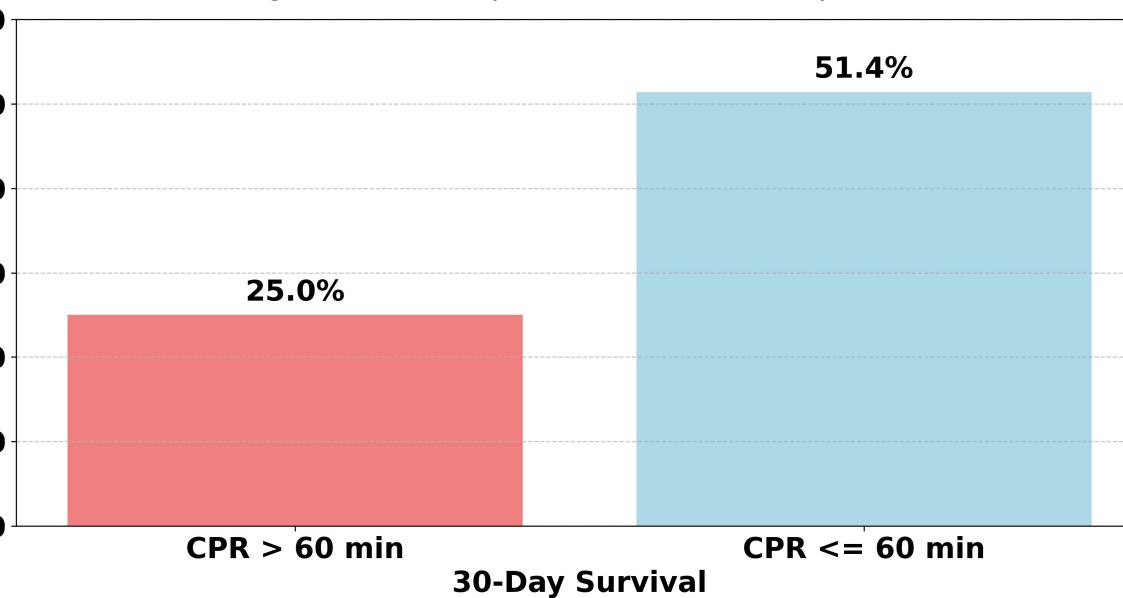






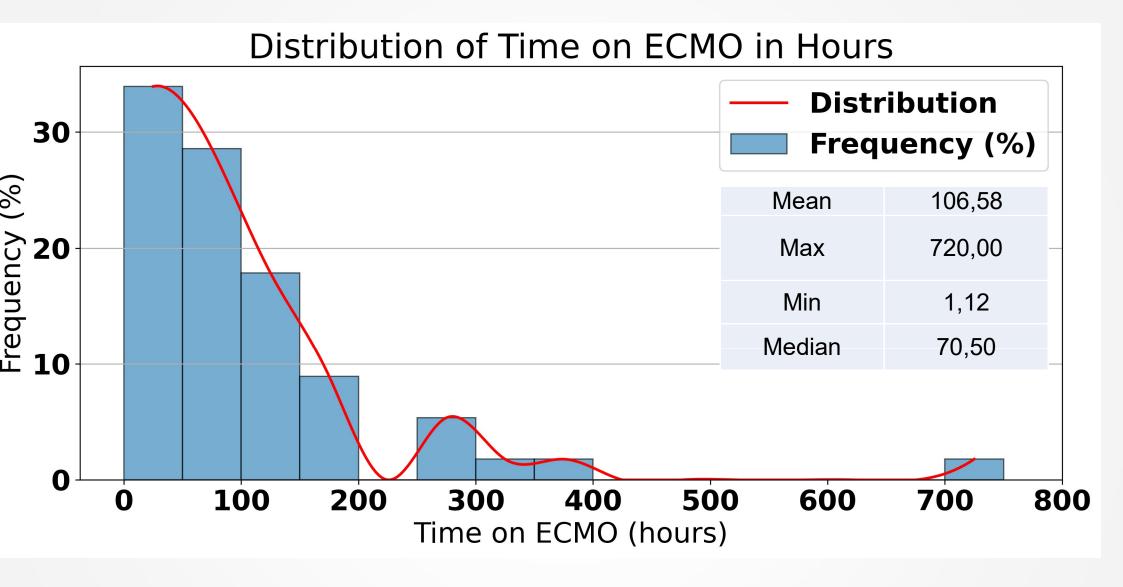


Effect of Lenght of CPR (no flow/slow flow) on survival



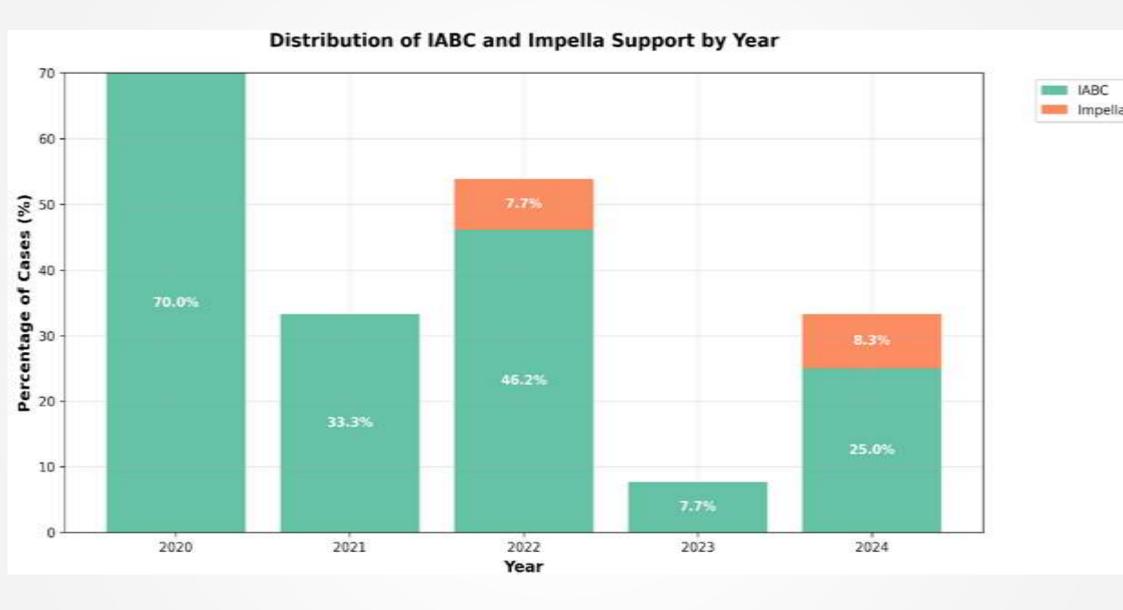














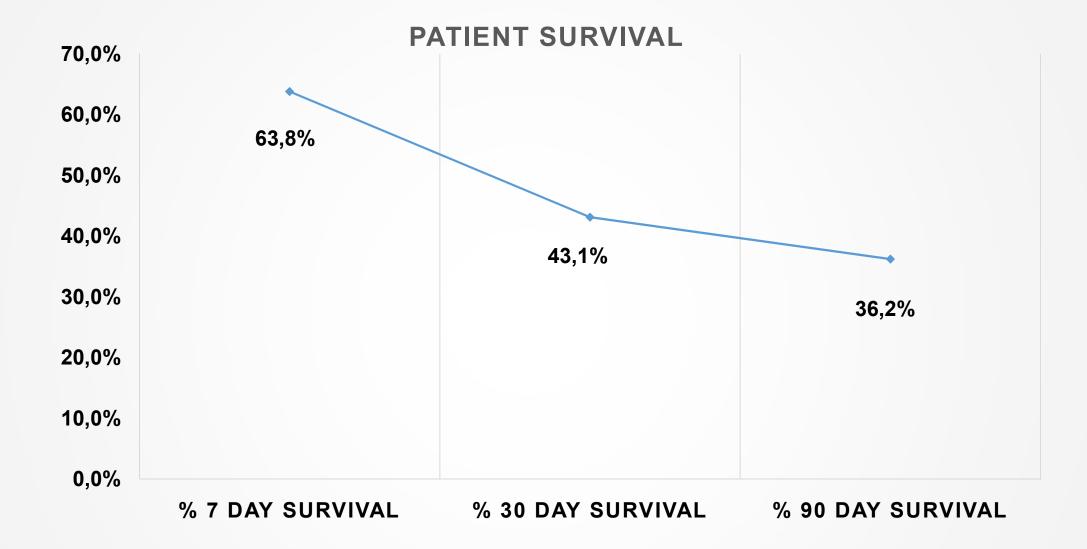




2 The positives

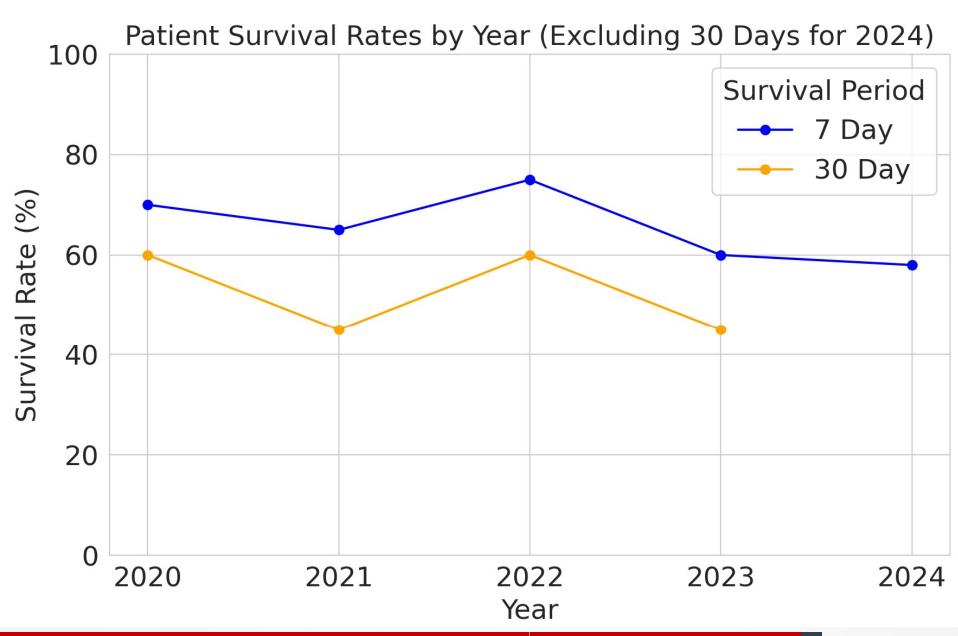








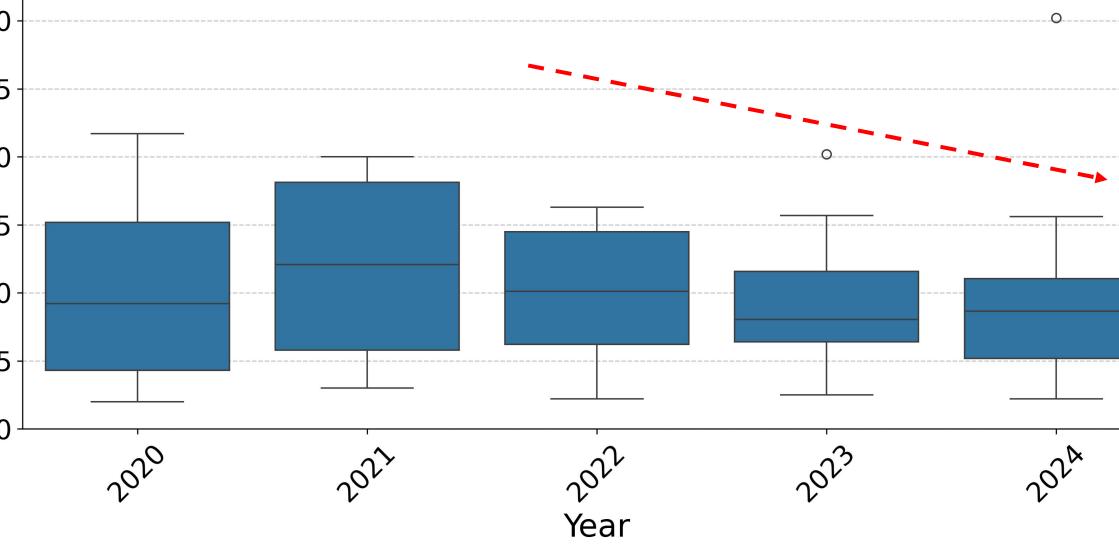








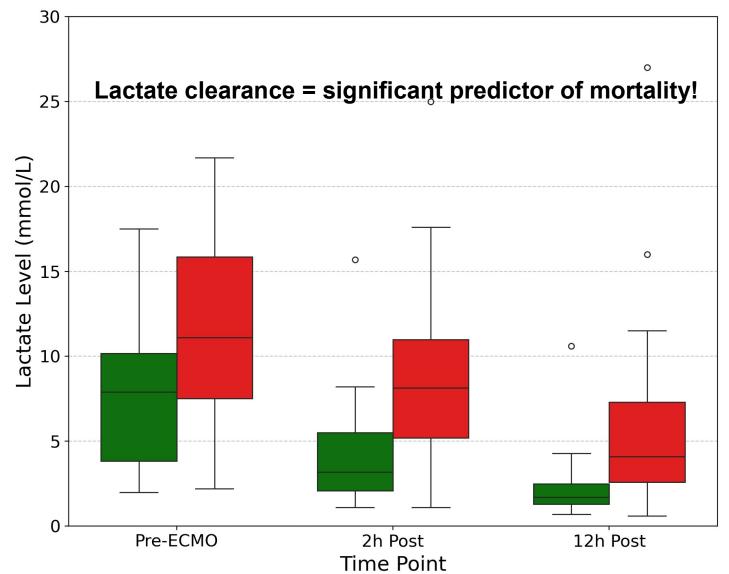








Distribution of Lactate Levels by Time Point and 30-Day Survival







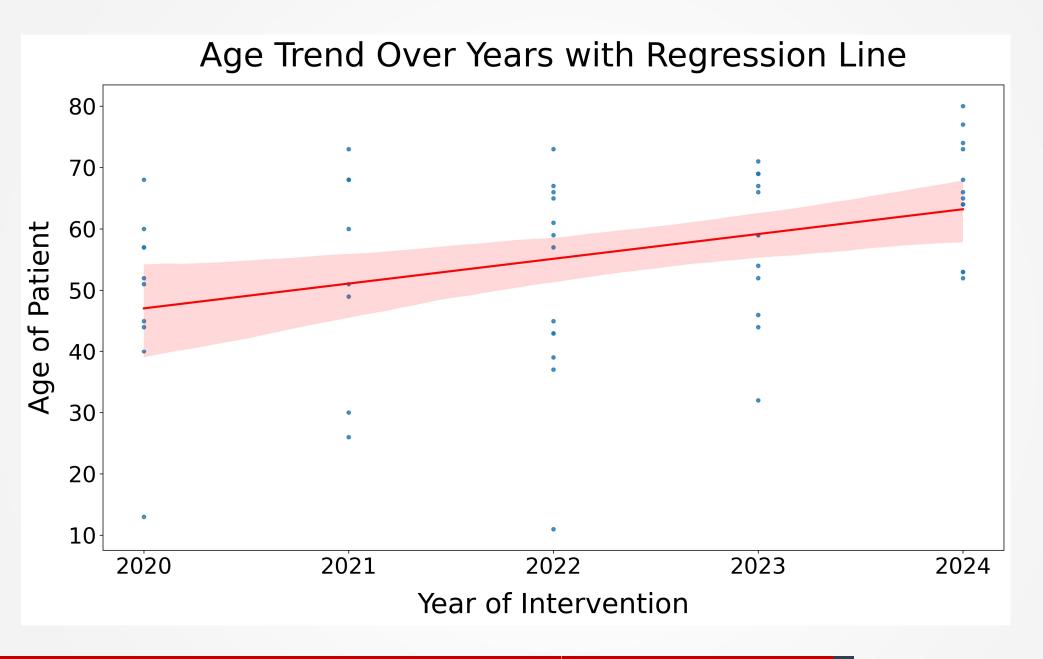




3 The negatives

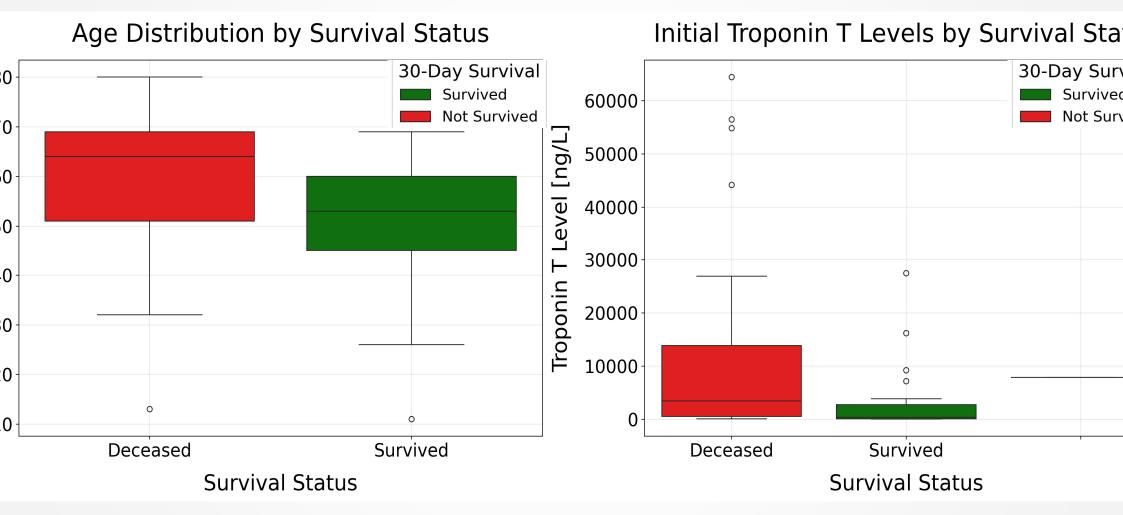






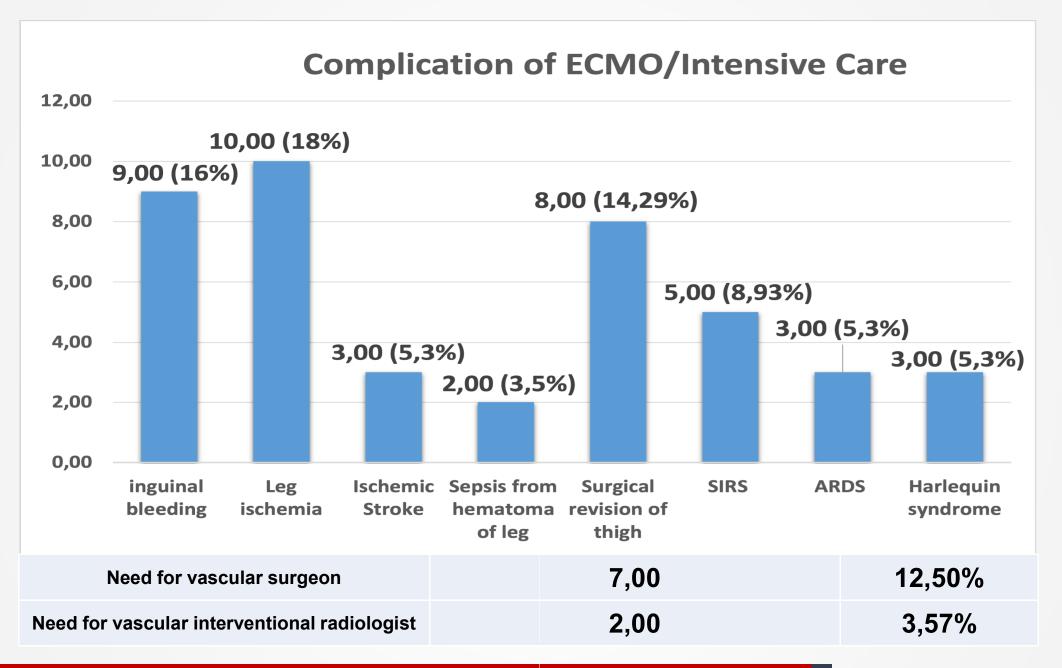


















Thank you for your attention





