

Supplementary Table 1. Improvement in questionnaire and bladder diary parameters between baseline and week 12 overall (N=74), in patients with idiopathic (N=25 (33.8%)) and neurogenic (N=49 (66.2%)) OAB, multiple sclerosis (N=19, 25.67%) and other neurological conditions (N=30, 40.54%) undergoing PTNS

Variable	Idiopathic OAB	Neurogenic OAB	MS	Other Neurological conditions	P-value
ICIQ-OAB total difference; median (IQR)	-5.5 (-19, 3.5)	-4 (-9.3, 2.5)	-7 (-11, -1)	-1 (-7.5, 6)	0.19
ICIQ-LUTSqol total difference; median (IQR)	-16 (-62, 18)	-34 (-53, 4.8)	-57 (-79, 3)	-11 (-27, 6.5)	0.35
24h bladder freq Difference (BD); median (IQR)	-1.7 (-3.7, 0.3)	-0.85 (-2.8, 0.4)	-1.7 (-3, 0)	0 (-2.5, 0.7)	0.50
Mean bladder urge difference (BD); median (IQR)	-0.3 (-1.1, 0.1)	0 (-0.4, 0.2)	0 (-0.5, 0.1)	0 (-0.3, 0.3)	0.35
Mean no. leakages difference; median (IQR)	-0.7 (-3, 0)	-0.2 (-1, 0.2)	0 (-0.7, 0)	-0.3 (-1.3, 0.3)	0.36
Bladder leakage severity difference; median (IQR)	0 (-0.2, 0)	-0.2 (-5.5, 0.1)	-0.4 (-0.8, 0)	0 (-0.3, 0.1)	0.09

BD: Bladder diary, IQR: Inter-quartile range, ICIQ: International Consultation on Incontinence Questionnaire, LUTS: Lower urinary tract symptoms, qol- Quality of life, OAB: Overactive bladder, PTNS: percutaneous tibial nerve stimulation

Supplementary Table 2. Absolute changes in key parameters: Absolute values at baseline and week 12 and p-values

Variable	Mean baseline level (SD)	Mean week 12 level (SD)	P-value
OAB symptoms (ICIQ-OAB)	40 (9.7)	34.9 (13.2)	0.003
Quality of life (ICIQ-LUTSqoL)	188.5 (47.9)	166.1 (58.9)	0.001
24h frequency (BD)	11.6 (3.8)	10.3 (3.7)	0.001
Urge (BD)	2.5 (1.0)	2.3 (1.0)	0.16
Number of incontinent episodes (BD)	3.3 (4.6)	2.9 (4.5)	0.16
Incontinence severity (BD)	0.9 (0.8)	0.7 (0.8)	0.004

BD: Bladder Diary