



Neuro 1

SY04-3

Automatic Quantification of MR-Visible Perivascular Space

Junghwa Kang

Hankuk University of Foreign Studies, Korea

Recently, there has been a significant increase in interest in the glymphatic system, the waste clearance pathway of brain, leading to an increased need for quantitative evaluation of the perivascular space (PVS). Noninvasive imaging modalities such as MRI provide an effective way to assess the PVS in the brain parenchyma. Therefore, this lecture will examine the primary imaging characteristics of the PVS on MRI, introduce automated methods for its quantification, and review relevant application studies.

Keywords: Glymphatic system, Perivascular space