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Energy balance in obesity

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Stellingen

Behorende bij het proefschrift

Energy balance in obesity

Effects of bariatric surgery and vagus nerve stimulation

1. Continued feeding a high fat with added sucrose diet does not negatively impact short-term weight loss trajectories following RYGB in rats, and may in fact improve recovery following Roux-en-Y gastric bypass surgery. (this thesis)
2. To understand glucose homeostasis in different dietary settings, it is important to use a standardized meal tolerance test with an energy density that reflects an actual meal. (this thesis)
3. It is of importance to control diet after RYGB, as diet shows to have a major impact on ingestion rate and postprandial circulating glucose levels. (this thesis)
4. Ileal transposition can effectively change both arms of the energy balance. (this thesis)
5. Electrical stimulation of the vagus nerve increases glucose clearance rate independently of insulin action in healthy rats. (this thesis)
6. While vagus nerve stimulation harbours great potential in managing T2DM, a factor that greatly clouds our understanding of how VNS works is the lack of optimized and standardized stimulation parameters.
7. Pursuing scientific questions will never stop, but a PhD project will. It is important to understand this difference, both for the PhD student as well as the supervisor(s).
8. Awkward conversations may seem uncomfortable at first, but they can actually lead to greater understanding and stronger connections.

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