Propositions pertaining to the thesis:
(Stellingen behorende bij het proefschrift)

From Data to Decision
_A Knowledge Engineering approach to individualise cancer therapy_

Erik Roelofs, July 8th 2016, Maastricht

Expert systems based on literature and guidelines from clinical trials have increasingly limited value for individualised medicine.

Quantity is not enough; proper data management is essential for healthcare to adhere to rising quality standards.

New healthcare information technology efforts should focus on making medical data FAIR: Findable, Accessible, Interoperable and Reusable.

Knowledge-driven healthcare enables cost-effective application of limited, expensive resources, as introduced for proton therapy.

Control theory dictates that optimal healthcare is only reached by feedback of the true endpoint. The question remains what the definition of optimal is.

Innovation must coincide with standardisation to prevent organisations from falling back to suboptimal states of operation.

Privacy-preserving sharing of medical data should be rewarded.

"Data! Data! Data!" he cried impatiently. "I can't make bricks without clay."
_Sherlock Holmes - The Adventure of the Copper Beeches by Sir Arthur Conan Doyle_

"Knowing is not enough; we must apply. Willing is not enough; we must do."
_Johann Wolfgang von Goethe_

"Quality is remembered long after price is forgotten"
_Sir Henry Royce_

"Wat weerd is da 'j doot; is ok weerd da 'j 't good doot"
_Twents gezegde_