**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