

# Genetic and perinatal risk factors for movement disorders

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Statements belonging to the PhD thesis:

## **Genetic and perinatal risk factors for movement disorders**

Melinda Barkhuizen, 4 December 2017

1. Not all brain areas are equally vulnerable to an insult. (this thesis)
2. Basal ganglia damage plays a key role in the pathology of neurodegenerative and neurodevelopmental disorders. (this thesis)
3. Insults in the perinatal period can accelerate mid-life neurodegenerative diseases. (this thesis)
4. A therapeutic intervention within hours after a perinatal injury can limit deficits in adulthood. (this thesis)
5. The differences in brain development among species make the term rat a suitable model to find therapies for the extreme preterm human. (this thesis)
6. Sex differences should be considered when evaluating a therapy for perinatal asphyxia. (this thesis)
7. "Genetics loads the gun and the environment pulls the trigger."  
(Michael J. Fox)
8. "An ounce of prevention is worth a pound of cure." (Benjamin Franklin)
9. "The doctor of the future will give no medicine, but will educate his patients in the care of the human frame, in diet, and in the cause and prevention of disease." (Thomas Edison)
10. "*The greatest glory in living lies not in never falling, but in rising every time we fall.*" (Nelson Mandela)