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A case of shrinkage lung syndrome as a first presentation of SLE

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Shrinking lung syndrome (SLS) is a rare manifestation of the respiratory system associated with autoimmune diseases, and it is characterized by reduction in the lung volume, elevation of the diaphragm, restrictive pattern on pulmonary function test (PFT) with no parenchymal involvement. The pathogenesis of SLS remains unknown, a number of hypotheses suggested a diaphragmatic weakness due to phrenic nerve neuropathy, pain induced diaphragmatic inhibition and dysfunction of the diaphragm due to steroid therapy. Systemic steroids are considered as a first line treatment, immunosuppressive agents can be used. Rituximab showed successful improvement after a failure of systemic steroid therapy. SLS is even rarer as a first presentation of a connective tissue disease. Our patient referred from a local hospital to investigate an unresolved pneumonia, the patient had a positive history of joint pain and photosensitive skin rash mainly in her face, and after the lab work a diagnosis of SLE and SLS has been made.

Biography

Mutlaq medical Intern was born in Dammam on April, 6th 1992. Member in Saudi Diabetes And Endocrine Association (SDEA) Since 2015. Member in Sanad Children's Cancer Support Association Since 2014. has participated and organized several events and campaigns as the annual pre-conference public education activity "Neurosurgery public Awareness Campaign" , "Save a Life" section at the annual Scitech Emergency Medicine Exhibit, 7th and 8th medical career day. Currently work on several researches as cardiovascular response to aerobic exercises in children with type one diabetes mellitus and functional barriers experienced by patients after long- term clubfoot surgery.

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