

Contents

1. Introduction	7
GENERAL PART	
2. Lyme borreliosis	11
2.1 History	11
2.2 Microbiology of <i>Borrelia burgdorferi</i>	13
2.3 Epidemiology	13
2.4 Pathogenesis	16
2.5 Clinical pattern	18
SPECIAL PART	
3. Lyme carditis	23
3.1 General part	23
3.2 Clinical part	37
3.2.1 Lyme carditis I. (pilot study)	37
3.2.1.1 Participants and methods	38
3.2.1.2 Results	39
3.2.1.3 Conclusions	43
3.2.2 Lyme carditis II (prospective study)	48
3.2.2.1 Participants and methods	48
3.2.2.2 Results	50
3.2.2.3 Conclusions	54
3.2.3 Detection of antiborrelial antibodies in healthy blood donors and risk population (prevalence study)	55
3.2.3.1 Prevalence of antiborrelial antibodies in population	55
3.2.3.2 Sample of probands and methods	57
3.2.3.3 Results I.	57
3.2.3.4 Results II.	58
3.2.3.5 Conclusions I.	61
3.2.3.6 Conclusions II.	61
3.2.4 Dilated cardiomyopathy of borrelial etiology (clinical study)	61
Introduction	61
3.2.4.1 Participants and methods	62
3.2.4.2 Results	62
3.2.4.3 Discussion	65
3.2.4.4 Conclusion	66
Postscript	67
Acknowledgements	68
References	69