

# CONTENTS

	Page
Introduction.....	1
Aim of the work .....	3
Review of Literature .....	4
• Chronic kidney disease .....	
• Vascular calcification in kidney disease .....	
• Fetuins and vascular calcification inhibitors .....	
• Malnutrition, inflammation and atherosclerosis in chronic kidney disease .....	
Materials and Methods .....	46
Results .....	56
Discussion .....	91
Summary and Conclusion .....	100
References .....	104
Appendix .....	128
Arabic Summary .....	145