

## Neonatal ECMO: be ready!

### Navigating pharmacotherapy and vulnerability through training and monitoring

#### Propositions

1. "ECMO emergencies require effective teamwork and communication; thus inter-professional simulations provide the optimal setting to practice leadership and behavioral aspects" (this thesis)
2. "Sequestration of voriconazole in newer circuits was significant and similar to older silicone-based ones" (this thesis)
3. "Fentanyl and sufentanil are sequestered for a large fraction of the administered dose in the system, soon after injection" (this thesis)
4. "Standardized follow-up protocols among centers and data sharing are important to provide further knowledge and implement interventions to prevent and manage complications, improve quality assistance, and improve the overall quality of life" (this thesis)
5. "Forced oscillation technique allows bedside monitoring of lung mechanics in clinical practice and [...] support clinicians in evaluating disease progression and identifying the optimal timing for ECMO weaning" (this thesis)
6. "Survivors of ECMO treatment in the neonatal period may be prone to develop neurocognitive deficits even in absence of acute neurological events during the phase of critical illness." Hoskote A. et al, Semin Fetal Neonatal Med 2022.
7. "Doctors who counsel parents about choices for a sick baby in the NICU have a responsibility to be aware of the ethical complexity of their role as choice architects." Lantos JD. N Engl J Med 2018 Nov 8;379(19):1851-1860.
8. "Turns out not where but who you're with that really matters". Terrie EI. Ped Res 2020 Oct; 88(4): 533
9. "Reading aloud in the NICU enhances language enrichment and supports early foundational relationships." Erdei C et al. Am J Perinatol 2023
10. "Remember that sometimes not getting what you want is a wonderful stroke of luck" Dalai Lama, The Art of Happiness
11. Curiosity killed the cat

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