



Sleep disruption in patients with sleep apnea and end-stage renal disease.

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Author: Andrea Loewen
AnDrea Siemens
Patrick Hanly

Author Affiliation: Sleep Centre, Foothills Medical Centre, University of Calgary, Calgary, Alberta, Canada.

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Abstract: Sleep apnea (SA) is common in patients with end-stage renal disease (ESRD) and such patients are likely to suffer additional sleep disruption associated with restless legs syndrome (RLS) and periodic leg movements (PLM). Our objective was to evaluate sleep quality in ESRD patients who are newly diagnosed with SA and determine the additional contribution of PLM to sleep disruption.

Two groups of patients with SA (apnea-hypopnea index (AHI) > 15) were compared, one with ESRD (n = 12) and the other with normal renal function (n = 18), using a sleep history questionnaire, sleep diary, Pittsburgh Sleep Quality Index, Epworth Sleepiness Scale, polysomnography (1 night) and actigraphy (6 nights).

The prevalence of RLS was higher in ESRD patients (60% vs 6%, p

Notes:

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