Table 5 – Characteristics of studies comparing pharmacotherapy vs placebo

|  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- |
| **Author(s), Year** | **Population** | **Trial Design (N)** | **Experimental Medication** | **Control Medication** | **Dose**  **(Experimental arm)** | **Mean difference\* (SD) (mmHg) Experimental arm** | **Mean Difference (SD) (mmHg) Placebo** |
| Jankovic 1993 (17) | Orthostatic hypotension due to autonomic failure | Double Blind RCT, results measured at 1 hour (N=97) | Midodrine | Placebo | 2.5mg | 9 (3) | 3 (4) |
| 5mg | 4 (3) |
| 10mg | 22 (4) |
| Kaufmann 2014 (41) | Symptomatic nOH due to PD, PAF, MSA, nondiabetic autonomic neuropathy, or dopamine-β-hydroxylase deficiency | Double blind RCT, results measured at 3 hours (N=162) | Droxidopa | Placebo | 100-600mg TDS | 11.2 (22.9) | 3.9 (16.3) |
| Okamoto 2012 (13) | Patients with severe peripheral autonomic failure | Single blind RCT with cross over, results measured at 1 hour (N=12) | Yohimbine/ atomoxetine | Placebo | Atomoxetine 18mg | 8 (16) | 1 (23) |
| Yohimbine 5.4mg | 9 (22) |
| Combined 18/5.4mg | 28 (29) |
| Okamoto 2019 (14) | Patients with severe neurogenic orthostatic hypotension | Single blind RCT with cross over, results measured at 1 hour (N=10) | Atomoxetine/ pyridostigmine bromide | Placebo | Atomoxetine 18mg | 14 (6) | -2 (4) |
| Pyridostigmine 60mg | -1 (5) |
| Combined 18/60mg | 20 (9) |
| Singer 2006 (26) | Patients with neurogenic OH | Double Blind RCT with cross over (N=58) | Pyridostigmine +/- midodrine | Placebo | At 1 hour |  | 8 (22.1) |
| 60mg | 8 (25.1) |
|  |  |
| 60mg +2.5mg | 8 (26.2) |
|  |  |
| 60mg +5mg | 17 (26.3) |
|  |  |  |
| At 3 hours |  | 18 (23.2) |
| 60mg | 17 (26.7) |
|  |  |
| 60mg +2.5mg | 20 (27.9) |
|  |  |
| 60mg +5mg | 27 (26.9) |
| Wright 1998 (21) | Patients with nOH | Double blind cross over RCT, results measured at 1 hour (N=25) | Midodrine | Placebo | Midodrine 2.5mg | 7.4 (6) | 4.5 (5.4) |
| Midodrine 10mg | 34.2 (6.9) |
| Midodrine 20mg | 43 (7.7) |

\*Mean difference is calculated by: **Mean SBP after dose - Mean SBP Before dose**