

FROM BABY STEPS TO MATURE STRIDES

Maturation of drug metabolism and transport studied using innovative approaches

1. Pediatric [^{14}C]microtracer studies can be used to safely study oral bioavailability and metabolism of drugs (*this thesis*)
2. Metabolite in safety testing (MIST) studies with [^{14}C]microtracers are an interesting opportunity to increase efficacy and safety in pediatric drug development and current drug therapy (*this thesis*)
3. Variability in oral bioavailability of midazolam leads to unpredictable systemic exposure to midazolam - and potentially other CYP3A-substrates - after oral dosing in children (*this thesis*)
4. Transporter maturation patterns are isoform and organ dependent and can contribute to age-related differences in drug disposition (*this thesis*)
5. Developmentally regulated alternative splicing of *SLCO1B1* may have implications for the functional activity of the OATP1B1 transporter in children (*this thesis*)
6. Off-label drug use is not the same as off-evidence drug use (*van der Zanden, Arch Dis Child 2017*)
7. Pharmacists are experts on pharmacotherapy; they should be allowed to prescribe drugs based on the diagnosis provided by the physician
8. Optimal cooperation between universities and the pharmaceutical industry offers great opportunities at all stages of the drug development process (*van der Meer, Royal Netherlands Academy of Arts and Sciences 2005*)
9. Buying a noise cancelling head phone is a good investment to survive a noisy open office (*based on Harvard Business Review 2018*)
10. Exercise is an effective way for students to cope with stress, especially during academic demanding times (*Giacobbi, Psychology of Sport and Exercise 2007*)
11. If you can't explain it simply, you don't understand it well enough (*Albert Einstein*)