

Appendix 1: Questionnaires

:serial number /1

: Name /2

: Age /3

: place of birth in Sudan /4

.North-1

.South-2

.East-3

.West-4

.Others-5

: Reasons for being homeless /5

.War-1

.non extending family-2

.exploited by family-3

.others-4

: Types of the diseases in the study group /6

.Malaria-1

.Anemia-2

.Skin disease-3

.Bilharziasis-4

.Undiagnosed disease-5

:Type of chemical used /7

.benzen-1

.alcohol-2

.cigarette-3

.Shesha-4

.silisions-5

snuff.

7- others-6

: From where do you obtain your meals/8

.remnant of restaurants-1

.garbage-2

.begging food from houses-3

.others-4

: Duration of being homeless/9

.less than one year-1

.years 1-2 -2

.2-5years -3

: Education /10

.primary school-1

.secondary school-2

.others -3

Appendix 2: List of abbreviations:

<i>AA</i>	<i>Aplastic anemia</i>
<i>ACD</i>	<i>Anemia of chronic disease</i>
<i>AI</i>	<i>Anemia of Inflammation</i>
<i>AML</i>	<i>Acute myeloid leukemia</i>
<i>CBC</i>	<i>Complete blood count</i>
<i>Cbl</i>	<i>Cyanocobalmin (Vitamin B12)</i>
<i>DC</i>	<i>Direct current</i>
<i>DNA</i>	<i>Deoxyribos nucleic acid</i>
<i>K⁺</i> <i>EDTA</i>	<i>Potassium Ethylene diamine tetra-acetic acid</i>
<i>EPO</i>	<i>Erythropoietin</i>
<i>FA</i>	<i>Folic acid</i>
<i>HCT</i>	<i>Hematocrit</i>
<i>HGB</i>	<i>Hemoglobin</i>
<i>HIV</i>	<i>Human immunodeficiency virus</i>
<i>ID</i>	<i>Iron deficiency</i>
<i>IDA</i>	<i>Iron deficiency anemia</i>
<i>IF</i>	<i>Intrinsic factor</i>
<i>IgE</i>	<i>Immunoglobulin E</i>
<i>IgG1</i>	<i>Immunoglobulin G1</i>
<i>IL-4</i>	<i>Interleukin-4</i>
<i>IL-5</i>	<i>Interleukin-5</i>
<i>LCD</i>	<i>Liquid crystal display</i>
<i>LDH</i>	<i>Lactate dehydrogenase</i>
<i>LGL</i>	<i>Large granular lymphocyte</i>
<i>MCH</i>	<i>Mean corpuscular haemoglobin</i>
<i>MCHC</i>	<i>Mean corpuscular hemoglobin concentration</i>
<i>MCV</i>	<i>Mean corpuscular volume</i>

<i>MDS</i>	<i>Myelodysplastic syndrome</i>
<i>NaCl</i>	<i>Sodium chloride</i>
<i>PA</i>	<i>Pernicious anemia</i>
<i>PBS</i>	<i>Peripheral blood smear</i>
<i>PLT</i>	<i>Platelets</i>
<i>RBCs</i>	<i>Red blood cells</i>
<i>RDW</i>	<i>Red cell distribution width</i>
<i>RNA</i>	<i>Ribosomal nucleic acid</i>
<i>Rpm</i>	<i>Revolution per minutes</i>
<i>SEM</i>	<i>Standard Errors of Mean</i>
<i>SI</i>	<i>Serum iron</i>
<i>SPSS</i>	<i>Statistical package for social science</i>
<i>Th2</i>	<i>T.helper2</i>
<i>TIBC</i>	<i>Total iron-binding capacity</i>
<i>WBCs</i>	<i>White blood cells</i>
<i>WHO</i>	<i>World Health Organization</i>

Appendix 3

SYSMEX KX-21N



Appendix 4:

Figures: Homeless children during different stages of data collection



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