

# CONTENTS

Item	Page
<b>Introduction.....</b>	<b>1</b>
<b>Aim of the Study .....</b>	<b>4</b>
<b>Review of Literature:</b>	
<b>I. Preschool age children.....</b>	<b>5</b>
• Growth and development .....	5
• Factors affecting child growth and development.....	9
• Preschooler's needs.....	10
• Common health problems .....	14
<b>II- Anatomy and physiology of the liver.....</b>	<b>16</b>
• Anatomy of the liver.....	16
• Physiology of the liver.....	20
<b>III- Viral hepatitis.....</b>	<b>26</b>
<b>Hepatitis A virus.....</b>	<b>27</b>
• Epidemiology.....	27
• Risk group .....	28
• HAV etiology / transmission .....	29
• Incubation period / pathology .....	30
• Clinical features .....	31
• Prognosis / complications.....	32
• Diagnosis.....	33
• Therapeutic management.....	33
• Preventive measures .....	34

<b>VI: Rural health.....</b>	<b>37</b>
• General characteristics of rural population.....	37
• Factors that impact health status in rural setting.....	38
• Role of community health nurse in rural community.....	38
<b>VII: Role of community health nurse regarding food born disease     according to level of prevention</b>	<b>40</b>
• Primary prevention.....	41
• Secondary prevention .....	42
• Tertiary prevention .....	43
<b>Subjects and methods.....</b>	<b>44</b>
<b>Results.....</b>	<b>50</b>
<b>Discussion .....</b>	<b>73</b>
<b>Conclusion.....</b>	<b>84</b>
<b>Recommendations.....</b>	<b>85</b>
<b>Summary.....</b>	<b>86</b>
<b>References.....</b>	<b>93</b>
<b>Arabic Summary .....</b>	

## **LIST OF TABLES**

<b>Table (N)</b>	<b>Title</b>	<b>page</b>
<b>(1)</b>	Personal characteristics of study children with hepatitis A virus.	<b>51</b>
<b>(2)</b>	Distribution of sociodemographic characteristics of the studied mothers.	<b>52</b>
<b>(3)</b>	Distribution of the studied sample by their home environmental condition.	<b>53</b>
<b>(4)</b>	Distribution of the studied sample regarding their kitchen condition.	<b>55</b>
<b>(5)</b>	Distribution of children with hepatitis A virus by their present clinical history.	<b>57</b>
<b>(6)</b>	Distribution of the studied mothers by their level of knowledge about HAV disease.	<b>59</b>
<b>(7)</b>	Distribution of the studied sample by their knowledge related practice about hepatitis A virus.	<b>60</b>
<b>(8)</b>	Distribution of the studied sample regarding their source of knowledge about hepatitis A virus.	<b>61</b>
<b>(9)</b>	Distribution of the studied mothers by their practice for their children with hepatitis A virus.	<b>63</b>
<b>(10)</b>	Relationship between mothers' socio-demographic characteristics and their total knowledge.	<b>64</b>

<b>(11)</b>	Relationship between mothers' socio-demographic characteristics and their total practice.	<b>70</b>
<b>(12)</b>	Relationship between home environment and total practice of the studied sample.	<b>71</b>
<b>(13)</b>	Correlation between home environment and total practice of studied group.	<b>72</b>
<b>(14)</b>	Correlation between total mean knowledge and practice of studied group.	<b>72</b>

## **LIST OF FIGURE OF REVIEW**

<b>Fig. (N)</b>	<b>Title</b>	<b>page</b>
<b>(1):</b>	<b>Nutritional pyramid for young children</b>	<b>12</b>
<b>(2):</b>	<b>Anatomy of the liver</b>	<b>17</b>

## **LIST OF FIGURES OF RESULTS**

<b>Fig. (N)</b>	<b>Title</b>	<b>page</b>
<b>(1)</b>	Distribution of infected children with hepatitis A virus according to causes of infection.	<b>58</b>
<b>(2)</b>	Distribution of the studied group regarding their source of knowledge about hepatitis A virus.	<b>62</b>
<b>(3)</b>	Relationship between mothers sociodemographic characteristics (age) and total knowledge.	<b>66</b>
<b>(4)</b>	Relationship between mothers sociodemographic characteristics (education) and total knowledge.	<b>67</b>
<b>(5)</b>	Relationship between mothers sociodemographic characteristics (occupation) and total knowledge.	<b>68</b>
<b>(6)</b>	Relationship between mothers sociodemographic characteristics (income) and total knowledge.	<b>69</b>

## LIST OF ABBREVIATION

AAP	American Academy of Pediatrics
ADL	Activities of daily living
AHA	American Heart Association
AICP	Advisory Committee on Immunization Practice
ALT	Alanine aminotransferase
AST	Aspartate aminotransferase
ATP	Adenosine triphosphate
CDC	Centers for Diseases Control
CT	Computed tomography
CHN	Community health nurse
HAV	Hepatitis A virus
HGV	Hepatitis G virus
IG	Immunoglobulin
IgA	Immunoglobulin A
IgG	Immunoglobulin G
IgM	Immunoglobulin M
IM	Intramuscular
IV	Intravenous
LDH	Lactate dehydrogenase
NCHS	National Center of Health Statistics
NNICEF	United Nations International children Emergency Fund
PT	Prothrombin time
RBCs	Red blood cells
RUQ	Right upper quadrant
USDA	United States Department of Agriculture
WHO	World Health Organization