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- Study Design and Participants Three phase 3 trials and 1 phase 4 trial (N and NCT01945489) enrolled OAB patients over a 3-day period and ≥8 micturitions per an anticholinergic. Patients with a predomi CIC was initiated if post-void readiual urine Three phase 3 trials and 1 phase 4 trial (NCT00910520, NCT00910845, NCT01767519, and NCT01945489) enrolled OAB patients who had experienced ≥3 urgency UI episodes over a 3-day period and ≥8 micturitions per day. All patients were inadequately managed by an anticholinergic. Patients with a predominance of stress UI were excluded
 - CIC was initiated if post-void residual urine volume was
 - ≥200 and <350 mL and the patient had associated symptoms assessed by the investigator to require CIC
 - − ≥350 mL regardless of symptoms
 - In each study, patients could be retreated as needed or requested if they met the predefined criteria of ≥2 urgency UI episodes and ≤1 urgency UI–free day in a 3-day bladder diary, and ≥12 weeks had passed since the prior treatment administration

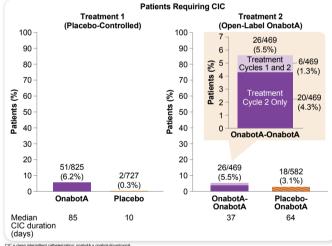
Table 1. Baseline Demographics and Disease Characteristics (ITT Population)

Characteristic	OnabotA 100U (n=831)	Placebo (n=733)
Age, y	60.8 ± 13.7	60.3 ± 13.2
Female, n (%)	733 (88.2)	637 (86.9)
Duration of OAB, y	6.7 ± 7.5	6.7 ± 7.8
UI episodes/day	5.4 ± 3.5	5.5 ± 3.6
Micturition episodes/day	11.5 ± 3.8	11.3 ± 3.3
Nocturia episodes/night	2.2 ± 1.4	2.0 ± 1.4
Urgency UI episodes/day	4.8 ± 3.3	4.8 ± 3.3
KHQ SL	54.1 ± 32.6	50.3 ± 32.9
KHQ RL	61.0 ± 28.8	58.7 ± 29.6
PVR urine volume, mL	22.1 ± 27.8	19.9 ± 26.6

Incidence and Duration of CIC

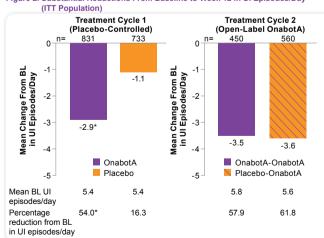
 The great majority of patients did not require CIC in the 12 weeks after the initial treatment er retreatme





Efficacy and QOL Outcomes

Figure 2, Substantial Reductions From Baseline to Week 12 in UI Episodes/Day



P<.001 vs placebo. n values denote the

- Randomized, placebo-controlled trials with onabotulinumtoxinA have demonstrated significant improvements in urinary incontinence (UI) and quality of life (QOL) in patients with idiopathic overactive bladder (OAB) who were inadequately managed by an anticholinergic¹⁻³
- Incomplete bladder emptying resulting in the need for clean intermittent catheterization (CIC) is known to occur in OAB patients who have been treated with onabotulinumtoxinA · However, the risk of CIC in patients undergoing repeat treatment administrations requires
- further characterization
- Objective

NTRODUCTION

CONCLUSIONS

In this large, pooled population of patients with OAB, the incidence of CIC was low with onabotulinumtoxinA 100U

No increased risk of CIC was seen with onabotulinumtoxinA retreatment, and a limited number of patients with CIC after the initial treatment required CIC again following

Improvements in urinary symptoms and QOL were sustained with onabotulinumtoxinA 100U between initial treatment and retreatment, and no unexpected safety signals were observed

Assessments at week 12 after treatments 1 and 2 included incidence and duration of CIC, mean and percentage change in UI episodes/day, and proportions of patients with ≥50% and 100% reduction in UI episodes/day and a positive response ("improvement" or "great improvement" in their urinary condition) on the Treatment Benefit Scale (TBS). Mean changes from baseline in King's Health Questionnaire (KHQ) Social and Role Limitations domain scores were also assessed, and adverse events (AEs) were recorded

Statistical Methods

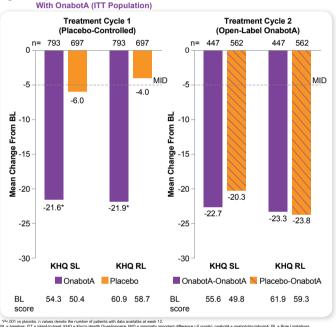
, Porto, Portugal; ³Michigan Institute of Urology, West E don, UK; ⁶University of Toronto, Toronto, ON, Canada:

- The incidence of AEs, including use and duration of CIC, was analyzed in the safety population (all patients who received treatment), and efficacy and QOL outcomes were analyzed in the intent-to-treat population (all randomized patients)
- Scores on the KHQ ranged from 0-100, with lower scores (and negative change over time) indicating better QOL

 Following the first treatment, significantly more patients who received onabotulinumtoxinA vs placebo achieved 100% (29.0% vs 8.5%) and ≥50% (64.4% vs 32.3%) reductions in UI episodes/day at 12 weeks (P<.001 vs placebo for both)

- Following the second treatment, similar proportions of patients receiving onabotulinumtoxinA retreatment or a first treatment with onabotulinumtoxinA achieved complete continence (27.1% and 32.6%, respectively) or showed ≥50% reduction in UI episodes/day (63.5% and 71.0%) at 12 weeks

Figure 3. Improvements in KHQ Domain Scores Were Greater Than 4 Times the MID



 The majority of patients receiving onabotulinumtoxinA (55.2%) vs placebo (26.5%) reported improvement/great improvement in their urinary symptoms on the TBS at 12 weeks following treatment 1 (*P*<.001 vs placebo)

Improvements on the TBS seen at 12 weeks following the second treatment were consistent with treatment 1 in patients who were retreated with onabotulinumtoxinA (59.3%) and those receiving onabotulinumtoxinA for the first time (62.4%)

Safety and Tolerability

Table 2. AEs in the First 12 Weeks After Treatments 1 and 2 (Safety Population)

AEs, %	Treatment 1 (Placebo-Controlled)		Treatment 2 (Open-Label OnabotA)	
	OnabotA (n=825)	Placebo (n=727)	OnabotA- OnabotA (n=469)	Placebo- OnabotA (n=582)
Overall AEs	55.6	42.1	49.9	51.4
AEs ≥3%				
UTI	19.4	6.6	17.7	18.4
Dysuria	7.5	5.6	5.1	5.2
Bacteriuria	3.8	2.1	4.7	3.1
Residual urine volume ^a	3.0	0.3	2.3	3.4
Urinary retention ^b	5.9	0.3	3.4	5.3

by symptoms. event: CIC = d nid regidual: LITL = ur

- OSURES

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