

Propositions pertaining to the PhD-thesis

Clinical Features of Short- and Long-term Mechanical Circulatory Support

Sakir Akin

1. Microcirculation is the golden key of the circulatory response to mechanical circulatory support in critical illness and cardiogenic shock (*this thesis*).
2. Outcome in patients under VA-ECMO can be predicted six hours after admission in the ICU by measuring the sublingual microcirculation (*this thesis*).
3. In patients with cardiogenic shock needing VA-ECMO, sublingual single spot microcirculatory measurements predict weanability (*this thesis*).
4. EUROMACS Right heart failure Risk Score should be used in the hart team meetings before planning an LVAD implantation to prevent early mortality due to severe right sided heart failure (*this thesis*).
5. ¹⁸F-FDG PET/CT imaging provides accurate information on the localization and extent for LVAD specific and/or related infections as early as 3 weeks post-implantation (*this thesis*).
6. Right ventricular failure remains the Achilles' heel of modern LVAD therapy (*Ranganath et al. Curr Opin Organ Transplant 2018; 23*).
7. Eine systematische Einbindung und die Fortbildung der mitbetreuenden niedergelassenen Kollegen, der tertiären Krankenhäuser sowie der notärztlichen Erstversorger ist unabdingbar, um die notwendige Qualität der Nachsorge von LVAD-Patienten zu gewährleisten (*A. Ujeyl und M. Krüger; Herz 2015 Nov 40;972-979*).
8. Therapy for shock should be based on pathophysiological alterations rather than on protocols (*Professor Max Harry Weil; Crit Care. 2012 Nov 20; 16(6):239*).
9. All fluids have problems, and volume is prime (*Can Ince and A.B. Johan Groeneveld; Kidney International 2014 July 9*).
10. Accountability is the foundation of a cohesive and productive team (*Charlsea Prichard; Nursing management 2017 Nov; 10-12*).
11. Everything that is really great and inspiring is created by the individual who can labor in freedom (*Albert Einstein*).