Measurement of Postural Blood Pressures in PD clinic

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Background
Orthostatic hypotension....

► Affects >50% in some hospital cohorts of PD patients\textsuperscript{2,3}
► Is associated with postural sway in PD patients\textsuperscript{2}
► Is associated with cognitive decline in PD patients\textsuperscript{4}
► Affects 47% of community dwelling patients with PD\textsuperscript{1}
► Is associated with falls in the non PD population\textsuperscript{5,6}
► Has increased incidence in fallers with PD\textsuperscript{3}
► Is defined as a drop in blood pressure on going from supine to standing of > 20mmHg systolic or > 10mmHg diastolic\textsuperscript{14}
► Has no definite standard regarding assessment (SIGN/NICE)
► Has modest evidence for treatment options\textsuperscript{8,9,10}
Audit

- PD nurse clinic
- 3 months March- May 2012
- Population served 65,000
- ? Prevalence PD (27.4/10,000) 180
- 28 patients attended
- 21 Notes reviewed (75%)
- 2 years of RGH PD clinic/neuro clinic notes reviewed
Demographic

- Age 45-83 (mean 69.5)
- 9 female 12 male
- Duration PD 7 months-19 years (mean 6.5 years)
- 21 levodopa
- 3 MAOB
- 8 agonist
- 1DBS
Measurement of OH

Assessment
► 10 (47%) reported falls
► 3 (14%) reported syncope/presyncope
► 4 (19%) L+S BP check within study time frame
► 4 (19%) confirmed OH, one from elsewhere
► 3 (30%) fallers had L+S BP check, 2 had OH
► 1 (33%) patient with syncope/presyncope had L+S BP check, not OH

Treatment
► 0 fludrocortisone
► 3 (14%) domperidone- other reasons
► 1 (5%) wearing compression stockings for OH
Conclusions

► OH not assessed routinely in this PD nurse/neuro clinic
► OH was only assessed in 1/3 of symptomatic patients

Recommendations

► Assessment of symptoms/falls should be made
► If falls/syncope or presyncope present patients should be assessed for OH
► Use of documentation from PD UK
References


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11. NICE CG 35 Parkinson’s Disease: Diagnosis and Management in Primary and Secondary Care (June 2006).


13. SIGN guideline 113 Diagnosis and pharmacological management of Parkinson’s disease A national clinical guideline (January 2010).