

SHELLOCK
R & D SERVICES, INC.



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<http://www.MagneticResonanceSafetyTesting.com>

01/26/26

Michael A. Klein
TSK Products

RE: Artifacts evaluated 3-Tesla for three different positioning pads

Dear Mr. Klein,

Artifacts associated with the presence of the three different positioning pads (note, emphasizing the "labeled portion") was assessed at 3-Tesla.

MR imaging was performed on a rectangular (12 inches x 8 inches x 8 inches) copper sulfate filled phantom using a send/receive body RF coil and the following imaging techniques:

- (1) T1-weighted spin echo pulse sequence (T1-SE)
- (2) Gradient echo pulse sequence (GRE)

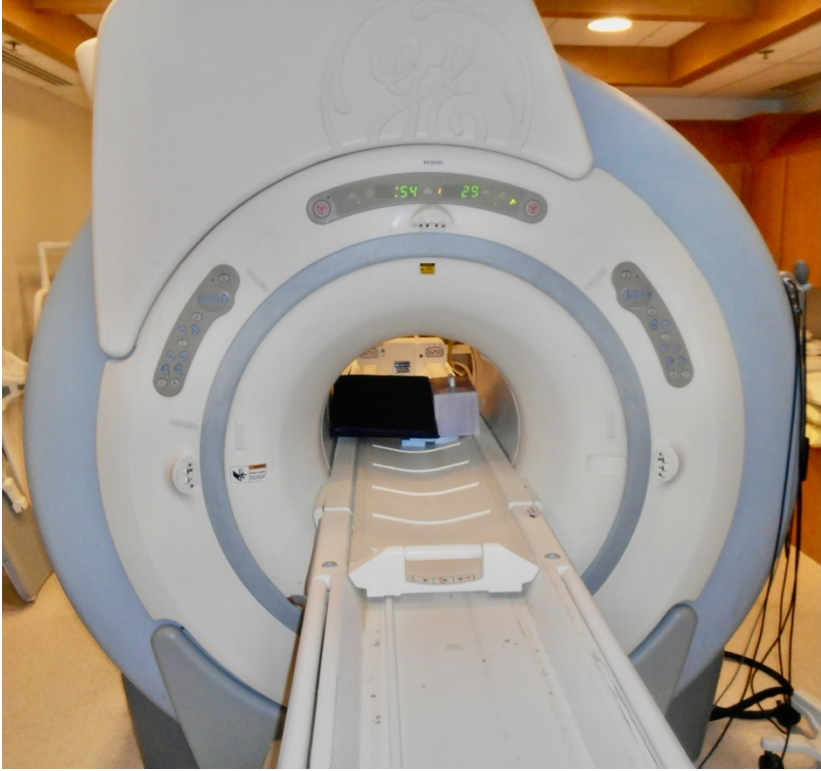
These are commonly used pulse sequences that are clinically applied for MRI. In addition, the GRE pulse sequence is a gradient echo technique that tends to have a great degree of artifact associated with it when MRI is performed on patients with implants or devices.

Samples:

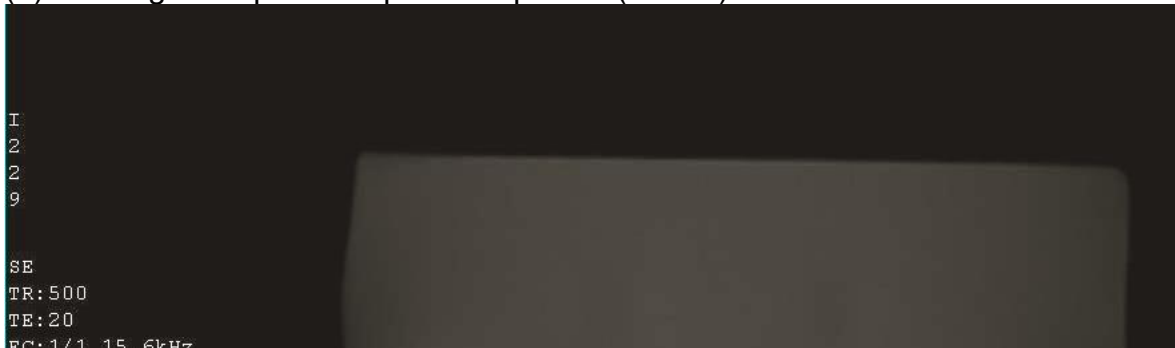
Comfort Wedge with digital printing
Comfort Wedge with silk screen printing
Wedge with no printing



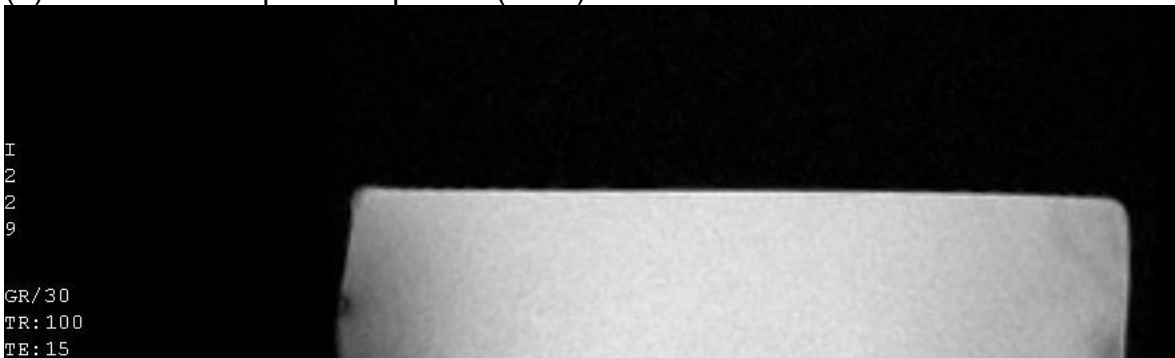
Comfort Wedge with digital printing that underwent MRI at 3-Tesla and the MR images that were obtained, shown below.



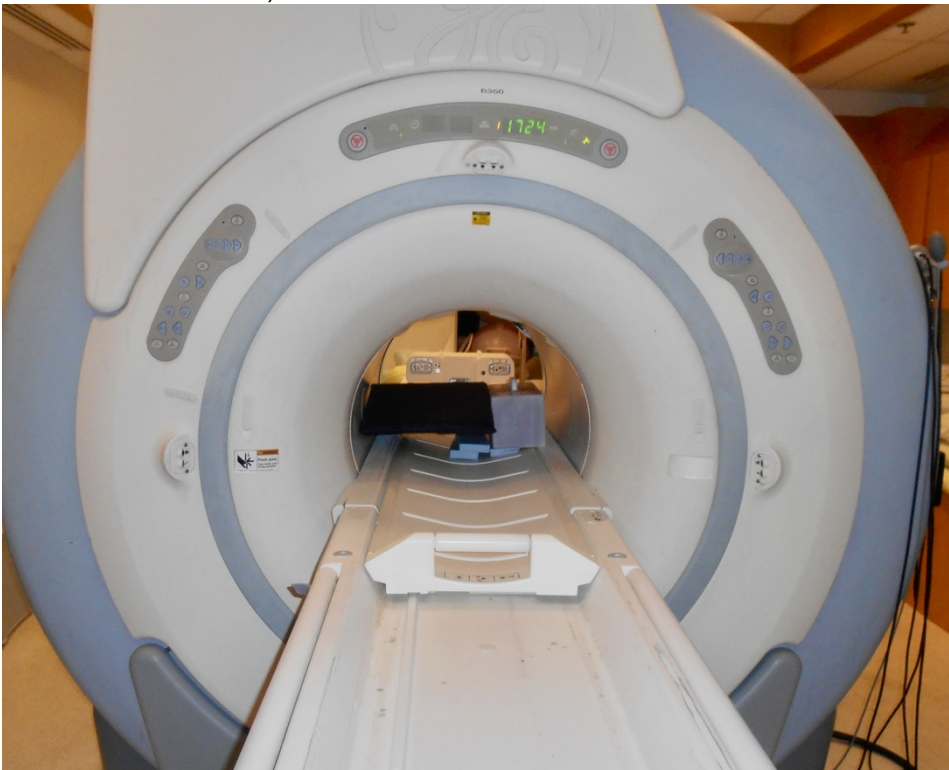
(1) T1-weighted spin echo pulse sequence (T1-SE)



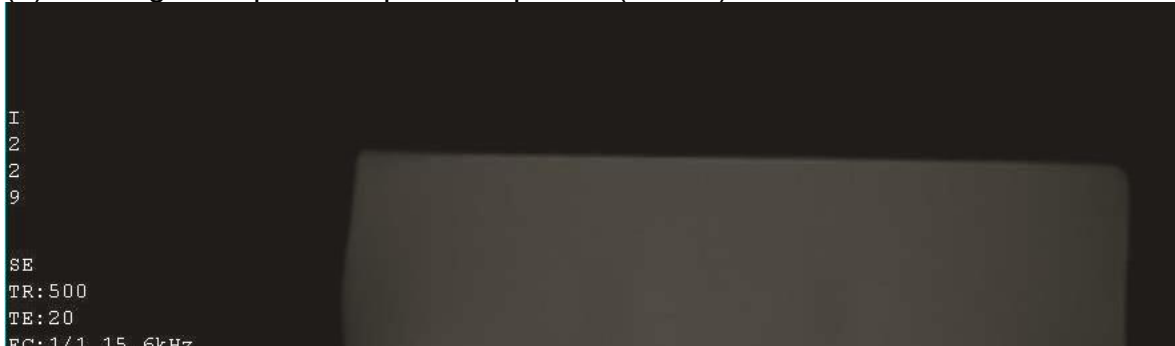
(2) Gradient echo pulse sequence (GRE)



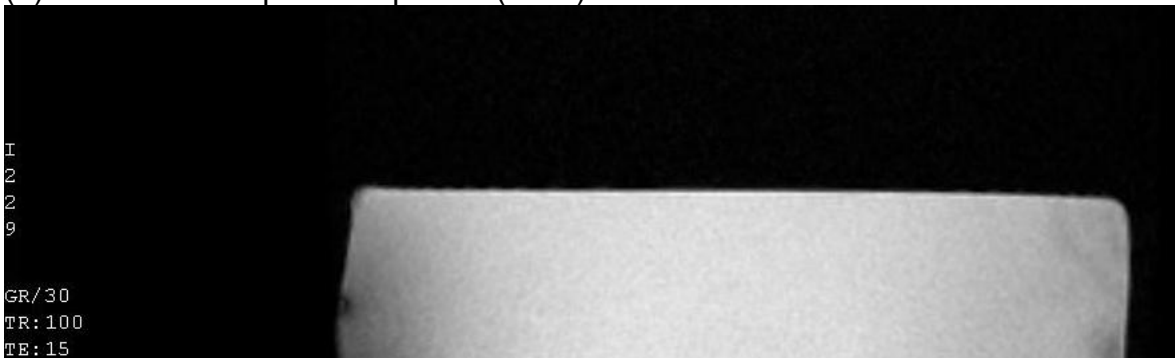
Comfort Wedge with silk screen printing that underwent MRI at 3-Tesla and the MR images that were obtained, shown below.



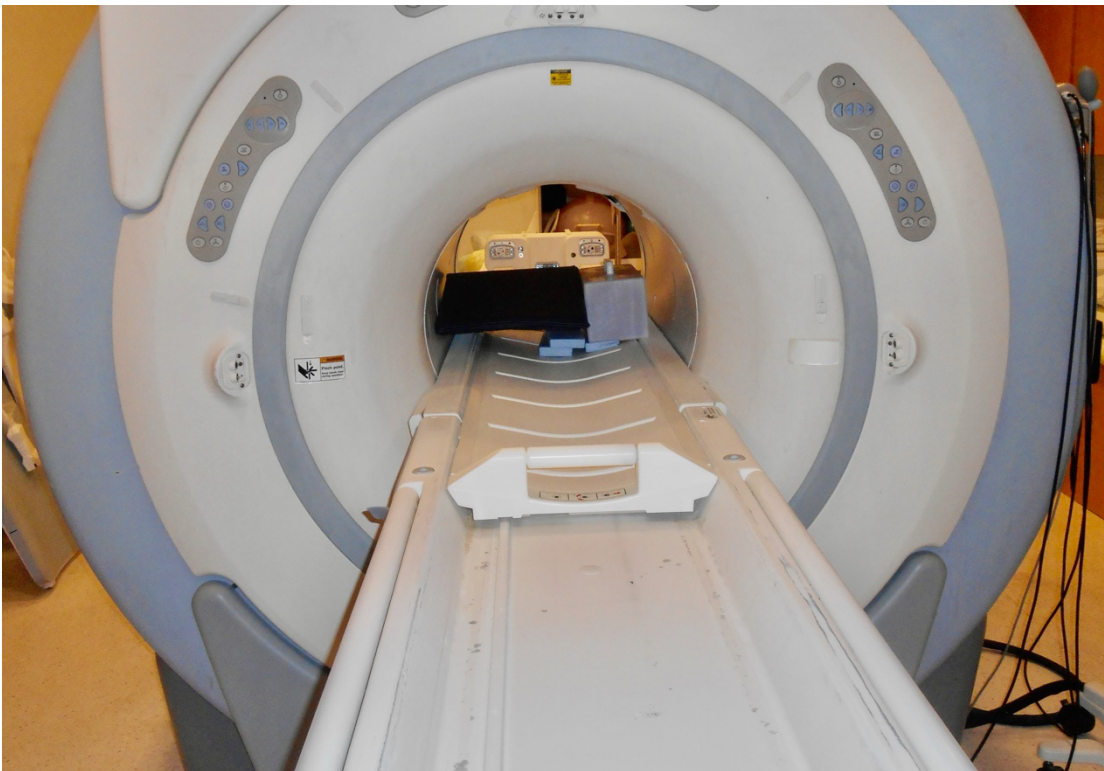
(1) T1-weighted spin echo pulse sequence (T1-SE)



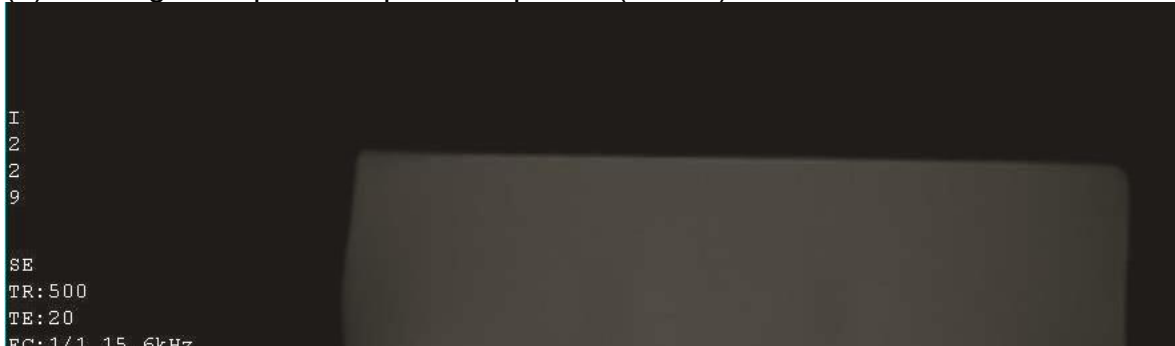
(2) Gradient echo pulse sequence (GRE)



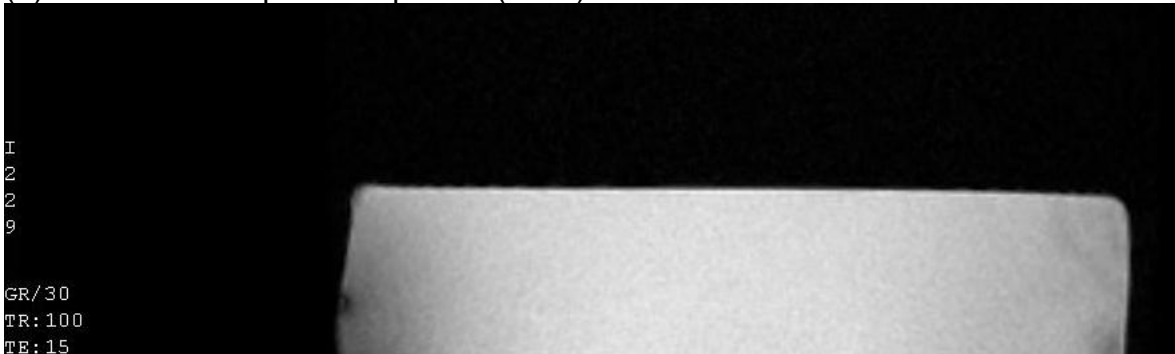
Wedge with no printing that underwent MRI at 3-Tesla and the MR images that were obtained, shown below.



(1) T1-weighted spin echo pulse sequence (T1-SE)



(2) Gradient echo pulse sequence (GRE)



Upon careful review of the image quality for MR images that were obtained, there was no evidence of artifacts. These findings support the labeling claim MR Safe for the following:

- Comfort Wedge with digital printing
- Comfort Wedge with silk screen printing
- Wedge with no printing

Please note that the sponge used for the above positioning pads is not as good as pads that we currently use for our patients undergoing MRI exams. Additionally, there is concern that the repeated use of cleaning solutions may compromise the integrity of the fabric and/or the stitching used for the pads that underwent testing.

Let me know if you have questions.

Sincerely,

Frank G. Shellock, Ph.D.
President and CEO