Section 1

With the exceptions of minor claustrophobia and/or vertigo these will normally be contraindications to MRI scanning. Do not scan anyone answering yes to any of these questions if you have any doubts about their MRI Safety. Contact the McCausland Center personnel with any questions you may have.

Section 2

The policy of the University and/or the McCausland Center is not to run participants who answer yes to these questions unless these populations are specifically included in the approved IRB for the study.

Section 3

These represent contraindication to MRI scanning unless information regarding 3T MRI safety can be obtained. For surgical implants, 3T MRI safety documentation needs to be physically documented with the documents always co-located with the MRI screening form. Current accepted documentation for determining the 3T MRI safety of surgical implants include: 1) Signed note from licensed MD stating that the participant is MRI safe for a 3T MRI of the body part being scanned. 2) Printout from www.mrisafety.com showing that the implant is "Safe" at a 3T magnet strength 3) Documentation from the implant manufacturer showing that the implant is MRI Safe at a 3T magnet strength. For implants that are conditionally safe in a 3T MRI, please contact your PI and/or McCausland Center Personnel for final MRI safety determination. Dental implants are considered MRI safe for the 3T MRI if they are non-magnetic. There is sufficient empirical evidence showing that dental implants obtained in first world countries since 1985 meet this criteria. For metallic dental implants not meeting this criteria, information from a participant's dentist or dental surgeon should be obtained showing that the dental implants are non-magnetic and/or 3T MRI safe.

Section 4

Metallic braces and permanent retains must meet the 3T MRI safety requirements of dental implants in section 3 above. However, metallic braces will have significant image artifacts in brain scans that will almost always render the participant's data unusable. Permanent retainers produce image artifacts to a lesser degree in brain scanning; in many cases, the artifact level does not have a significant effect on the brain image quality. There may be exceptions for certain scan types, and the choice to exclude permanent retainers for scientific reasons is handled by each MRI lab. Participants MUST be alerted to the rare possibility of uncomfortable tingling and/or warming and told to alert the experimenter if this happens – at which point scanning should cease.

Permanent Makeup represents an absolute contraindication to MRI scanning.

Tattoos from licensed US parlors since 1992 are unlikely to suffer any problems. All other tattoos and cicatrisation marks (e.g., jailhouse tattoos, third world tattoo artists, etc.) are typically considered a contraindication to MRI scanning. All persons with tattoos MUST be alerted to the rare possibility of uncomfortable tingling and/or warming and told to alert the experimenter if this happens – at which point scanning should cease.

Section 5

These items often contain some form of metal and MUST therefore be removed before a participant can be scanned. If a participant refuses to remove an item, they may not be scanned. If evidence can be found showing that an item contains no metal, then it is 3T MRI safe, and can remain on while the participant is being scanned.

Section 6

This is a double-check for any brain surgeries, cardiac or thoracic surgeries (which may have metal staples), and/or any other surgeries where metallic items have been, or may have been implanted. If you have any doubt about the participants MRI safety based on the surgery list, the participant must not be scanned.

Section 7

Persons with severe contact allergies, or allergies to plastics and/or latex should not be scanned (the emergency squeeze ball contains latex). Minor latex allergies can be dealt with by covering the squeeze ball with a washcloth and taping the end closed. Participants should also be asked about allergies to any medication if none are listed.

Section 8

Asking about prior MRI scans will help gauge a participant's comfort level and experiences with regards to MRI scanning. If the participant has had any clinical scans of their brain, head, and/or neck, ask about the reasons for, and the findings from these scans. This relates to possible incidental findings without this information from the participant.

Signature Block

All screening forms must be signed by the participant or their legal guardian. The MRI Screening Form also needs to be signed by a witness from the group performing the research.

Final Remarks

Safety is our highest priority, if you are unsure about a participant's 3T MRI Safety, are uncomfortable with the participant's behavior, and/or are uncomfortable with any response on the MRI Screening Form; **DO NOT scan the participant!**