

Neuromodulation of the dorsal root ganglion in experimental chronic neuropathic pain

Citation for published version (APA):

Franken, G. (2020). *Neuromodulation of the dorsal root ganglion in experimental chronic neuropathic pain: efficacy and mechanisms of action*. [Doctoral Thesis, Maastricht University]. Ipskamp. <https://doi.org/10.26481/dis.20201203gf>

Document status and date:

Published: 01/01/2020

DOI:

[10.26481/dis.20201203gf](https://doi.org/10.26481/dis.20201203gf)

Document Version:

Publisher's PDF, also known as Version of record

Please check the document version of this publication:

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Stellingen behorende bij het proefschrift:

Neuromodulation of the Dorsal Root Ganglion in Experimental Chronic Neuropathic Pain:

Efficacy and Mechanisms of Action

G. Franken

3 December 2020

1. Both the morphology and anatomical location of the dorsal root ganglion (DRG) makes it an excellent target for neuromodulation in chronic neuropathic pain. *-This thesis, Chapters 1 and 2*
2. Conventional dorsal root ganglion stimulation (Con-DRGS) and Burst-DRGS are equally effective in attenuating mechanical hypersensitivity in an animal model of painful diabetic peripheral neuropathy (PDPN). *-This thesis, Chapter 3*
3. The unique characteristics of Burst-DRGS and the analgesic effects as noted in an animal model of PDPN are likely to have important implications for the longevity of the IPG in clinical practice. *-This thesis, Chapter 4*
4. The analgesic mechanism of action of Con-DRGS is unlikely to rely on modulation of local GABAergic signaling at the site of the DRG. *-This thesis, Chapter 5*
5. The mechanism of action underlying pulsed radiofrequency treatment adjacent to the DRG in chronic neuropathic pain must differ from that of DRGS. *-This thesis, Chapters 6 and 7*
6. The cure for pain is in the pain. *-Jalal ad-Din Rumi, Persian Poet*
7. I can bear any pain as long as it has meaning. *- Haruki Murakami, Japanese writer*
8. If you want to assert a truth, first make sure it's not just an opinion that you desperately want to be true. *- Neil deGrasse Tyson, American astrophysicist*
9. Research never quite works out as you expect it to, that is one of the principle beauties of science. *-David Bowie as Nicolas Tesla in the movie "The Prestige"*
10. Eppur si muove (and yet it moves). *-Galileo Galilei, Italian astronomer*