

CONTENTS

<i>Introduction and Aim of the work</i>	<i>Page</i> <i>1</i>
<u>Review of literature</u>	
• <i>Thalassemias</i>	<i>3</i>
• <i>Hepatitis B Virus Infection</i>	<i>23</i>
• <i>Hepatitis C Virus Infection</i>	<i>39</i>
• <i>Hepatitis Viruses in multitransfused patients</i>	<i>61</i>
<u>Subjects and Methods</u>	
• <i>Subjects</i>	<i>69</i>
• <i>HBsAg Enzyme immuno-assay for detection of hepatitis B surface antigen.</i>	<i>71</i>
• <i>Hepatitis B surface antigen assay by enzyme linked immunoassay</i>	<i>74</i>
• <i>Enzyme immunoassay for qualitative determination of total antibodies to hepatitis B core antigen (ANTI-HBc) in serum samples.</i>	<i>78</i>
• <i>Anti-HCV enzyme immunoassay for measurement of HCV antibody.</i>	<i>83</i>
• <i>Alanine transaminase (ALT)</i>	<i>88</i>
<i>Results</i>	<i>89</i>
<i>Discussion</i>	<i>127</i>
<i>Summary and Conclusion</i>	<i>138</i>
<i>Recommendation</i>	<i>140</i>
<i>References</i>	<i>144</i>
<i>Arabic Summary</i>	<i>-</i>