Neuropathy

Uremic neuropathy is a mixed motor and sensory polyneuropathy that is distal and symmetrical.\(^1\) The neuropathy was common years ago due to a thiamine deficiency, since the vitamin is well dialyzed. Since the routine of replacing water soluble vitamins in dialysis patients this is rarely a cause for the neuropathy.\(^2\) Currently the condition is attributed to one or more toxins retained in uremia and not adequately removed by dialysis.\(^3\)

**TREATMENT PROTOCOL GUIDELINES**

1. Ensure the patient is adequately dialyzed with a kt/v of at least 1.4 with a high flux membrane to ensure good middle molecule clearance.\(^4\)

2. Ensure the patient is not thiamine deficient

3. Amitriptyline 25-200 mg/day \(^5\)

4. Gabapentin - starting dose 100 mg qod. Titrato to maximum 100-300 mg tid \(^6\)

5. Carbamzepine - starting dose 100 bid. Gradually increase in increments of 100 mg bid to maximum of 400-800 daily \(^7\)

**References**


