Vol.5 No.7

PerioperativeEchocardiographicHemodynamicParameters and PostoperativeOutcome inPediatricSurgical Patients : Descriptive Observational Pilot Studies



Necker EnfantsMalades University Hospital

Abstract

Two pilot observational trials were elaborated, in pediatric patients scheduled for congenital heart disease surgical repair and in non cardiac pediatric patients (1,2). These studies were under taken to determine perioperative echocar diographic parameters predict ive of postoperative outcomes in terms of morbidity, length of intensive care unit stay (LOSICU), length of mechanical ventilation (LMV), length of hospital stay (LOS), fluid the rapy and vasopressor-inotropic the rapy.

Theseechocardiographichemodynamicparameterswillbeinte grated tworandomizedcontrolled trials (RCT) in inpediatriccardiacsurgery and in non (3,4).cardiacpediatricsurgical patients These **RCT** willdetermine the impact of perioperative goal directedfluid and hemodynamic therapy (PGDFHT) on postoperative outcome in children in terms of postoperative morbidity, LOSICU, LMV, LOS, fluid therapy and vasopressorinotropic therapy. All these clinical trials are part of a Thesis preparationentitled'Do in goal directed the rapies improve postoperative outcomein children? (Perioperative Goal DirectedFluid and HemodynamicTherapy; Transfusion goal directedtherapyusingviscoelasticmethods and enhancedrecoveryaftersurgery and Postoperativeoutcome)'. This Thesis in preparationcanbevisualized at http://www.theses.fr/s232762.



Biography:

Claudine Kumba graduated as a Medical Doctor in 2001 and completed her specialization in Anesthesiology in 2006 at the Free University of Brussels (ULB, Université Libre de Bruxelles), Brussels, Belgium. She has a Pediatric Anesthesia specialization graduation since 2010 from the University of Aix- Marseille, Marseille, France. She has a specialization graduation in Echocardiography applied to Anesthesia and Critical Care from the University of Montpellier 1, 2011-2012, Montpellier, France. She has a Critical Care Medicine specialization graduation since 2014 from the University of Montpellier 1, Montpellier, France. She is preparing her PhD Thesis entitled 'Do goal directed therapies improve postoperative outcome in children ? (Perioperative Goal Directed Fluid and Hemodynamic Therapy; Transfusion goal directed therapy using viscoelastic methods and enhanced recovery after surgery and Postoperative outcome)' at Université de Paris, University of Paris, Paris, France.She has research interests in Transfusion; Goal directed Fluid and Hemodynamic Therapy; Enhanced recovery after surgery in Pediatric Anesthesia and Critical Care. She is a Medical Doctor in Pediatric Anesthesia and Critical Care in Necker Enfants-Malades University Hospital, in Paris, France, She is a member of the European Society of Paediatric Anaesthesiology (ESPA), the French Society of Anaesthesia and Critical Care (SFAR, Société Française d'Anesthésie-Réanimation) and the French Association for Pediatric Anesthesiolgists and Intensivists) (ADARPEF, Association d'Anesthésistes et Réanimateurs Pédiatriques d'Expression Française).

Speaker Publications:

C, Kumba Raisky O, **Bonnet** D, TréluyerJM.PerioperativeEchocardiographicHemodynamicPara meters and PostoperativeOutcome PediatricCongenitalHeartDisease: A Descriptive Observational Prospective Pilot Study Protocol. PediatrNeonat Care; 2019; 5: 160.



Vol.5 No.7

2)Kumba C. Tréluyer JM. PerioperativeEchocardiographicHemodynamicParameters and PostoperativeOutcome in PediatricSurgical Patients: A Descriptive Observational Prospective Pilot StudyProtocol. ResPediatrNeonatol. 4(1). RPN 000580.2019 3) Kumba C, Raisky O, Bonnet D, Treluyer JM. "Perioperative DirectedFluid HemodynamicTherapywithEchocardiography in PediatricCongenitalHeartDisease: A Study Protocol". EC Paediatrics 2019; 8(12): 1-7. C, 4) Kumba Tréluyer JM. PerioperativeEchocardiographicHemodynamicParameters and PostoperativeOutcome in PediatricSurgical Patients: A Descriptive Observational Prospective Study Protocol.Manuscriptwithpending publication.

5th World Congress on Advanced Clinical Trials and Clinical ResearchJuly 22-23, 2020 Melbourne, Australia

Abstract Citation:

PerioperativeEchocardiographicHemodynamicParameters and PostoperativeOutcome inPediatricSurgical Patients : Descriptive Observational Pilot Studies, Clinical Research 2020, 5th World Congress on Advanced Clinical Trials and Clinical Research July 22-23, 2020 Melbourne, Australia

(https://clinicaltrials-

research.pharmaceuticalconferences.com/abstract/2020/periope rativeechocardiographichemodynamicparameters-and-postoperativeoutcome-inpediatricsurgical-patients-descriptive-observational-pilot-studies)