

Stellingen behorende bij het proefschrift

Analgoesedatives in the PICU – more than sleep alone

1. Pre-emptive use of sedatives to decrease metabolic demand and improve hemodynamic stability after high-risk heart surgery in children is not justified. _this thesis
2. Bioavailability of oral paracetamol is lower than usually assumed (70%) and varies greatly between patients leading to unreliable and potentially low exposure. _this thesis
3. To derive rational oral doses from intravenous doses, accurate estimation of interindividual variability is as important as bioavailability data. _this thesis
4. Despite its bradycardic and hypotensive effect, continuous intravenous clonidine is hemodynamically well tolerated in children admitted to the pediatric intensive care. _this thesis
5. During combined use of extracorporeal membrane oxygenation (ECMO) and continuous veno-venous hemofiltration, clonidine dosing in children needs to be increased. _this thesis
6. “A growing body of data from studies in animals suggests that under certain circumstances, such as prolonged anesthesia, these drugs could adversely affect neurologic, cognitive, and social development of neonates and young children. We believe that these findings should be of concern to the scientific and medical communities.” (Bob Rappaport, NEJM 364;15; 2011)
7. Dexmedetomidine and clonidine are the only drugs that have been shown to reduce anaesthetic-induced apoptosis and also prevent subsequent decline in cognition (although neither are completely attenuated). (R. D. Sanders et al, British Journal of Anaesthesia 110 (S1): i53–i72; 2013)
8. Neurodevelopment should be protected as much as possible as: « Even for the simple flight of a butterfly, the whole sky is required. » (Paul Claudel)
9. “...absence of evidence is not evidence of absence”. Absence of evidence is evidence of absence only in case in which, were the postulated entity to exist, we should expect to have more evidence of its existence than we do.” (The Cambridge Companion to Atheism; William Lane Craig)
10. « The greatest obstacle to discovery is not ignorance—it is the illusion of knowledge. » (Daniel J. Boorstin)
11. « Celui qui vit sans folie n'est pas si sage qu'il le croit. » (François, duc de La Rochefoucauld)