

Sudan University of Science and Technology
College of Graduate Studies

**Assessment of Amniotic Fluid Volume in Sudanese Pregnant Women in
Second and Third Trimester by Ultrasound Imaging**

تقييم حجم السائل الأمنيوسي في السودانيات الحوامل في الفترة

الثانية والثالثة من الحمل باستخدام التصوير بالموجات فوق

الصوتية

*A Thesis Submitted for Partial Fulfillment for the Requirements of M.Sc.
Degree in Medical Diagnostic Ultrasound*

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2016

Chapter one

Introduction

Chapter two

Literature review & previous studies

Chapter three

Material & methods

Chapter four

The results

Chapter five

Discussion, conclusion & recommendations

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Data Collection Sheet

Assessment of AFV in Pregnant Women in Second and Third Trimester

• Age: <20 () 20-30() 31-40() 41-50 () >50 ()

• Occupation: Employee () House wife () others ()

• The AF is:

 Normal () Increase () Decrease ()

• The Measurement of AFV

AFI () Cm.

• **Maternal** Causes of poly hydramnios:

1. Diabetic Mother ()

2. Unknown reasons ()

3. Others ()

• **Fetal causes of poly hydramnios**

1. Fetal anomaly ()

2. Fetal infection ()

3. Twin — Twin transfusion syndrome ()

4. Others ()

• **Maternal causes of oligohydramnios**

1. Pre mature rupture of membrane ()

2. Post term pregnancy ()

3. Maternal health condition ()

4. Placenta problem ()

5. Others ()

• **Type of poly Hydromnios**

1. Mild ()

2. Moderate ()

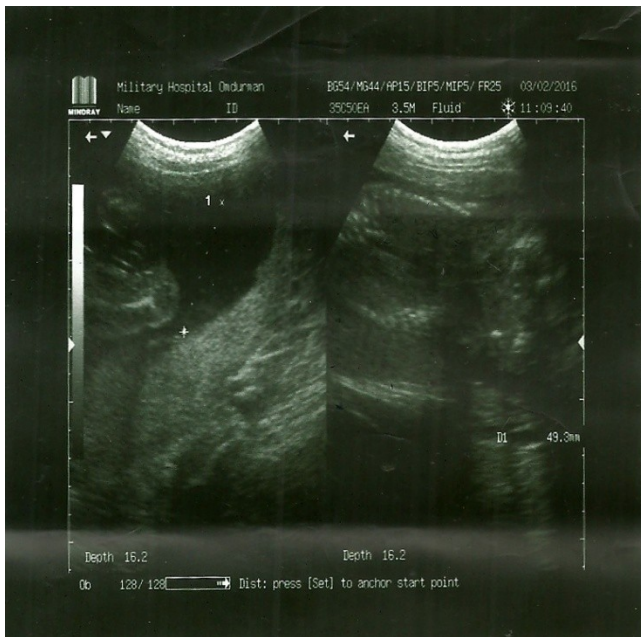
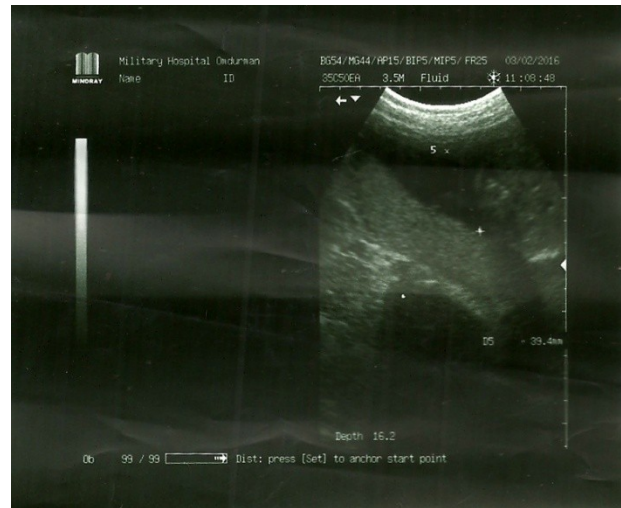
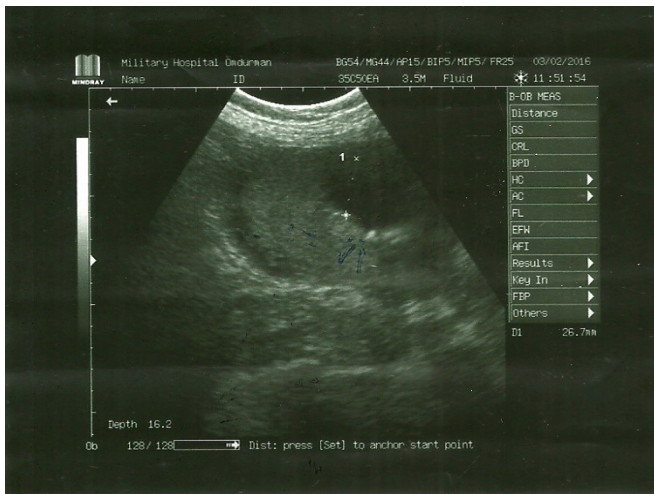
3. Severe ()

• Type of oligohydromnios

1. Mild ()

2. Moderate ()

3. Severe ()



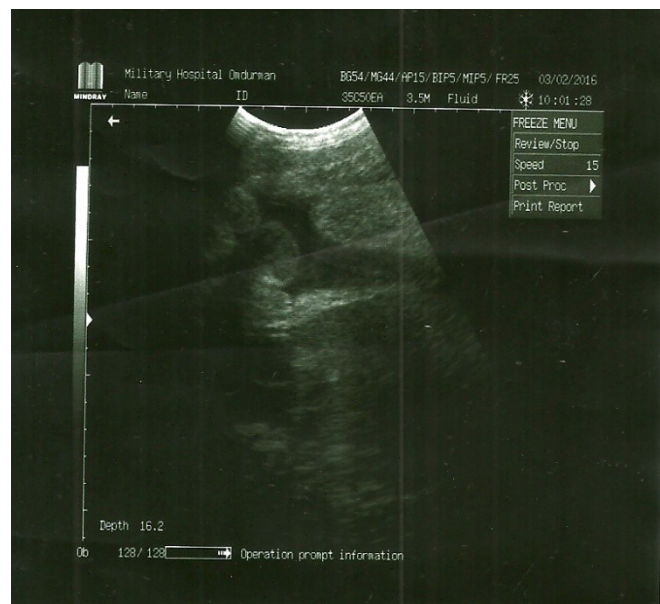
Ultrasound image (1): show pregnant woman with 36 weeks gestation with normal AFW.



Ultrasound image (2): show pregnant woman with 28 weeks gestation with normal AFV.



Ultrasound image (3): show pregnant woman with 30 week gestation with normal AFW.



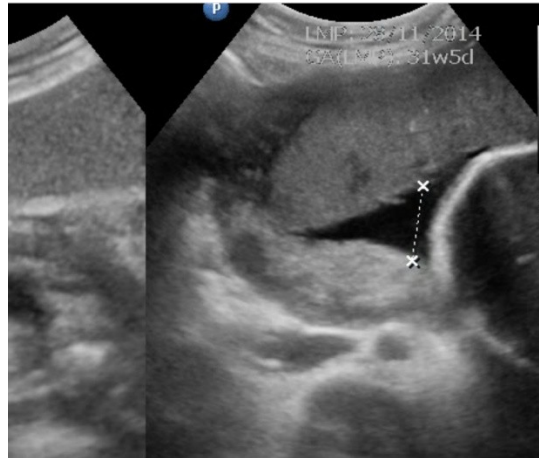
Ultrasound image (4): show pregnant woman with 32 weeks gestation with normal AFV.



Ultrasound image (5): show pregnant woman with 26 weeks gestation with normal AFV



Ultrasound image (6): show pregnant woman with 38 weeks gestation with normal AFV



Ultrasound image (7): show pregnant woman with 32 weeks gestation with oligohydramnios due to premature rupture of membrane.



Ultrasound image (8): show pregnant woman with 30 weeks gestation with oligohydramnios due to premature rupture of membrane.