

# Official First Trimester Fetal Medicine Foundation Nuchal Translucency (NT) and Nasal Bone Certificates (For USA Residents)



Dear Participants,

The Fetal Medicine Foundation (FMF) of America and London have established a Certificate for the 11-14 Week Scan to ensure that all those performing this ultrasound examination and measuring NT and Nasal Bone Assessment are appropriately trained and that the USA National FMF NT and Nasal Bone performance standards are maintained by formal training and external audit. This FMF Certificate process is the permanent USA and International Standard.

The fastest way to receive the FMF Practical Certificate(s) for NT and/or Nasal Bone involves each sonographer attending a course, passing the multiple choice exam, and submitting their NT and/or NB films for review. The protocol of having one sonographer teach another has not been successful and is not offered. The Certificate is operator-specific. **To submit films, use the NT/NASAL BONE FILM SUBMISSION FORM on the reverse side.**

Please call if you do not receive your **NT/Nasal Bone course exam certificate** from the Fetal Medicine Foundation in London within 2-3 weeks after the course, which reads "(your name) has attended and passes the Theoretical Course for the **Certificate of Competence in Ultrasound Examination**". At the conclusion of the Film Submission process, you will receive a certificate from the FMF which reads "(your name) has attended **the Theoretical Course and has passed the Practical NT Examination**". Once you have received the **Practical Examination Certificate**, send a copy of your **Practical Exam Certificate** to GeneCare so you can start First Trimester freeBeta/PAPP-A/Nuchal Translucency screening. A separate **Nasal Bone Practical Exam Certificate** will be sent to you after Naomi has reviewed your NB images.

The Fetal Medicine Foundation will send a letter once a year, which you need to respond to in order to maintain your certificate. Yearly audit of NT measurements and image quality is required to maintain the accuracy of the risk assessment. You will be requested to send 5 NT films to the FMF each year for review. Also, GeneCare will send your NT median analysis each quarter to you, as well as yearly, to the FMF to help you continue your certificate.

After you receive your NT Practical Exam Certificate, you may request Dr. Nicolaides send you a CD for triplet and quadruplet NT risks calculations. While the FMF data for NT matches the USA data, the British biochemistry data on the CD does not. Therefore, do not use the CD to calculate first trimester freeBeta/PAPP-A/NT risk for singleton or twin pregnancies. You can use the CD to calculate the NT risks for 3 or more fetuses or GeneCare can receive your NT's and calculate the risks for you.

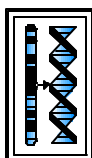
Combined First Trimester Screening reduces NT positives from 8.3% to <3% and increases detection from 82% to 93%, so NT should not be reported alone. Twin screening risks based on combined testing has an 80% detection rate but significantly lower initial positives (7.2%) than NT alone (10.4%). Biochemistry should be submitted for ALL patients to increase detection, HALF the positives and give each patient her most accurate risk. Even the smallest and largest NT's should be combined with biochemistry. We will also send you Pregnancy Outcome Forms to give to each patient for research and to document the efficacy of this testing. FMF - NT measurements cannot be transferred to any other database.

Official Nuchal Translucency courses are posted on "**GeneCare.com**". Please let me know if you have questions or if we can assist you with your certificate (**Phone:** (919) 942-0021 or **e-mail:** [Info@GeneCare.com](mailto:Info@GeneCare.com)). We will be happy to assist with implementing your First Trimester Screening program.

Warmest regards,

Philip D. Buchanan, Ph.D., F.A.C.M.G.

OVER



**GeneCare**<sup>®</sup>  
Medical Genetics Center

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# FETAL MEDICINE FOUNDATION

## NUCHAL TRANSLUCENCY / NASAL BONE FILM

### SUBMISSION FORM

I Attended an FMF NT/NB course ? Yes ? No and received Hands-on Training ? Yes ? No

Course Date: \_\_\_\_\_ City: \_\_\_\_\_

MFM Obstetrician/Sonographer/Radiologist/Nurse/CNP/CNM/PA/Other: \_\_\_\_\_

Practice/Affiliation: \_\_\_\_\_

Your name: \_\_\_\_\_

Address: \_\_\_\_\_

Telephone: \_\_\_\_\_ Fax: \_\_\_\_\_ E-mail: \_\_\_\_\_

**You can submit Films for an NT and/or Nasal Bone FMF Practical Exam Certificate(s) together or separately. Call or e-mail questions to Dr. Buchanan or Mrs. Naomi Greene. Please note that you must have an NT measurement Practical Certificate before, or at the same time as, applying for a Nasal Bone certificate.**

**Please include a copy of this Film Submission Form with each set of materials you send.**

1. First, **FedEx** prints of **ONLY 10 nuchal translucency (NT) measurements and/or 5 prints showing normal Nasal Bones without measurement to Naomi Greene** (address below). Thermal or color print images are easiest to read (keep copies). You may include 2-3 images per fetus. Please **cross out patient's name/ID completely using pen, or cut the names off, but leave the date**. Write the CRL on each image.
2. There is a one-time fee of \$50 (per person) due when you begin the film submission process. Please include a check made out to Naomi Greene for this amount with your first set of images.
3. Naomi will review your images and return them to you with comments written on them and a letter summarizing her comments. If you would like your images and letter returned to you by **FedEx** rather than by US mail, please supply Ms. Greene with your FedEx account number: \_\_\_\_\_.
4. Your first set of 10 NT images and/or your first 5 Nasal Bone images may pass review or Naomi may request you submit more images after making suggested adjustments to your technique. Naomi's letter will indicate how many subsequent images to **FedEx** to her **ONCE YOU HAVE INCORPORATED THE SUGGESTIONS MADE BASED ON YOUR FIRST IMAGES**
5. For NT, you will be asked to **FedEx** a videotape of three cases each with 3 real-time NT measurements to Naomi Greene (9 measurements in all on the tape). Do **NOT** show the whole exam on your tape; the whole tape should be about 5 minutes long. **Standard VHS at normal speed, please**. If you do have access to a VCR, 1) bring in a VCR, plug into Video Out port on the back of your machine or monitor or 2) only if you cannot do a videotape, make a CD of your digital video clips.
6. I am enclosing the following for assessment (circle all that apply): **NT images**      **NT video or CD**      **NB images**

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