

**Two-Dimensional Versus Five-Dimensional  
Ultrasound in Measurement of Nuchal  
Translucency Thickness  
Pilot Study**

*Thesis*

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in Obstetrics and Gynecology*

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بِسْمِ اللَّهِ الرَّحْمَنِ الرَّحِيمِ

قالوا

اسبغناك لا علم لنا  
إلا ما علمتنا إنك أنت  
العليم العظيم

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# *Contents*

Title	Page No.
List of Abbreviations.....	i
List of Tables.....	ii
List of Figures .....	iv
Introduction .....	1
Aim of the Work.....	7
<b>Chapter (1):</b> Nuchal Translucency.....	8
<b>Chapter (2):</b> Introduction to Ultrasound.....	36
Patients and Methods .....	83
Results.....	88
Discussion.....	111
Summary .....	123
Conclusion.....	126
Recommendation.....	127
References .....	128
Arabic Summary .....	-

## *List of Abbreviations*

<b>Abbreviation</b>	<b>The Meaning</b>
<b>NT</b>	Nuchal translucency thickness
<b>β-hCG</b>	Beta-human chorionic gonadotropin
<b>PAPP-A</b>	Pregnancy-associated plasma protein A
<b>THI</b>	Tissue harmonic imaging
<b>SRF</b>	Speckle reduction filter
<b>2D US</b>	Two-dimensional ultrasound
<b>3D US</b>	Three-dimensional ultrasound
<b>4D US</b>	Four-dimensional ultrasound
<b>5D US</b>	Five-dimensional ultrasound
<b>CRL</b>	Crown-rump length
<b>LMP</b>	Last menstrual period
<b>TTTS</b>	Twin-twin transfusion syndrome
<b>CVS</b>	Chorionic villus sampling
<b>FINE</b>	Fetal Intelligent Navigation Echocardiography
<b>BMI</b>	Body Mass Index
<b>US</b>	Ultrasound
<b>VOCAL</b>	Virtual Organ Computer Aided Analysis

## *List of Tables*

<b>Table no</b>	<b>Title</b>	<b>Page No</b>
1	Indications for ultrasound examination during pregnancy	38
2	Components of a first trimester ultrasound examination	41
3	Components of second and third trimester ultrasound examinations	41
4	Descriptive statistics for the study population as regards their basic demographic data	90
5	Descriptive statistics for the measured 2D and 5D NT thickness	92
6	Success of measurement of NT thickness by conventional 2D U/S and 5D U/S	94
7	Comparison of maternal age, gestational age, CRL and BMI in women with successful and failed NT thickness measurement	95
8	Bland-Altman analysis of reliability of 5D NT thickness measurement compared to conventional 2D NT thickness measurement	97
9	Summary of statistical analysis of reliability of 5D NT thickness measurement compared to conventional 2D NT thickness measurement	98

<b>Table no</b>	<b>Title</b>	<b>Page No</b>
10	Bland-Altman analysis of repeatability of 5D NT thickness measurement compared to conventional 2D NT thickness measurement	100
11	Summary of statistical analysis of repeatability of 5D NT thickness measurement compared to conventional 2D NT thickness measurement	103
12	Bland-Altman analysis of reproducibility of 5D NT thickness measurement compared to conventional 2D NT thickness measurement	104
13	Summary of statistical analysis of reproducibility of 5D NT thickness measurement compared to conventional 2D NT thickness measurement	107
14	Statistical analysis of examination time required for conventional 2D vs 5D NT thickness measurement	108

## *List of Figures*

<b>Figure</b>	<b>Content</b>	<b>Page No</b>
1	Nuchal translucency is the lucent zone observed sonographically at the posterior fetal neck	8
2	A) Fetal nuchal translucency is an echolucent space between the dorsal edge of soft tissue of the fetal neck and the linear echo of the skin observed in a midsagittal image. Gross image of the fetus with an abnormally increased NT	9
3	Reference range of fetal nuchal translucency with crown-rump length showing the 5th, 25th, 50th, 75th and 95th centile	12
4	Nuchal translucency normally increases with gestation (crown-rump length)	12
5	CRL 6 to 14 weeks +6days	13
6	Data from Orosz	17
7	Anomalies identified in the first trimester by 3D ultrasound	69
8	3D ultrasound images of a fetal face at 21 weeks' gestation suggestive of a micrognathia	70
9	2D ultrasound image of the fetal skull in a 21-week fetus suggesting a small occipital encephalocele	71



<b>Figure</b>	<b>Content</b>	<b>Page No</b>
10	Fetal thigh volumetry analyzed using the multiplanar method	76
11	Fetal thigh volumetry analyzed using the Virtual Organ Computer-aided Analysis (VOCAL) technique	77
12	Sono W-S S80A Elite ultrasound Medison machine	87
13	CONSORT 2010 flow diagram showing the recruitment and handling of the study population during the course of the	89
14	Box Plots of age, BMI parity, GA and CRL of the study population	91
15	Box Plot showing distribution of NT thickness measured by 2D and 5D U/S	92
16	Bar graph of success of measurement of NT thickness using 2D & 5D U/S	94
17	Difference between 2D & 5D measurement	98
18	Bland-Altman plot showing intra-observer variability in nuchal translucency thickness (NT) measurement using 2D ultrasound	101
19	Bland-Altman plot showing intra-observer variability in nuchal translucency thickness (NT) measurement using 5D ultrasound	102
20	Bland-Altman plot showing inter-observer variability in nuchal translucency thickness (NT) measurement using 2D ultrasound	105

<b>Figure</b>	<b>Content</b>	<b>Page No</b>
21	Bland–Altman plot showing inter-observer variability in nuchal translucency thickness (NT) measurement using 5D ultrasound	106
22	Midsagittal view showing NT measurement using 2D and 5D ultrasound	109
23	NT measurement using 2D and 5D ultrasound (NT= 1.27mm)	109
24	NT measurement using 2D and 5D ultrasound (NT= 1.92mm)	110



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# *Protocol*

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# *Introduction*

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## *Aim of the Work*

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# **Nuchal Translucency**

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# **Introduction to Ultrasound**

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