**Estimated Budget**

**Title of Research Project:** Sound Attenuation During MRI Exams

**Principal Investigator(s):** Melissa Kitzmiller, RT(R)(MR)(CT)(ARRT), BS CogSci; Bernie Orcutt, RT(R)(MR)(CT); Fred Laningham, MD

***Budget Summary***

 Regulatory $2000

 Education $1221

 Equipment $6726.28

 Supplies $550

 Space $0

 Laboratory $0

 Pharmacy $0

 Personnel $0

 Other $1500

 **TOTAL BUDGET:**  $11,997.28

***Expanded Itemized Budget***

**Regulatory:**

Institutional Review Board Fees $2000 (Estimated)

 Initial Review

 Amendments/Revisions/Updates

 Continuing Review

 Revisions to Informed Consent documents

 Study Closure Notices

 Research Incident Reports/Serious Adverse Event Reports/Other IRB activities

 Application to Human Subjects Committee/Associated Fees $1000

**Education:**

 **CITI Certification -** $407 per person (x 3 = $1221)

 **Pricing Cost Breakdown**

Good Clinical Practice (GCP) for Clinical Investigations of Devices

$129 per person

 Biomedical Foundations

 $129 per person

Biomedical Principal Investigator

 $99 per person

 Essentials of Public Health Research

 $50 per Person

 Considerations for Reviewing Human Subject Research

 Free

**Equipment (**Shipping and Taxes included separately**):**

Sound Pressure level Meter (one of the following)

Hottinger, Bruel and Kjaer

HBK 2250, fiber optic cable, mic/sensor

**NEW:** $8674

 **USED:** $2900 (Estimated) – included in Budget

 **RENTAL:** $ 1079/Month

 (Advanced Test Equipment Corp)

 Casella CEL Sound Measurement Kit

Casella CEL-633.A1/K1 Broadband Sound Level Meter Kit

NEW: $4355.52

 (Amazon)

USED: $5003.00

 (Megadepot)

 Sound Pressure Level Calibrator

 HBK Class 1 – Type 4231

 USED: $366.66

 Fiber Optic Cable

 Standard Telecom (as needed)

 $100 (Estimated)

 Preamplifier

 Bruel and Kjaer Type 2669

 USED: $1200

 Computer

 Personal Computer - Existing

 Shared work station as available -Existing

 Software

 MatLab – Individual License

 $1015/year

 Product Noise Partner (ITT Interconnect Solutions)

 $44.62

 Database Software – Existing

 Fiber Optic Cable/Sensor mounting/securement equipment:

 Floor cord cover -$100

 Posted signage -$100

 Sensor mounting adhesive -$100

 Sensor mounts x 2 -$300

 Sensor mount adhesive remover $50

 Water Phantom - Existing

 Patient management necessities:

 Ear plugs -$100

 Headphones -$200

 Papoose -$150

 Linen -Existing

 Cleaning fees – EVS services -existing

**Supplies**

 Pens -$20

 Notebooks -$30

 Study notification distribution materials/Consent forms

 (if electronic consent is not possible/available)

 Printing costs/ink/paper $500

**Space**

MRI Suite -Existing. No anticipated cost at this time.

 Chairs -Existing. No anticipated cost at this time.

 Workspace -Existing. No anticipated cost at this time.

**Laboratory:**

No anticipated need at this time

**Pharmacy**

 No anticipated need at this time

**Personnel**

 Not eligible for reimbursement - Existing

**Other Expenses**

 Shipping and Taxes -$500

Unanticipated Expenses -$1000