

# ECMO TEAM IN TARTU UNIVERSITY HOSPITAL

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## ECMO CASES IN TARTU UNIVERSITY HOSPITAL 2013-2022



	2013	2014	2015	2016	2017	2018	2019	2020	2021	2022
Pulmonary (V-V)	2	3	5	4	6	3	8	6	27	7
hospital survival %	50	67	60	0	67	33	75	67	52	29
Cardiac (V-A)	3	2	2	2	6	5	4	5	4	5
hospital survival %	0	50	50	50	50	20	0	80	100	100
ECPR	0	0	1	0	1	7	1	1	6	11
hospital survival %			0		100	29	0	100	33	36

# CREATING THE ECMO TEAM

- Growing number of patients
- Better ECPR availability
- better maintenance of machines/keep track on supplies
- Implementing ECMO courses for nurses/doctors
- Eventually starting 24/7 on call system



# ECMO TEAM IN TARTU



- Started 2019
- 9 doctors and 11 nurses
- 2 rotaflows™ + 1 backup
- 2 Sorin™ stockert SCP`s
- 1 centrimag™
- Eurosets™ oxygenator with custom tubing
- Maquet PLS™
- 3 Landing™ CPB monitors with capnographs



# ECMO TEAM IN TARTU

- Special ECMO cart, filled with everything needed to start ECMO
- Regular feedback on cases
- Increasing ecmo nurses role in teaching and troubleshooting
- Encouraging and helping clinicians with ECMO patients





# ECMO CART



- Cannulation kits (100cm x2, 150cm x2, pediatric)
- Arterial cannulas (14F – 21F)
- Venous cannulas (21F-29F)
- Distal perfusion cannulas
- Sterile sets (CVC (5 lumen), Angiography drapes, instrument sets, Ultrasound, gauzes, sutures)
- Disinfectant, sterile Sodium Chloride, Heparin, Cefazolin
- Gillettes, wound dressing, fixation tapes, syringes
- Ecmo checklist, short guide, charting sheet

# NURSES IN ECMO TEAM



- Assembly and priming of ECMO sets
- Nurse/doctor team in assesment and starting ECMO
- Starting and troubleshooting monitoring system
- Helping to maintain neccesary equipment (cannulas, sets, etc)
- Participate in teaching ECMO courses
- 24/7 cover for emergencies





# FUTURE PLANS



- Continue with courses for clinicians
- Wet lab workshops for team members
  
- Find the one piece and became best ecmo team in the world

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