



PRENATAL SCREENING PROGRAM

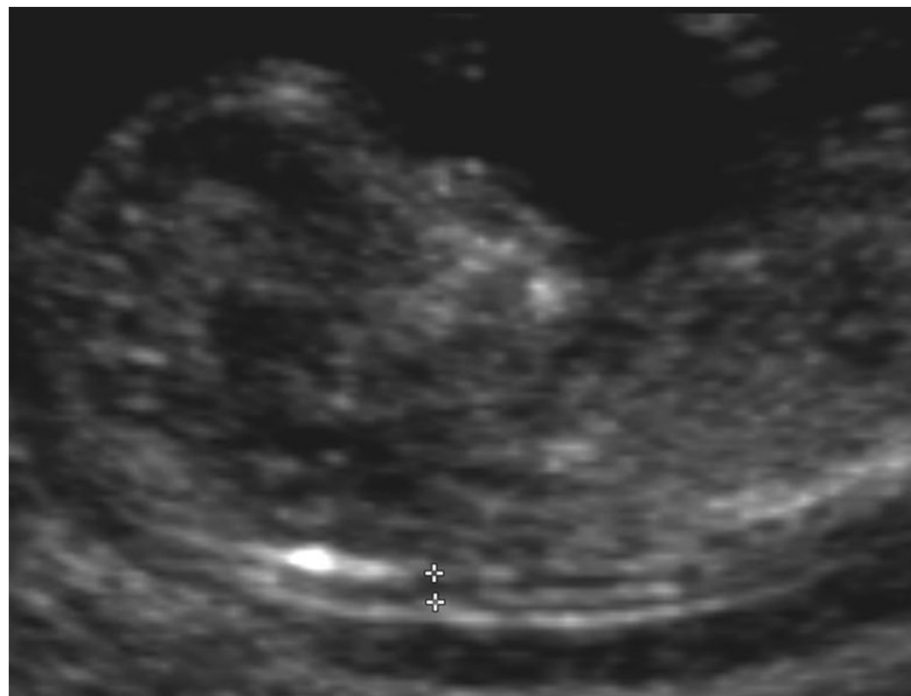
PROGRAMME DE DÉPISTAGE PRÉNATAL

Better Outcomes Registry & Network
Registre et Réseau des Bons Résultats dès la naissance

BORN Ontario

Nuchal Translucency Quality Assurance

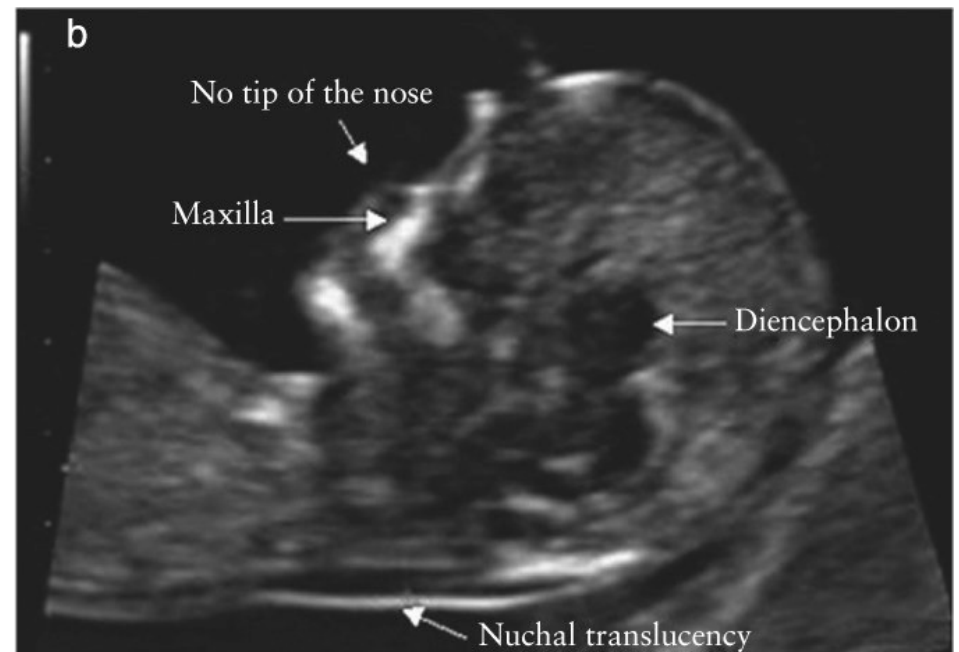
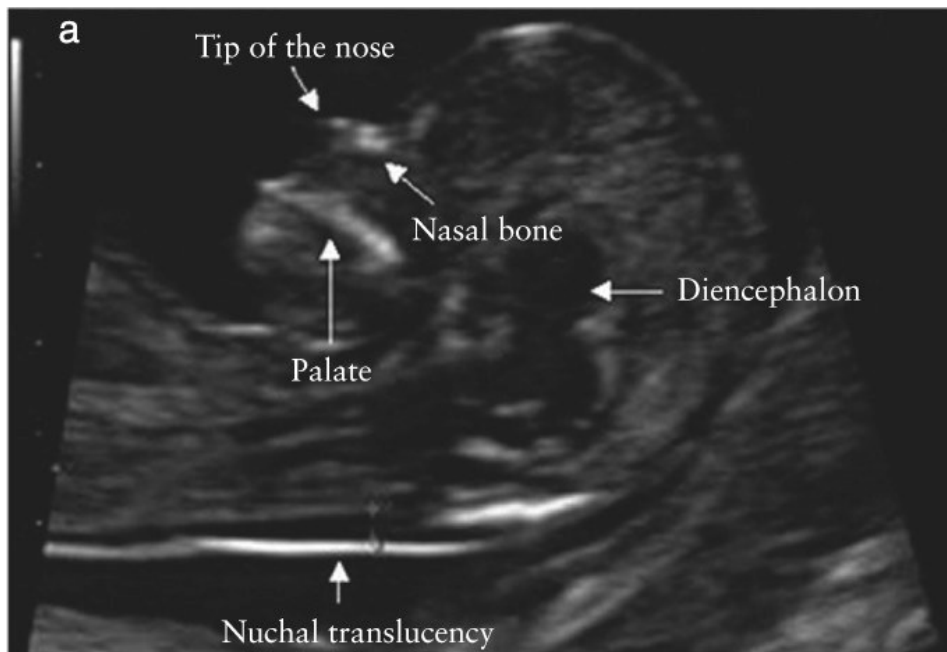
Refresher on NT Image Requirements



45-84 mm CRL

Midline Sagittal and Zoom

- Mid sagittal view
- Head and thorax only (appropriate zoom)



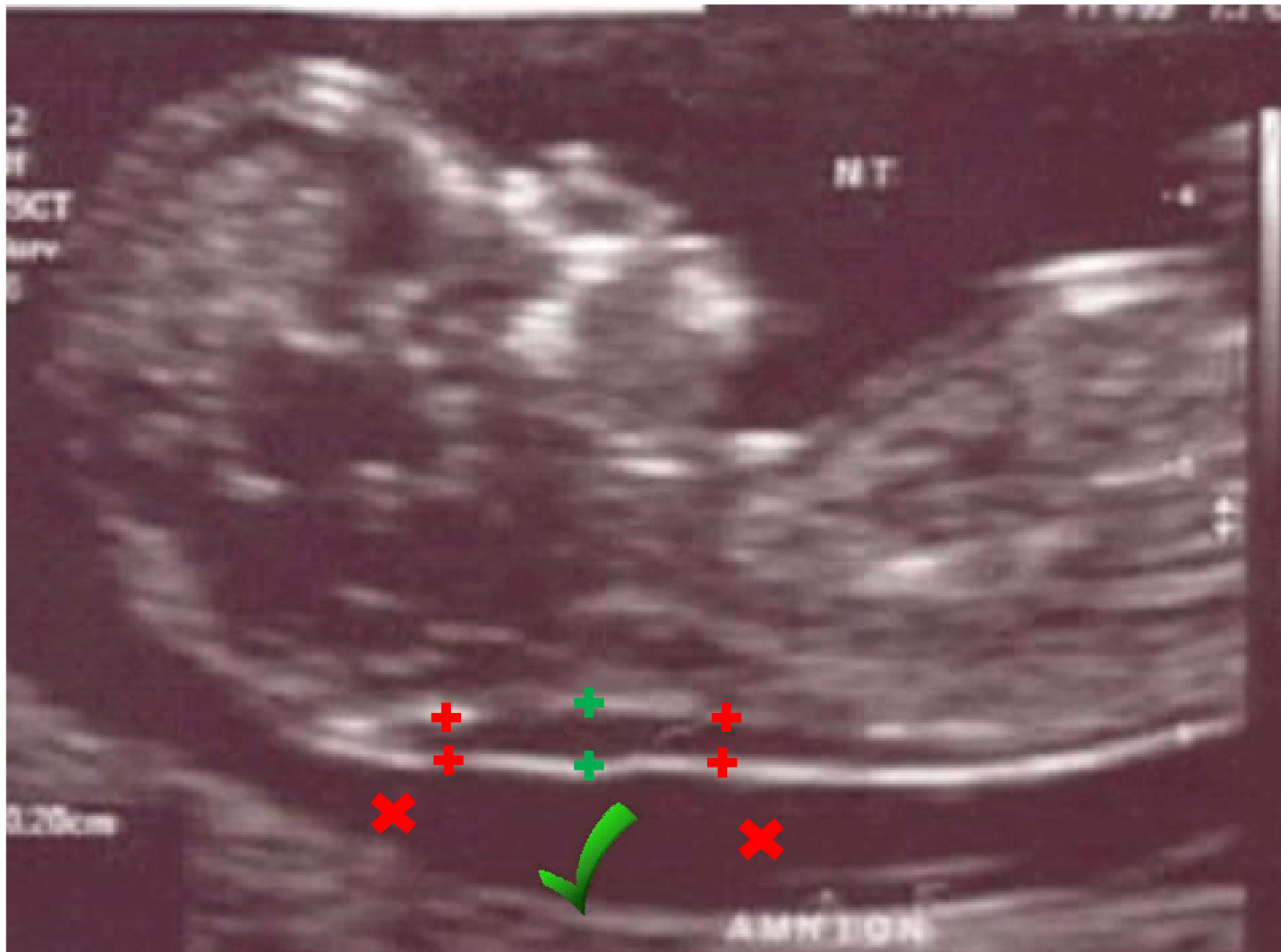
Neutral Position



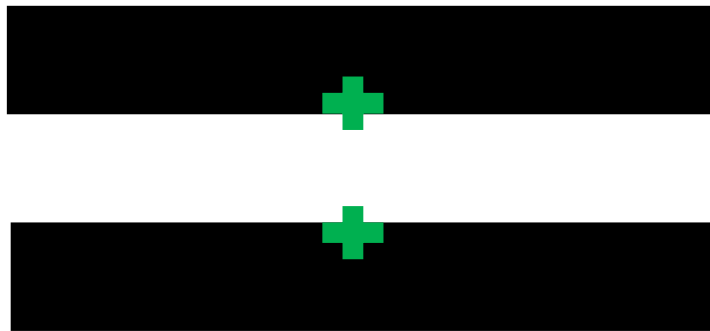
<http://www.health.gov.au/internet/publications/publishing.nsf/Content/di-obs-guidelines0907-toc~di-obs-guidelines0907-att6>

When the fetal neck is in a hyperextended position the measurement can be increased by up to 0.6 mm. When the neck is in a flexed position, the measurement can be decreased by up to 0.4 mm. (FMF)

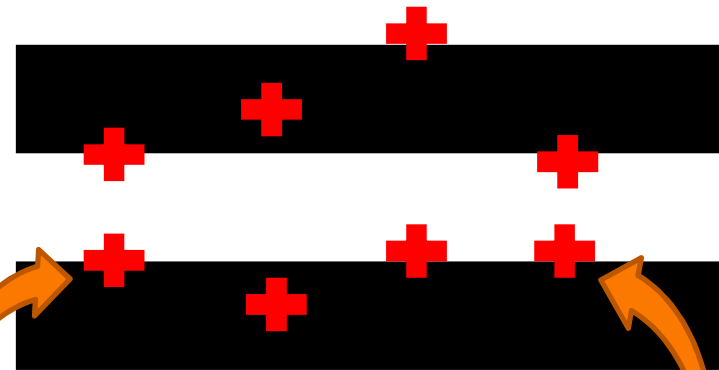
Measure the *widest* portion



NT Calliper Placement



CORRECT



INCORRECT

Result in under-measurement

A few other reminders:

Ensure gains are turned down. Over-gaining will result in fill-in of the translucency from the skin line

Take multiple measurements and *always* use the **largest**

Be mindful of visualizing the amnion separately and demonstrate in image if possible

Resources

- BORN website allows access to your user-specific curve (<https://www.bornontario.ca/en/born-information-system/?q=5>)
- FMFUSA Survival guide to 1st trimester scanning- fantastic video detailing all aspects of 1st trimester examination: (<http://www.fetalmedicineusa.com/>)
- FMF website (<https://fetalmedicine.org/education/the-11-13-weeks-scan>)
 - Re-do the 11-13 week scan
 - Download the book on 11-13 week scan (details all information needed for NT image)

Contact me directly at lbjerring@bornontario.ca

References

Luchi, C., Persico N., Rembouskos G., Nicolaides K.H. (2014) Practical approach to obtain the mid-sagittal plane of the fetal face at 11–13 weeks' gestation by two-dimensional ultrasound. *Ultrasound in Obstetrics and Gyencology*. Retrieved from the World Wide Web at: <https://doi.org/10.1002/uog.14660>

<http://www.health.gov.au/internet/publications/publishing.nsf/Content/di-obs-guidelines0907-toc~di-obs-guidelines0907-att6>