

Scientific Session

SS08-1

MR IMAGE OPTIMIZATION FOR MSK IMAGING

Le Roy Chong

Department of Radiology, Changi General Hospital, Singapore, Singapore

Not all pulse sequences are created equally. High-quality images are imperative in musculoskeletal imaging allowing for accurate diagnosis and in many instances facilitate the use of non-arthrographic techniques. A thorough understanding of MRI scanner capabilities and limitations is a powerful tool allowing the radiologist the working knowledge to optimize and acquire the best possible images tailored to the requirements of each facility. This lecture will present simple concepts related to coil selection and image resolution, as well as a more detailed discussion of advanced optimization concepts related to contrast weighting, receiver bandwidth and available imaging options found in various scanners. Major differences in scan techniques and nomenclature between major MRI vendors will be reviewed, along with some practical suggestions and recommendations to aid radiologists adapt these principles in their routine practice.

Keywords : MRI, Musculoskeletal