

STELLINGEN (PROPOSITIONS)

Behorende bij het proefschrift:

Propositions associated with the thesis:

Immunomodulation by Dietary Restriction in Renal Ischemia-Reperfusion Injury

- 1) Dietary restriction and fasting induce major immunological changes in the primary and secondary lymphoid organs. (*this thesis*)
- 2) Dietary restriction protects against renal I/R injury by downregulation of circulating levels of Mannan-Binding Lectin while fasting protects by having an effect on tubular cell homeostasis and resistance to tubular injury, independent of MBL. (*this thesis*)
- 3) Dietary interventions reduce systemic complement activity, with most radical impact on the terminal pathway, and only moderate impact on the initiation pathways. (*this thesis*)
- 4) The decrease in pro-inflammatory cytokine production due to fasting in the first 6hrs of reperfusion is proposed as one of the protective effects of fasting. (*this thesis*)
- 5) Cold exposure, another hormetic stimulus, in contrast to dietary restriction and fasting, does not result in beneficial effects against renal I/R injury. (*this thesis*)
- 6) Science is not only about why....but is also about why not.
- 7) The decision to publish scientific data shouldn't be merely based on p-values.
- 8) A scientist should have the courage to imagine beyond the boundaries, relate it to the best known knowledge, and validate it experimentally.
- 9) Pay attention to natural outliers, there might be an interesting reason for their existence.
- 10) In this era of big data wisdom is more important than knowledge.
- 11) The mind is everything...what you think you become. (*Buddha*)

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