Movement Disorders
CLINICAL PRACTICE

HOW DO I?

How Do I Find Clues About Where Myoclonus Is Originating?

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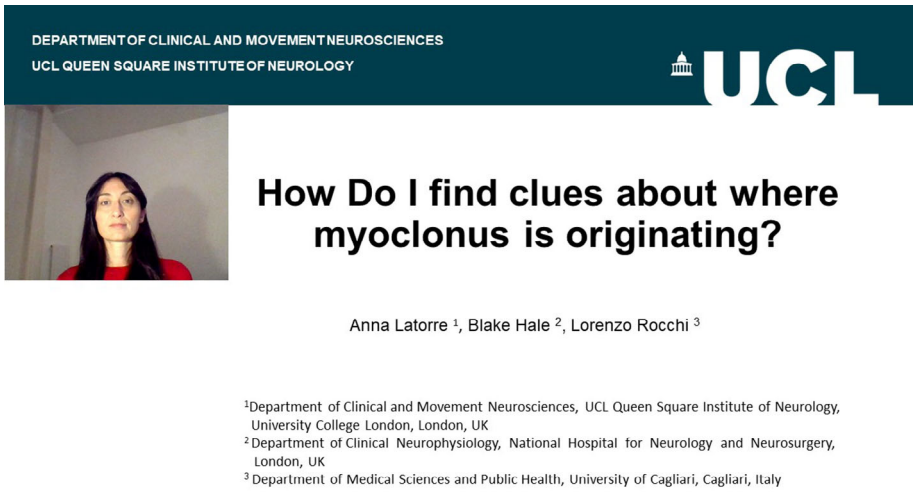
Myoclonus is defined as a brief and jerky shock-like involuntary movement caused by abrupt muscle contraction or sudden cessation of ongoing muscular activity. Myoclonus can be generated by abnormal activity in different parts of the nervous system, both peripheral and central, including cortical and subcortical structures. According to the presumed neural generator, myoclonus is classified as cortical, subcortical (including myoclonus-dystonia and brainstem/reticular myoclonus), spinal (including segmental spinal and propriospinal myoclonus), and peripheral. The identification of myoclonus subtypes, and therefore its potential source, is clinically important because it can guide diagnosis and treatment. In this video lecture (Video), we reviewed how to determine myoclonus origin. We first reviewed the clinical features typical of each myoclonus subtype. We, then, explored the electrophysiological techniques that can aid in the differential diagnosis of myoclonus, based on its origin. In conclusion, we provided a clinical and electrophysiological overview on how to find clues about neural generators of myoclonus.



Video 1. How Do I Find Clues About Where Myoclonus Is Originating?
Video content can be viewed at https://onlinelibrary.wiley.com/doi/10.1002/mdc3.13472

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A.L.: 1A, 1B, 1C, 3A
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Disclosures

Ethical Compliance Statement: The authors confirm that the approval of an institutional review board was not required for this work. Patients have signed consent for video acquisition and publication. We confirm that we have read the Journal's position on issues involved in ethical publication and affirm that this work is consistent with those guidelines. (Video 1)

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