

## STELLINGEN

1. Therapeutic drug monitoring of PEGasparaginase leads to a dose reduction with adequate asparaginase activity levels, but has limited effect on asparaginase-related toxicity. *(this thesis)*
2. PEGasparaginase clearance is higher in patients with a larger body surface area, during an infection, and during the induction phase of acute lymphoblastic leukemia treatment. *(this thesis)*
3. Allergic-like reactions to asparaginase mimic neutralizing allergic reactions but occur later after start of infusion, and patients do not have to switch formulations for effective treatment. *(this thesis)*
4. Therapeutic drug monitoring of asparaginase leads to less expensive dosing of asparaginase when vials can be shared between patients. *(this thesis)*
5. Part of the patients with a hypersensitivity reaction to PEGasparaginase have antibodies against the PEG moiety and the linker connecting PEG to asparaginase. *(this thesis)*
6. It will be of great importance to tailor therapy for individual patients according to early response to therapy so that the intensity of therapy can be reduced or augmented. *Pieters – Pediatric Clinics of North America 2008; 55(1):1-20*
7. A model is a lie that helps you see the truth. *Howard Skipper, quoted in the book The emperor of all maladies: a biography of cancer – Siddhartha Mukherjee*
8. The concentration measured must always be interpreted in light of the clinical response, the demographics and clinical status of the individual patient, the dosage regimen used, the indication for therapeutic drug monitoring and the pharmacokinetic characteristics of the drug. *Gross – British Journal of Clinical Pharmacology 1998; 46(2):95-99*
9. There are two kinds of truth. There are superficial truths, the opposites of which are obviously wrong. But there are also profound truths, whose opposites are equally right. *Niels Bohr, quoted in the book Sophie's World – Jostein Gaarder*
10. Measure what can be measured, and make measurable what cannot be measured. *Galileo Galilei*
11. When you can't change the direction of the wind – just adjust the sails. *Jackson Brown Junior*