Teaching Video *NeuroImages*: Myoedema in hypothyroidism

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A 22-year-old man with 2 years of malaise and diffuse muscular enlargement complained of slow movements. Clinical examination showed myxedematous facies, lentification of deep tendinous reflexes, and a mound-ing phenomenon (video on the *Neurology*[®] Web site at Neurology.org). Laboratory examinations revealed hypothyroidism and elevated muscular enzymes, suggesting the diagnosis of myxedematous myopathy.

This intriguing physical examination finding known as myoedema, occasionally associated with hypothyroidism,¹ is due to prolonged muscle contraction caused by delayed calcium reuptake by sarcoplasmic reticulum, following local calcium ion release brought out by percussion of biceps belly.²

AUTHOR CONTRIBUTIONS

Giovany Gomes Capistrano: drafting/revising the manuscript, analysis or interpretation of data, accepts responsibility for conduct of research and

final approval, acquisition of data. Gabriela Studart Galdino: drafting/revising the manuscript, accepts responsibility for conduct of research and final approval, acquisition of data.

STUDY FUNDING

No targeted funding reported.

DISCLOSURE

The authors report no disclosures relevant to the manuscript. Go to Neurology.org for full disclosures.

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Neurology 2015;84:e24

DOI 10.1212/WNL.0000000000001195

This information is current as of January 26, 2015

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