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MEMORANDUM

To: Peter Barker, D.Phil.
Professor
SOM Radiology-Neuroradiology Research

From: Roy Shipley, CBET
Associate Clinical Engineer
Clinical Engineering Services

Re: Protocol number: NA_00036313
Your study entitled: **“MRS and MRI Studies of Normal Volunteers at 1.5 Tesla, 3.0 Tesla and 7.0 Tesla”**
CES project number: P-2707IRB

Date: March 28, 2011

As requested by Joseph Gillen, I have inspected the following Philips imaging coils and interface boxes.

Description	Philips Reference number	Serial number
Small partial volume coil	453567497831	104
Partial volume coil	453567535941	107
Partial volume coil	453567457561	107
T/R interface box	453567535191	104
T/R interface box	453567480701	108

After examining the devices, and discussing the clinical usage with Joe Gillen, I find that these MRI coils and accessories listed above are non-significant risk to study volunteers. Therefore, Clinical Engineering Services approves of their use in this study protocol. If you have any questions, please contact me by phone at 5-5069 or by E-mail rshiple1@jhmi.edu.

Cc: Andrew Currie
Joseph Gillen