

Contents

Introduction	9
Chapter 1 Chronic insomnia and its treatment	11
Chapter 2 Scope of the present thesis	19
Chronic Insomnia: a State?	27
Chapter 3 Sleep loss affects vigilance. Effects of chronic insomnia and sleep therapy <i>Journal of Sleep Research 2008 (17), p. 335-343</i>	29
Chapter 4 Prefrontal hypoactivation and recovery in insomnia <i>Sleep 2008 (31), p. 1271-1276</i>	49
Chronic Insomnia: a Trait?	65
Chapter 5 Reduced orbitofrontal and parietal grey matter in chronic insomnia: a voxel-based morphometric study <i>Biological Psychiatry 2010 (67), p. 182-185</i>	67
Chapter 6 Disturbed intracortical excitability is a stable trait of chronic insomnia <i>Submitted, 2009</i>	79
Chronic Insomnia: Comparable to Slow Wave Suppression?	93
Chapter 7 Suppression of nocturnal slow-wave activity selectively affects daytime vigilance lapse but not reaction time <i>Submitted, 2009</i>	95
Chapter 8 Sleep benefits subsequent hippocampal functioning <i>Nature Neuroscience 2009 (12), p. 122-123</i>	107

Conclusion	121
Chapter 9 Summary, general discussion and future perspectives	123
List of Abbreviations	141
Nederlandse samenvatting	143
Publicatielijst	149
Curriculum Vitae	151
Dankwoord	153
Colour figures	159