

Poster #: 55

Title of MR Artifacts: Friend or Foe

Abstract:

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Modality: MR

Organ System: MSK

Intro: N/A

Purpose: N/A

Methods Used: N/A

Results of N/A

Abstract:

Discussion: N/A

**Scientific
and/or Clinical
Significance?** N/A

Relationship to existing work MR artifacts are frequently thought of to be detrimental to the everyday work of a radiologist. Little has been published in the literature as to how these artifacts can be beneficial in coming up with a radiologic diagnosis.

PURPOSE: The purpose of this exhibit is: 1. To review the most common MR artifacts and why they occur. 2. Virtually every MR artifact has a useful musculoskeletal application. This will allow the radiologist to utilize artifacts as a diagnostic tool. **CONTENT ORGANIZATION:** 1. Review the origin of MR artifacts and techniques to reduce their effects. 2. Describe how MR artifacts can be used as a tool in musculoskeletal imaging. 3. Several examples of the most common artifacts (chemical shift, truncation, susceptibility) will be provided. 4. Sample cases and discussion. **MAJOR TEACHING POINTS:** 1) Understanding why MR artifacts occur and techniques to reduce their effects. 2) Understanding how artifacts are beneficial in musculoskeletal imaging