

Pediatric Antibiotic Dosing in Extracorporeal Membrane Oxygenation (PADECMO)

NCT06426836

Status	RECRUITING
Phase	Not Applicable
Sponsor	University Hospital, Ghent
Enrollment	300 participants

Key Eligibility Criteria

Inclusion (5)

- patients admitted to the pediatric intensive care unit or cardiac intensive care unit
- patient age : 1,8 kg-15 years
- patient receiving antibiotic treatment (piperacillin-tazobactam, meropenem, amoxicillin-clavulanate, cephazolin, vancomycin, teicoplanin, ciprofloxacin, amikacin)
- intra-arterial or intravenous access other than the drug infusion line available for blood sampling (arterial line is preferred)
- extracorporeal membrane oxygenation circuit

Exclusion (3)

- no catheter in place for blood sampling
- absence of parental/patient consent
- known hypersensitivity to beta-lactam antibiotics and ciprofloxacin

Locations (3 total)

Queen Fabiola Children's University Hospital, Brussels, Brussels Capital, Belgium
University Hospital, Ghent, Belgium
Universitair hospital, Leuven, Belgium