CONTENTS

1	INTRODUCTION	<u>5</u>
2	GLAUCOMA DIAGNOSIS BASED ON AUTOFLUORESCENT RETINAL IMAGES	<u>5</u>
	2.1 Introduction.	5
	2.2 Data ACQUISITION	6
	2.3 Image registration.	
	2.4 Registration results	
	2.5 Conclusion on registration.	
	2.6 Application of registration result	
	2.6.1 Pixel level image fusion.	8
	2.6.2 Image segmentation	
	2.7 Conclusion on autofluorescent image analysis.	15
3	RETINAL NERVE FIBRE LAYER IN COLOUR FUNDUS IMAGES	
	3.1 Introduction.	
	3.2 Data	
	3.4 Features selection.	
	3.4.1 Max-Relevance and Min-Redundancy	
	3.4.2 Application of mRMR approach to feature selection	10
	3.5 Classification.	
	3.5.1 Classifiers	
	3.5.2 Classifiers – setting	
	3.5.3 Classification strategies	
	3.5.4 Results of classification	
	3.6 Conclusion on texture analysis.	
4	SUMMARY	
<u>I</u>	REFERENCES	23
_/	APPENDIX	27
,	A DCTD A VT	26