

REGIONAL NEUROAXONAL INJURY DETECTED BY ¹H 3 TESLA SPECTROSCOPIC IMAGING IN LATE ONSET TAY SACHS

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Abstract – Late-onset Tay Sachs (LOTS) is a rare lysosomal storage disorder resulting from mutations of the subunit of the lysosomal enzyme β -hexosaminidase A, which catalyzes the degradation of GM2 ganglioside. We have applied the fast encoding spectroscopic imaging technique to LOTS patients to further investigate the neurodegenerative consequences of this disease.