Appendix IV

Neonatal Intensive Care Unit Parent Information Sheet
Brain MRI

➢ *What is a brain MRI?*

Magnetic resonance imaging (MRI) is a routine technique for taking detailed pictures of the brain. These pictures help us understand the structure of the brain and its development.

➢ *What will it involve?*

The scan will be done by a trained MRI technician during your baby's natural sleep. This will most likely occur at BWH, however the study might be obtained at Boston Children's Hospital. Your baby will lie on a bed that slides into the MRI scanner. He/she will wear earmuffs to reduce scanner noise, and will be swaddled to keep him/her still, safe, and comfortable.

➢ *Are there any risks?*

MRI is a safe, painless study with no known health risks. Unlike an X-ray or CT scan, there is no exposure to radiation. Babies do not require sedation for an MRI. Most babies, once swaddled and fed, sleep right through the MRI.

➢ *How long will it take?*

A typical scan takes around 45 minutes or a bit longer if your baby wakes up.

➢ *How will you make sure my baby is comfortable?*

Your baby will be fed and wrapped in a snug blanket prior to the MRI and will likely sleep through the study. If your baby wakes, he/she will be resettled. If he/she cannot be settled at any point, the scan will be stopped and your baby will come back to the NICU.

➢ *Who will be with my baby?*

A neonatal nurse will accompany your baby to the MRI. The nurse will remain with your baby during the MRI. Your baby's heart rate and oxygen level will also be monitored continuously during the MRI.

➢ *How will I get results of my baby's MRI?*

Your baby's medical team will work with the appropriate specialists to interpret the study results and discuss these with you. Because multiple specialists might contribute to the MRI interpretation, obtaining a final result might take several days.

➢ *What if I have questions?*

Please ask!! Your baby's medical team will be happy to answer any questions you may have.

Steps for obtaining an infant brain MRI

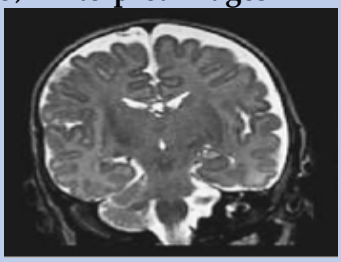
1) Feed and swaddle



2) Obtain study



3) Interpret images



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