

Wojciech Kocon  
Kleczewska 41  
Warszawa  
01-826  
Poland

Nov 30, 2019

FMF ID: 74510

## Measurement of nuchal translucency

Dear Wojciech Kocon,

Thank you for submitting your logbook of 3 images. I examined each image for the following criteria: magnification (head and thorax only), mid-sagittal section of the face, neutral fetal position (no flexion or extension), calliper placement, maximum lucency, and thin nuchal membrane (see table below)

<b>Criteria</b>	<b>Image number</b>		
	<b>1</b>	<b>2</b>	<b>3</b>
Magnification	✓	✓	✓
True mid-sagittal section	✓	✓	✗
Neutral fetal position	✓	✓	✓
Calipers "ON-to-ON"	✓	✓	✓
Maximum lucency	✓	✓	✓
Thin nuchal membrane	✓	✓	✓

Legend: ✓ = pass ✗ = fail -- = not possible to assess

- In 1 of your images the section is oblique. A good **mid-sagittal section** of the face should demonstrate the echogenic tip of the nose, the rectangular shape of the palate anteriorly, the translucent diencephalon in the centre and nuchal membrane posteriorly. Deviations from the midline plane cause non-visualization of the tip of the nose and visibility of the frontal process of the maxilla.

### The distribution of your nuchal translucency measurements

You have examined a total of 100 fetuses. The median of your NT distribution is 0.17 mm above what it should be. The scatter of your results is acceptable.

Assuming you screen by NT alone, your detection rate for a false positive rate (FPR) of 3% will be 72.0%, compared to the expected 72.0%. If you screen by NT and biochemistry, the detection rate for a FPR of 3% will be 86.0%, compared to the expected 86.0%.

In screening by NT and biochemistry at a risk cutoff of 1 in 100 the FPR and detection rate should be 2.7% and 84% respectively. On the basis of your distribution the values would be 3.2% and 87.0%.

Your distribution of NT meets the FMF criteria.

### Re-audit schedule

Your images are satisfactory and the distribution of your NT measurements was good. Your name will now be included on the list of certified sonographers with a satisfactory audit on the FMF website. Your license has been extended for one year; your next audit is due in **Oct 30, 2020** and your license expires in **Nov 30, 2020**.

Best wishes,

Ewelina Litwińska

