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Obesity: exploring neural pathophysiological pathways and improving diagnostic strategies

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Stellingen

Behorend bij het proefschrift getiteld

“Obesity: Exploring neural pathophysiological pathways and improving diagnostic strategies”

1. Increased pallidum volume in adolescent obesity is a sign of a compensatory mechanism to overcome food intake caused by executive dysfunction. *This thesis*
2. Even in rest and when satiated, the brain of obese adolescents, compared to their lean peers, is in a state where visual food cues tend to generate more attention and simultaneously trigger executive function to a lesser extent. *This thesis*
3. *FTO* does not only affect hunger and satiety signalling, but also affects reward signalling. *This thesis*
4. Performing oral glucose tolerance testing for finding impaired glucose tolerance in paediatric overweight patients with elevated liver enzymes, elevated blood pressure or impaired fasting glucose, significantly improves the sensitivity of the diagnostic strategy compared to the current of only testing those with impaired fasting glucose. *This thesis*
5. High activity of the lateral occipital cortex is associated with restrictive feeding. *Allen HA, PLoS on, 2016, e0157037, modified*
6. The presence of non-alcoholic fatty liver disease should be regarded as a component of the metabolic syndrome. *Bussler S, Horm Res Paediatr 2017;88;181-193, modified*
7. Development of executive function starts in a foetal stage. Therefore, if we really want to address the problem of childhood obesity, we should educate future parents before pregnancy.
8. To really address obesity, governments should stop to consider influencing the food environment as patronising.
9. Obesity is a general diagnosis that deserves further classification.
10. By controlling the food environment of children and adolescents we do not limit their freedom of choice, we give them back the freedom of choice.
11. We can't solve problems using the same kind of thinking we used when we created them. *Albert Einstein. When we want to solve the obesity crisis, we should not simply reverse the factors that caused it in the first place, but develop solutions that fit the world of today.*
12. Life is what happens while you are busy making other plans. *John Lennon. As a PhD, you can plan as much as you want, but you are bound to be confronted with things that are outside your circle of influence. Not your ability to plan, but your ability to adapt will determine your success.*