Multimodal imaging findings in Univerricht-Lundborg disease	
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Objective: To investigate the pathophysiology of Unverricht-Lundborg disease (ULD) using	
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magnetoencephalography (MEG) and positron emission tomography using	
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18-fluoro-2-deoxyglucose (FDG-PET) in a ULD patient. Methods: MEG was recorded <u>using a /</u>	Walla
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204-channel whole-head MEG system, and the cortical activity preceding any myoclonus episodes	削除: the
in our ULD patient were averaged. Equivalent current dipoles (ECDs) were calculated for each	削除: of the patient
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averaged spike. FDG-PET was performed in the interictal state. Results: The result of	
Jerk-locked back-averaging (JLA) demonstrated an electromagnetic cortical activity in the left	
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centroparietal area, and the peak of this activity preceded the onset of myoclonic discharge on the	
electromyogram by 16.0 ms. ECD calculated at the peak was located in the left postcentral area.	
FDG-PET images showed regional hypometabolism in the left part of the pons. Conclusions:	
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Functional abnormalities in the sensorimotor cortex and the brainstem coexist in this patient with	

ULD. Both dysfunctions were considered to be related to the pathogenesis of ULD.