Oral MO-6

(09:50-10:00)

Characteristic findings of proton magnetic resonance spectroscopy of primary central nervous system lymphoma

Kim seung hun, Lee hui joong, Kim yong sun

Kyungpook national university hostipal Department of radiology

목적 : In order to characterise primary central nervous system lymphomas (PCNSL) and to evaluate if 1H spectroscopy improves the preoperative differential diagnosis of other diseases.

대상 및 방법 : We reviewed 11 MR imaging and 7 MR spectroscopy of 9 patient with lymphoma confirmed by stereotatic biopsy.

결과 : 3 of 11 image series of lymphoma showed normal white matter signal intensity on diffusion weighted image and 8 showed weak increased signal intensity similar to white matter tract such as superior occiptofrontal fasciculus. All series of MRS showed increased dual peak at 1.3ppm suggestive lactate with normal or slightly decreased NAA peak and increased Cho/Cr ratio.

결론 : The findings of increased lactated peak and presence of NAA pea witha markedly elevated Cho/Cr ratio, MRS provides metabolic information which may improve the preoperative differentiation of other disease. And We postulated that presence of Lactate peak without significant decreased N-acetylasparate on MR spectroscopy andweak increased signal intensity on diffusion weighted image reflect lymphoma cell infiltration into normal neuronal fibers.