

EXAMINATION

1. The patient is a 65-year-old male with a long history of hypertension and diabetes mellitus. He presents with a 2-week history of progressive weakness and numbness in both lower extremities. The weakness is more pronounced in the legs than in the arms. He also reports a recent weight loss of approximately 10 pounds and a loss of appetite. There is no history of trauma, falls, or recent changes in medication. The patient has a past medical history of coronary artery disease, treated with aspirin and statins. He is a former smoker and has no alcohol consumption. His family history is notable for a brother with a similar neurological condition who died at the age of 55. The patient is currently on a regular schedule of medications for his chronic conditions.

PHYSICAL EXAMINATION

System	Findings	Significance
General	Weight loss, cachectic	Chronic illness
Neurological	Weakness, numbness, sensory deficit	Neurological disorder
Cardiovascular	Normal	No acute cardiac issues
Respiratory	Normal	No acute respiratory issues
Gastrointestinal	Normal	No acute GI issues
Genitourinary	Normal	No acute GU issues
Musculoskeletal	Normal	No acute musculoskeletal issues
Skin	Normal	No acute skin issues

DIFFERENTIAL:

LINGSTON



FIGURE 1. Schematic diagram of the Lingston device, showing the arrangement of the various components and the path of the light beam.