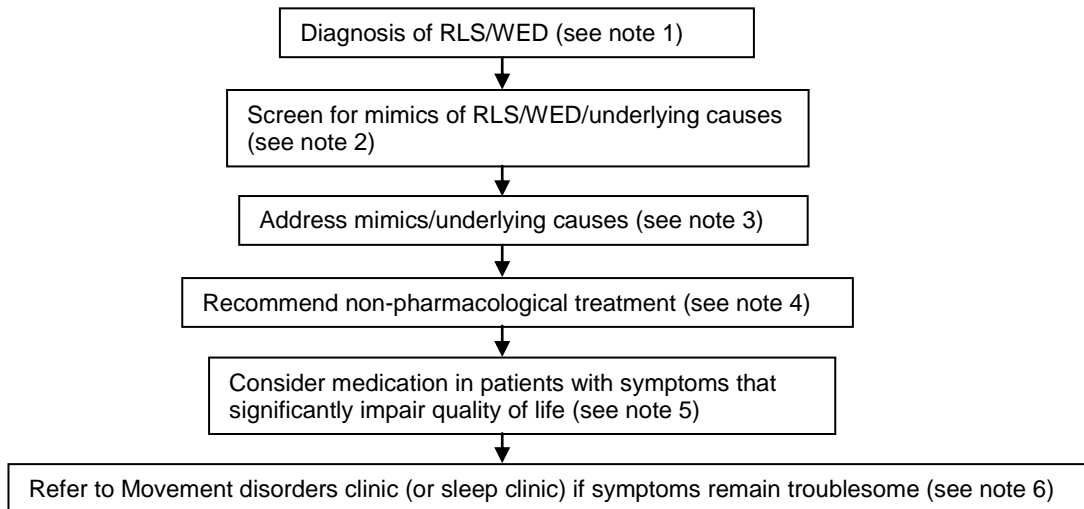


RLS/WED is a neurological movement disorder characterised by a compelling urge to move the legs usually accompanied by uncomfortable and unpleasant sensations. Despite being a common disorder, it is generally under diagnosed. The prevalence in the general population is around 1-29% and increases with age (around 19% at age 80 and over). It is reported to be more common in women than in men.



Notes:

<p>1) Establish diagnosis Diagnostic criteria – International RLS Study Group (IRLSSG) rating scale, NIH criteria and ICSD v3 (International Classification of Sleep Disorders) Symptoms/criteria</p> <ul style="list-style-type: none"> • Undesirable sensations in legs that occur before sleep onset or in the evening, can also include periods of inactivity during the day • Irresistible urge to move the limbs • Partial or complete relief of the symptoms on movement of the limbs • Return of the symptoms on cessation of movements <p>Sleep disturbance is very common in RLS/WED (not a cause, but usually a symptom). Can take longer to fall asleep and more frequent waking.</p>
<p>2) Screen for mimics/underlying causes</p> <ul style="list-style-type: none"> • Renal failure (check renal function, calcium studies) • Iron deficiency (check ferritin and transferrin – serum ferritin less than 50µg/L associated with severe symptoms) • Folic acid deficiency • Hypo- or hyperthyroidism • Diabetes • Pregnancy • Medications (including SSRIs, antipsychotics, antihistamines, dopamine blockers) • Other causes to be considered (myelopathy, neuropathy, lack of exercise)
<p>3) Address mimics/underlying causes</p> <ul style="list-style-type: none"> • Always look for mimics (see note 2) and treat these first.
<p>4) Non-pharmacological treatment</p> <ul style="list-style-type: none"> • Consider non-drug based measures first: • Sleep hygiene • Reduce alcohol and caffeine • Stop smoking • Pneumatic compression stockings • Massage and acupuncture
<p>5) Pharmacological treatment in patients with symptoms that significantly impair quality of life, sleep or daytime functioning Treatment is challenging due to augmentation effect – rebound of symptoms after initial good response. If augmentation occurs, seek specialist advice. First line treatment – ropinirole (due to cost and lower augmentation effect). Second line treatment – rotigotine patch has some evidence of long term efficacy or pramipexole (but greater augmentation effect). Other treatments (unlicensed use):</p> <ul style="list-style-type: none"> • Benzodiazepines (useful for mild to moderate symptoms; improve sleep but perception of symptoms unchanged; side effects and addiction potential; short-acting – useful if insomnia main symptom; intermediate-acting – useful if RLS wakens patient) • Anticonvulsants – gabapentin (useful in RLS with neuropathic pain; short half life requiring frequent dosing), pregabalin (limited evidence), carbamazepine (poorly tolerated) • Levodopa (effective but risk of augmentation means not favoured)
<p>6) Refer if symptoms remain troublesome Consider referral to the Movement disorders (or sleep clinic) if:</p> <ul style="list-style-type: none"> • There is doubt about the diagnosis • The patient has severe symptoms that are refractory to treatment • Other sleep disorders are present • Augmentation to levodopa or a dopamine agonist has developed <p>Discuss with Renal specialist before starting any treatment for RLS in patients with CKD stage 4 or 5.</p>

References:

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 Aurora RN et al. The treatment of restless legs syndrome and periodic limb movement disorder in adults – an update for 2012: practice parameters with an evidence-based systematic review and meta-analyses. *Sleep* (2012) 35 (8): 1039-1062 Accessed from: <http://www.aasmnet.org/store/product.aspx?pid=849>