

Cover Page



Universiteit Leiden



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Title: Concepts and applications for evidence-based dosing in morbidly obese patients before and after weight loss surgery

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Propositions to the thesis

CONCEPTS AND APPLICATIONS FOR EVIDENCE - BASED DOSING IN **MORBIDLY OBESE PATIENTS** BEFORE AND AFTER WEIGHT LOSS SURGERY

1. Microdialysis tissue penetration measurements are indispensable in deriving guidelines for prophylactic anti-infective drugs in morbidly obese patients. - *this thesis*
2. Change in volume of distribution can be a single significant factor for dose adjustment in morbidly obese patients. - *this thesis*
3. Patients who have lost weight after weight loss surgery are not identical to individuals with the same bodyweight who have never been obese. - *this thesis*
4. Physiologically based pharmacokinetic modeling is crucial for characterizing the influence of obesity and weight loss surgery on midazolam clearance. - *this thesis*
5. There is no typical "obese" or "weight loss surgery" patient: they are part of heterogeneous populations with varying body shape, -size and -status.
6. A multi-disciplinary research team including bariatric surgeons, bariatric nurses, anesthesiologists and clinical pharmacologists is needed to gain insight in the changes in drug response in morbidly obese and weight loss surgery patients.
7. Publication and implementation of the results of clinical research deserve equal attention.
8. Without communicative and social skills, clinical research cannot be performed.
9. The only people we can think of as normal are those we don't yet know very well.
- *Alain de Botton*
10. A scientific career is only attractive when you are married to someone with a permanent contract.
11. Everyone should know the Scout Law.

Margreke J.E. Brill,
Leiden, 3 December 2015