

University of Minnesota
Center for Magnetic Resonance Research
Policy
Hearing Protection

Policy Number / Version: POL001 / Version 1

Approval Date:

Implementation Date:

Author/Owner: Jeramy Kulesa

Approval Signatures	Date
Author/Owner:	
Regulatory Compliance Coordinator:	
Center Director:	

1. Purpose

The purpose of this policy is to define the requirements for hearing protection while undergoing MR scans at CMRR.

2. Scope

This policy will apply to all personnel who are involved in conducting clinical imaging and human subjects research at CMRR.

3. Responsibility

It is the responsibility of all personnel who perform the functions listed in Section 2 to adhere to this policy.

It is the responsibility of the owner/author listed above to review the content of this policy for accuracy and continued applicability on at least an annual basis.

4. Policy

Switching currents in the gradient coils for imaging purposes lead to noise development during the MR examination which can exceed 99 dB(A) in the bore.

It is mandatory for the patient/volunteer and all others who will be present in the magnet room during the scan session to wear hearing protection in the form of earplugs, headphones, or a combination of earplugs and headphones that are

provided by the facility. Alternate forms of hearing protection must be approved by the CMRR Safety Committee.

Acceptable forms of hearing protection are as follows:

Earplugs can be used alone.

Avotec headphones can be used alone.

Sensimetrics earbuds can be used alone.

Siemens headphones must be used in conjunction with another form of hearing protection.

5. References

http://www.sens.com/wp-content/uploads/documentation/S14_Attenuation.pdf

6. Appendices / Tables

N/A

7. Revision History

Version Number	Approval Date	Change from Previous Version