

Antibiotic Dosing in Pediatric Intensive Care

NCT02456974

Status RECRUITING
Sponsor University Hospital, Ghent
Enrollment 640 participants

Key Eligibility Criteria

Inclusion (4)

- patients admitted to the pediatric intensive care unit
- patient age/weight : 1,8 kg-15 years
- patient receiving antibiotic treatment (piperacillin-tazobactam, amoxicillin-clavulanate, vancomycin, teicoplanin, meropenem, ciprofloxacin, amikacin) via intermittent infusion regimen or continuous infusion according to institutional treatment guidelines
- intra-arterial or intravenous access other than the drug infusion line available for blood sampling (arterial line is preferred)

Exclusion (4)

- no catheter in place for blood sampling
- absence of parental/patient consent
- known hypersensitivity to beta-lactam antibiotics, glycopeptides, fluoroquinolones, aminoglycosides
- extracorporeal circuit (haemodialysis, ECMO, peritoneal dialysis)

Locations (1 total)

Ghent University Hospital, Hospital Pharmacy, Ghent, Belgium