

5 Things to Know about VA ECMO for Refractory Cardiogenic Shock

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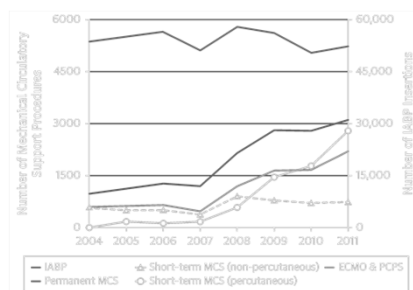


No Disclosures
VA ECMO = Venoarterial Extracorporeal Membrane Oxygenation
MCS = Mechanical Circulatory Support

1

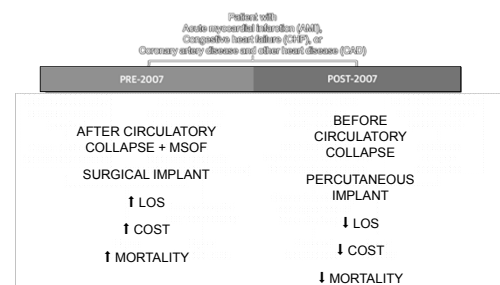
Timing is Critical

Rapidly Increasing Utilization of Temporary MCS



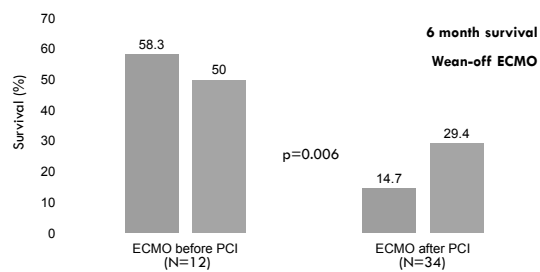
JACC 2014;64:1407-1415

Paradigm Shift in Use of Temporary MCS



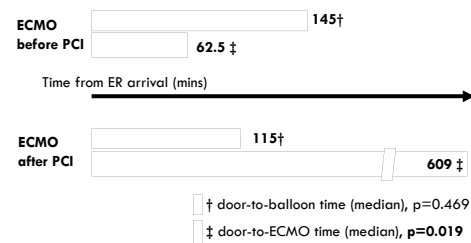
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Think Door-to-ECMO Before Door-to-balloon

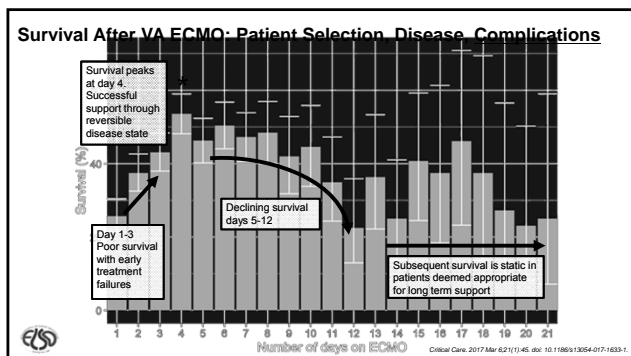


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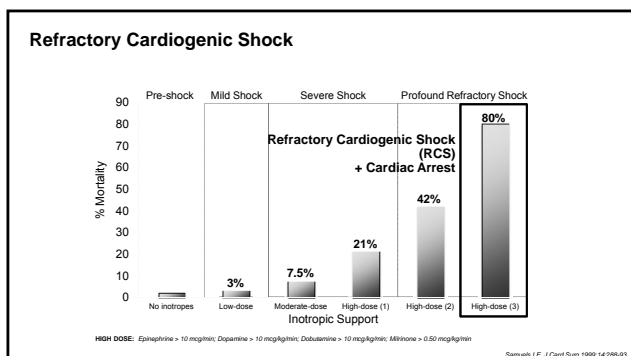
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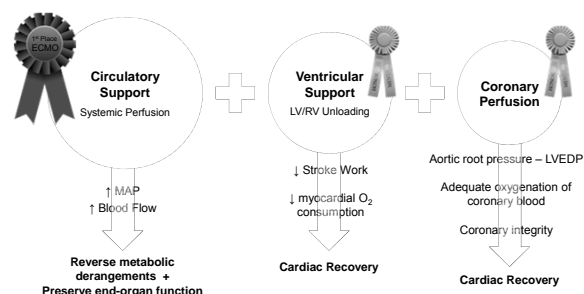
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ECMO Achieves Rapid and Robust Circulatory Support

But it's not perfect

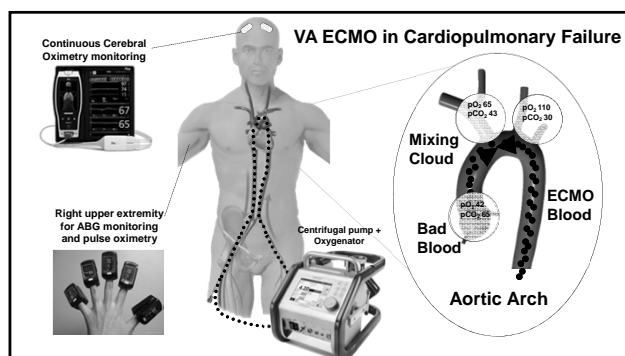


Goals of Temporary MCS



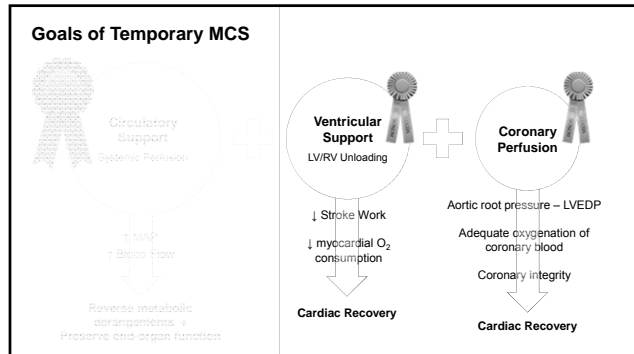
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Differential Hypoxemia can occur in Cardiopulmonary Failure

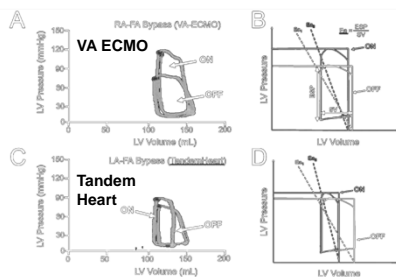


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Retaining LV Pulsatility is Critical



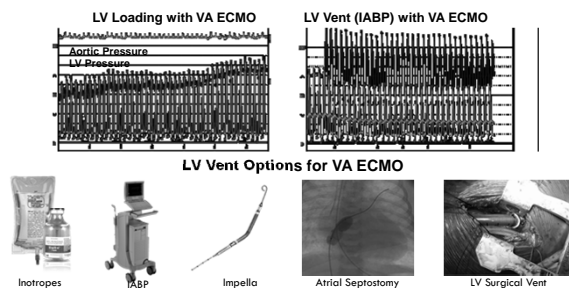
VA ECMO Provides Circulatory Support but not Ventricular Support



Inadequate LV Venting can be Catastrophic

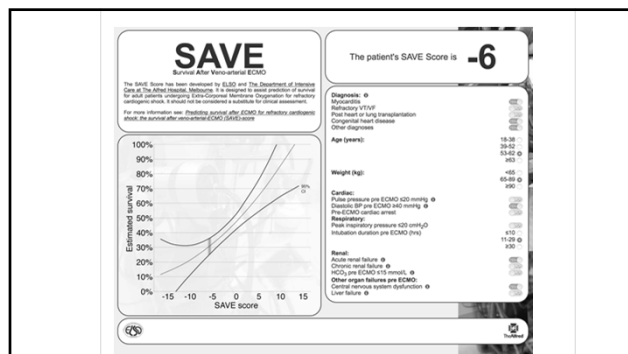


VA ECMO does not unload the LV without an LV Vent Mechanism



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Patient Selection is Critical



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Thank You!

**The ANW CICU/CTICU Nurses and Staff
Specialty Care Perfusionists
Our Patients & Their Families**