

Sudan University of Sciences and Technology College of Graduate Studies



Assessment of fetal age using sonographic fetal limb bones measurement

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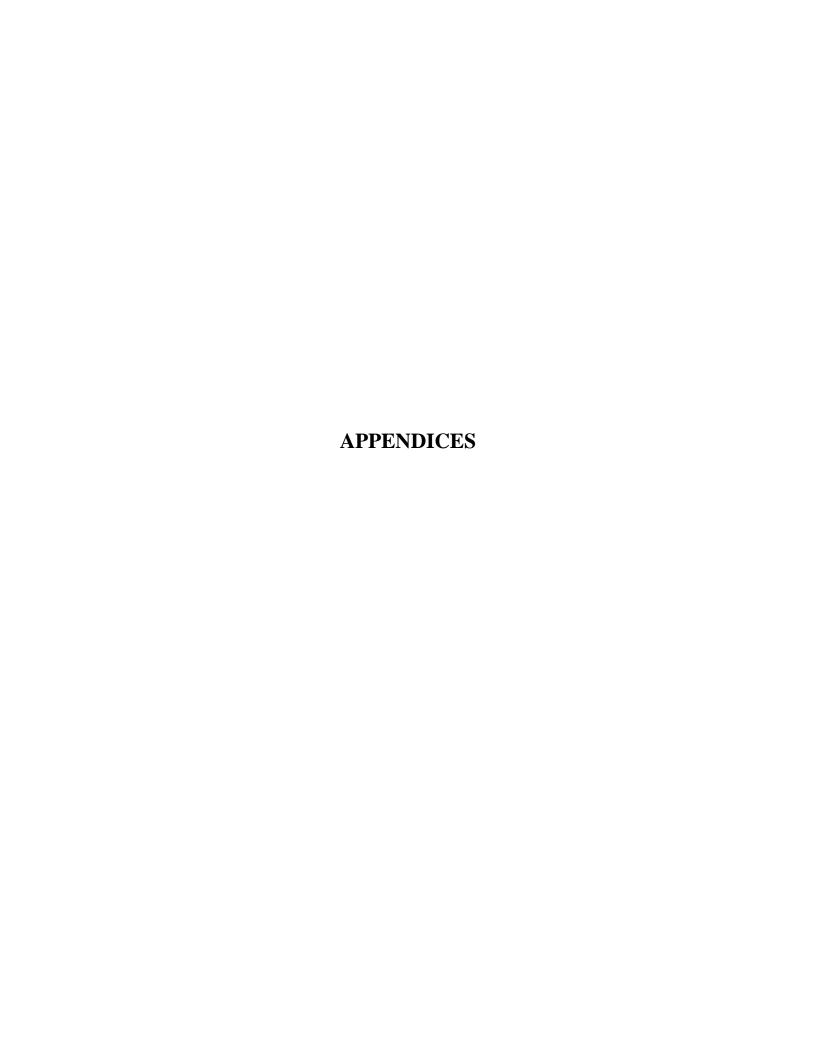
CHAPTER ONE INTRODUCTION

CHAPTER TWO LITERATURE REVIEW

CHAPTER THREE MATERIAL AND METHODS

CHAPTER FOUR THE RESULTS

CHAPTER FIVE DISCUSION, CONCLUSION AND RECOMMENDATIONS



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Appendix 1. data collection sheet:

Pregnant ladies NO	GA in Wks	RL Cm	UL cm	FiL cm	TL Cm

Appendix 2. sonographic images which are collected from the study:



Image (1): ultrasound image of fetal radius measuring 2.2cm and fetal ulna measuring 2.4cm corresponding to 18 weeks of gestational age.



Image (2): ultrasound image of fetal fibula measuring 2.3cm and fetal tibia measuring 2.5cm corresponding to 18 weeks of gestational age.



Image (3): ultrasound image of fetal radius measuring 3.55cm and fetal ulna measuring 3.75cm corresponding to 26 weeks of gestational age.



Image (4): ultrasound image of fetal fibula measuring 4.52cm and fetal tibia measuring 4.72cm corresponding to 26 weeks of gestational age.



Image (5): utrasound image of radius and ulna crossing each other when the arm in prone position that may lead to incorrect measurement.



Image (6): ultrasound image of fetal radius measuring 4.50 cm and fetal ulna measuring 5.10 cm corresponding to 30 weeks of gestational age.



Image(7): ultrasound image of fetal fibula measuring 5.00 cm and fetal tibia measuring 5.20 cm corresponding to 30 weeks of gestational age.



Image (8): ultrasound image of fetal radius measuring 5.1 cm and fetal ulna measuring 5.6cm corresponding to 34 weeks of gestational age.



Image (9): ultrasound image of fetal fibula measuring 5.6cm and fetal tibia measuring 5.8cm corresponding to 34 weeks of gestational age.