

Contents

Contents	v
Abstract	1
1 Introduction	3
1.1 Schizophrenia	4
1.2 Physiology of Eye Movements	6
1.3 Eye-head coordination during gaze shifts	8
1.4 Overview of abnormal eye movements in schizophrenia	9
1.5 Methods	11
1.6 Objectives	12
2 Results	15
2.1 Analysis of eye and head coordination in a visual peripheral recognition task . .	15
2.2 Eye-head coordination abnormalities in schizophrenia	25
2.3 Music, perceived arousal, and intensity: Psychophysiological reactions to Chopin's "Tristesse"	33
3 Overall Discussion	45
4 Perspectives	49
References	51
Acknowledgments	59
Curriculum Vitae	61
List of Publications	63
Declaration of Originality	65