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Universiteit Leiden



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Title: Size does matter : drug glucuronidation in children

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**Propositions to the thesis:
“Size does matter – Drug glucuronidation in children.”**

1. Size is a surrogate descriptor of maturation, quantifying the net result of the influence of developmental alterations in all processes underlying drug glucuronidation in children. – *this thesis*
2. Maturation of drug glucuronidation in children younger than three years is best described by a bodyweight-based exponential equation with an exponent of 1.44. – *this thesis*
3. The concept of “system-specific properties” must be extended to include temporal changes in the physiological system of the paediatric population. – *M. Danhof et al., Annu. Rev. Pharmacol. Toxicol. 2007 & this thesis*
4. Model evaluation and validation are critical factors in the development of population pharmacokinetic models for children. – *this thesis*
5. Population modeling is an essential tool in the development of evidence-based paediatric dosing algorithms.
6. While in 1892 it was stated that “If it were not for the great variability among individuals, medicine might be a science, not an art”, nowadays population modeling introduces science to the art of medicine. - *based on Sir William Osler, The Principles and Practice of Medicine.*
7. It is a capital mistake to theorize before one has data. Insensibly one begins to twist facts to suit theories, instead of theories to suit facts. – *Sir Arthur Conan Doyle*
8. Who thinks that knowledge is expensive, does not know the cost of stupidity nor what ignorance inflicts. – *Alexander Rinnooy Kan*
9. Modeling isn't boring. – *Amber Valletta*
10. The whole problem with the world is that fools and fanatics are always so certain of themselves and wiser people so full of doubt. – *Bertrand Russel*
11. There are two primary choices in life; to accept conditions as they exist, or accept the responsibility for changing them. – *Denis Waitley*
12. A good laugh and a long sleep are the two best cures for anything – *Irish proverb*

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