



Cardiovascular

SY17-2

## Standardization of myocardial T1 mapping

Byoung Wook Choi

Radiology, Yonsei University, South Korea

One of the most promising imaging biomarkers for characterization of myocardial tissue by cardiac MRI is native T1 mapping. However, it is not effectively used in clinical centers because native T1 mapping values are not standardized according to various MRI vendors, sequences, and imaging parameters. Therefore, a clinical center was recommended to build its own reference values for its specific setting of T1 mapping imaging environment. However, usually small number of reference cases of a clinical center is easily affected by potential outliers and bias. In addition, T1 values are not interoperable between clinical centers. Therefore, standardization of myocardial T1 mapping is needed. I would like to introduce and discuss about the proposed methods for standardization of myocardial T1 mapping.

*Keywords: Standardization, MRI, T1 mapping, Imaging biomarker*