(1) Many neurologic and endocrine paraneoplastic syndromes... including Lambert-Eaton myasthenic syndrome [LEMS]... are associated with small cell lung cancer [SCLC].))

-NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines®)1

UNCOVERING LEMS IN PATIENTS WITH SCLC

LEMS IS THE MOST COMMON PARANEOPLASTIC SYNDROME Associated with SCLC²

Ask your patient if they are experiencing any of these hallmark signs and symptoms of LEMS³ (check all that apply)

NEUROMUSCULAR SYMPTOMS AUTONOMIC SYMPTOMS **Patients with** Oculobulbar -Dry mouth (83%) **LEMS** present involvement (50%) with proximal leg weakness caused by Proximal arm -Orthostatic muscle weakness (78%) hypotension (29%) antibodies directed against the Proximal leg voltage-gated Constipation (34%) muscle weakness (97%) calcium channels.)) Distal leg Impotence (65%) -NCCN Guidelines®1,4,5 muscle weakness (31%)

In some patients, a waddling gait may be indicative of LEMS^{6,7} (check the box that best describes their gait)

Patient walks with a waddling gait

Scan the code to watch a classic example of "LEMS gait."



Patient **does not** walk with a waddling gait

Order confirmatory testing when LEMS is suspected

Confirm suspected LEMS cases with an anti-voltage-gated calcium channel (anti-VGCC) antibody test and/or electrodiagnostic testing³

WHY LEMS REQUIRES VIGILANCE IN PATIENTS WITH SCLC

10% OF PATIENTS WITH LUNG CANCER—INCLUDING SCLC—DEVELOP A PARANEOPLASTIC SYNDROME^{8,9}, INCLUDING LEMS¹⁰

Symptoms of LEMS can appear ≥5 years before, after, or at the time of cancer diagnosis.¹¹

AN ANALYSIS OF CLAIMS DATA SUGGESTS >90% OF LEMS CASES ASSOCIATED WITH SCLC MAY BE UNDIAGNOSED WITH LEMS¹²



Symptoms of LEMS, including debilitating muscle weakness and fatigue, can resemble direct effects of tumor burden and/or side effects of anticancer therapies and may be difficult to distinguish.^{8,13,14}

 Left untreated, LEMS patients will experience a progressive loss of muscle strength and functional mobility, which can significantly impair their quality of life and independence.⁶



Scan the code to review this poster presentation for yourself.

It is important that physicians are aware of this rare disease to ensure that patients with LEMS receive an early diagnosis and prompt and appropriate treatment to relieve their clinical symptoms and improve the restrictions on ADL [activities of daily living], overall health status, and HRQoL [health-related quality of life].

-Harms et al, 20126

Request a free LEMS antibody test by scanning the QR code or calling 1-833-422-8259.



Early recognition of LEMS can lead to optimal management of symptoms and improved quality of life (eg, mobility) and may improve survival in patients with cancer-associated LEMS.^{3,6}

References: 1. Referenced with permission from the NCCN Clinical Practice Guidelines in Oncology (NCCN Guidelines[®]) for Small Cell Lung Cancer (V.2.2024). © National Comprehensive Cancer Network, Inc. 2023. All rights reserved. Accessed February 29, 2024. To view the most recent and complete version of the guideline, go to NCCN.org. 2. Simon JJ, Herbison GJ, Levy G. Case report: a case review of Lambert-Eaton myasthenic syndrome and low back pain. *Curr Rev Musculoskelet Med.* 2011;4:1-5. 3. Titulaer MJ, Witz PW, Willems LN, et al. Screening for small-cell lung cancer: a follow-up study of patients with Lambert-Eaton myasthenic syndrome. *J Clin Oncol.* 2008;26(26):4276-4281. 5. Meriney SD, Hulsizer SC, Lennon VA, Grinnell AD. Lambert-Eaton myasthenic syndrome: insulcell syndrome: insulcell lung cancer: a follow-up study of patients with Lambert-Eaton myasthenic syndrome. *J Clin Oncol.* 2008;26(26):4276-4281. 5. Meriney SD, Hulsizer SC, Lennon VA, Grinnell AD. Lambert-Eaton myasthenic syndrome: insulcell lung cancer: a follow-up study of patients with tatus, and healthcare utilization in patients suffering from Lambert Eaton myasthenic syndrome: results of a patient interview survey in Germany. *J Med Econ.* 2012;15(3):521-530. 7. National Organization for Rare Disorders (NORD) website. Rare disease database: Lambert-Eaton myasthenic syndrome. Accessed November 1, 2023. https:// rarediseases.org/rare-diseases/lambert-eaton-myasthenic-syndrome/. 8. Kanaji N, Watanabe N, Kita N, et al. Paraneoplastic syndromes associated with lung cancer. *J Nord J Clin Oncol.* 2014;5(3):197-223. 9. Gandhi L, Johnson BE. Paraneoplastic syndrome is underrecognized in small cell lung cancer: a nanalysis of real-world data. Poster presented at: IASLC 2023 World Conferences on Lung Cancer. Set 1-12, 2023. Singapore. 13. Huot JR, Pin F, Bonetto A. Muscle weakness: What's bone got to do with it? Bonekey Rep. 2015;4:691.

NCCN=National Comprehensive Cancer Network® (NCCN®)



© 2024 Catalyst Pharmaceuticals, Inc. All Rights Reserved. Printed in USA. LEM-0307-1 March 2024

