UNITED STATES SECURITIES AND EXCHANGE COMMISSION Washington, D.C. 20549

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FORM 8-K

CURRENT REPORT Pursuant to Section 13 or 15(d) of the Securities Exchange Act of 1934

Date of Report (Date of earliest event reported): November 13, 2017

AVADEL PHARMACEUTICALS PLC

(Exact name of registrant as specified in its charter)

001-37977

Ireland (State or Other Jurisdiction of Incorporation)

(Commission File Number)

98-1341933 (I.R.S. Employer Identification No.)

Block 10-1 Blanchardstown Corporate Park, Ballycoolin Dublin 15, Ireland (Address of Principal Executive Offices)

Not Applicable (Zip Code)

Registrant's telephone number, including area code: +353 1 485 1200

Check the appropriate box below if the Form 8-K filing is intended to simultaneously satisfy the filing obligation of the registrant under any of the following provisions:

o Written communications pursuant to Rule 425 under the Securities Act (17 CFR 230.425)

o Soliciting material pursuant to Rule 14a-12 under the Exchange Act (17 CFR 240.14a-12)

o Pre-commencement communications pursuant to Rule 14d-2(b) under the Exchange Act (17 CFR 240.14d-2(b))

o Pre-commencement communications pursuant to Rule 13e-4(c) under the Exchange Act (17 CFR 240.13e-4(c))

Indicate by check mark whether the registrant is an emerging growth company as defined in Rule 405 of the Securities Act of 1933 (§230.405 of this chapter) or Rule 12b-2 of the Securities Exchange Act of 1934 (§240.12b-2 of this chapter).

Emerging growth company o

If an emerging growth company, indicate by check mark if the registrant has elected not to use the extended transition period for complying with any new or revised financial accounting standards provided pursuant to Section 13(a) of the Exchange Act. o

Item 7.01 Regulation FD Disclosure.

On November 13, 2017, the Company posted to its website a set of presentation materials in conjunction with its investor and analyst update meeting for NoctivaTM. A copy of this presentation is attached hereto as Exhibit 99.1.

The information responsive to this Item 7.01 of this Form 8-K, including Exhibit 99.1, shall not be deemed "filed" for purposes of Section 18 of the Exchange Act or otherwise subject to the liabilities of that section, nor shall it be deemed incorporated by reference in any filing under the Securities Act or the Exchange Act, except as may be expressly set forth by specific reference in such a filing.

Item 9.01 Financial Statements and Exhibits.

(d) Exhibits

99.1 Presentation materials dated November 13, 2017*

* This information shall be deemed to be "furnished" and not filed herewith.

SIGNATURES

Pursuant to the requirements of the Securities Exchange Act of 1934, the registrant has duly caused this report to be signed on its behalf by the undersigned hereunto duly authorized.

AVADEL PHARMACEUTICALS PLC

By: /s/ Phillandas T. Thompson

Phillandas T. Thompson

Senior Vice President, General Counsel and Corporate Secretary

Date: November 13, 2017

Exhibit Index

99.1 Presentation materials dated November 13, 2017.*

►Avadel[®]

Noctiva[™] Analyst and Investor Presentation

Monday, November 13, 201

Safe Harbor

This presentation may include forward-looking statements within the meaning of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934. The words "will," "may," "believe," "expect," "anticipate," "estimate," "project" and similar expressions, and the negatives thereof, identify forward-looking statements, each of which speaks only as of the date the statement is made. Although we believe that our forward-looking statements are based on reasonable assumptions within the bounds of our knowledge of our business and operations, our business is subject to significant risks and as a result there can be no assurance that actual results of our research, development and commercialization activities and our results of operations will not differ materially from the results contemplated in such forward-looking statements. These risks include: (i) risks relating to our license agreement with Serenity Pharmaceuticals, LLC including that our internal analyses may overstate the market opportunity in the United States for the drug desmopressin acetate (the "Drug") or we may not effectively exploit such market opportunity, that significant safety or drug interaction problems could arise with respect to the Drug, that we may not successfully increase awareness of nocturia and the potential benefits of the Drug, and that the need for management to focus attention on the development and commercialization of the Drug could cause our ongoing business operations to suffer; and (ii) the other risks, uncertainties and contingencies described in the Company's filings with the U.S. Securities and Exchange Commission, including our annual report on Form 10-K for the year ended December 31, 2016, in particular under the captions "Forward-Looking Statements" and "Risk Factors," including without limitation: our dependence on a small number of products and customers for the majority of our revenues; the possibility that our Bloxiverz®, Vazculep® and Akovaz® products, which are not patent protected, could face substantial competition resulting in a loss of market share or forcing us to reduce the prices we charge for those products; the possibility that we could fail to successfully complete the research and development for pipeline products we are evaluating for potential application to the FDA pursuant to our "unapproved-to-approved" strategy, or that competitors could complete the development of such products and apply for FDA approval of such products before us; the possibility that our products may not reach the commercial market or gain market acceptance; our need to invest substantial sums in research and development in order to remain competitive; our dependence on certain single providers for development of several of our drug delivery platforms and products; our dependence on a limited number of suppliers to manufacture our products and to deliver certain raw materials used in our products; the possibility that our competitors may develop and market technologies or products that are more effective or safer than ours, or obtain regulatory approval and market such technologies or products before we do; the challenges in protecting the intellectual property underlying our drug delivery platforms and other products; and our dependence on key personnel to execute our business plan. Except as may be required by law, we disclaim any obligation to publicly update any forward-looking statements to reflect events after the date of this presentation.

Avadel

Avadel: a new chapter

- Closing our history of solely focusing on drug delivery
- Transitioning from dependence on partners to self-funded innovation
- Welcoming long-term and sustainable growth
- Committing to building shareholder value through diversified specialty product offerings

• Welcome and thanks to Avadel's senior team members here today:

Avadel

- Greg Divis, EVP & CCO
- Mike Kanan, CFO
- Phil Thompson, GC
- Welcome to presenters:
 - Alan J. Wein MD, PhD (Hon)
 - Roger Dmochowski, MD, MMHC, FACS
 - Samuel Herschkowtiz, MD, CEO, Serenity
 - Seymour Fein, MD, CMO, Serenity
 - Steve A. Kaplan, MD
 - Greg Divis, EVP & CCO

Agenda



- o Nocturia market overview
 - Condition and its consequences; Alan Wein, MD, PhD(Hon) FACS
 - Current treatment options; Roger Dmochowski, MD, MMHC, FACS
- o Noctiva overview
 - Innovation and the invention; Samuel Herschkowitz, MD, Chief Executive Officer, Serenity Pharmaceuticals, LLC
 - Clinical overview; Seymour Fein, MD, Chief Medical Officer, Serenity Pharmaceuticals, LLC
 - Clinician's perspective; Steven Kaplan, MD
 - Commercial update; Greg Divis, Executive Vice President and Chief Commercial Officer, Avadel
- o Panel Q&A
- o Closing remarks and company update; Mike Anderson, Avadel



Nocturia, the Condition and Its Consequences

Alan J. Wein, MD, PhD(Hon), FACS

Founders Professor and Emeritus Chief of Urology Director, Residency Program in Urology University of Pennsylvania Perelman School of Medicine PENN Medicine

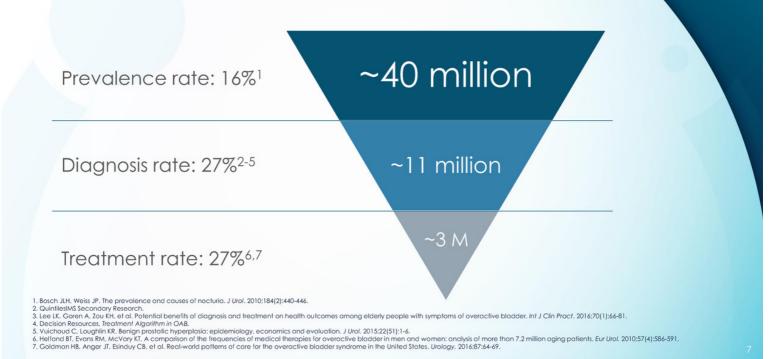
Nocturia: waking 2 or more times per night to urinate

Nocturia is	 Highly prevalent - impacts over 40 million Americans¹ Under-recognized as a distinct condition Associated with significant sleep disruption Increasingly bothersome based on number of voids per night Linked to health complications and a negative impact on quality of life
Nocturia is <u>NOT</u>	 Simply due to OAB or BPH Merely a normal part of aging A disease that only affects the elderly Something that should be ignored

Noctiva" (desmopressin acetate) Nasal Spray

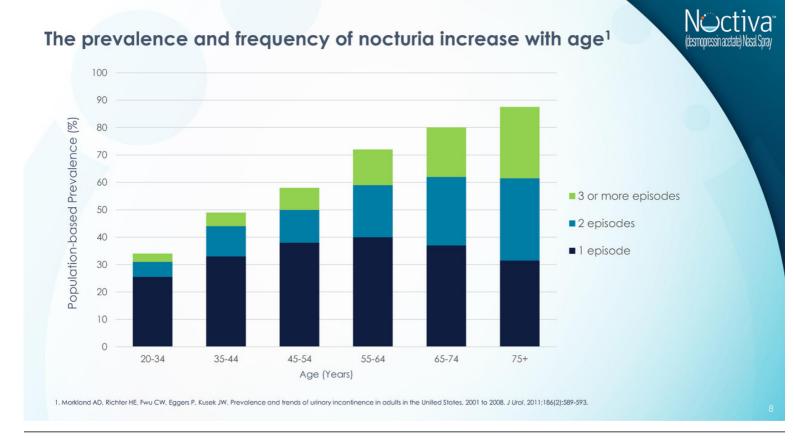
1. Bosch JLH, Weiss JP. The prevalence and causes of nocturia. J Urol. 2010;184(2):440-446.

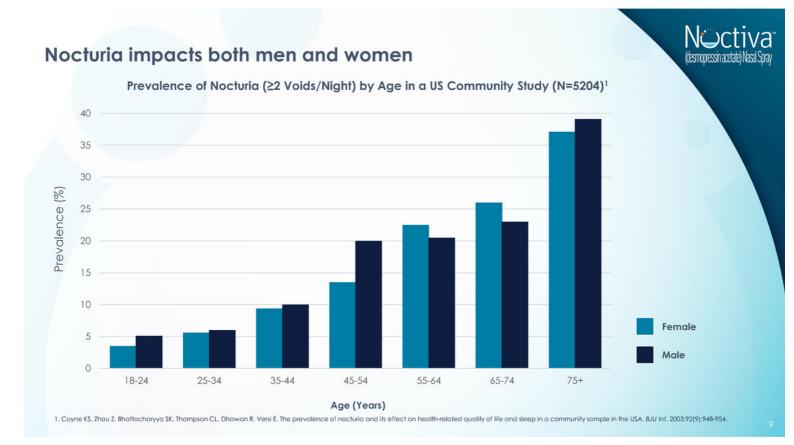
Prevalence, diagnosis, and treatment rates of nocturia¹⁻⁷

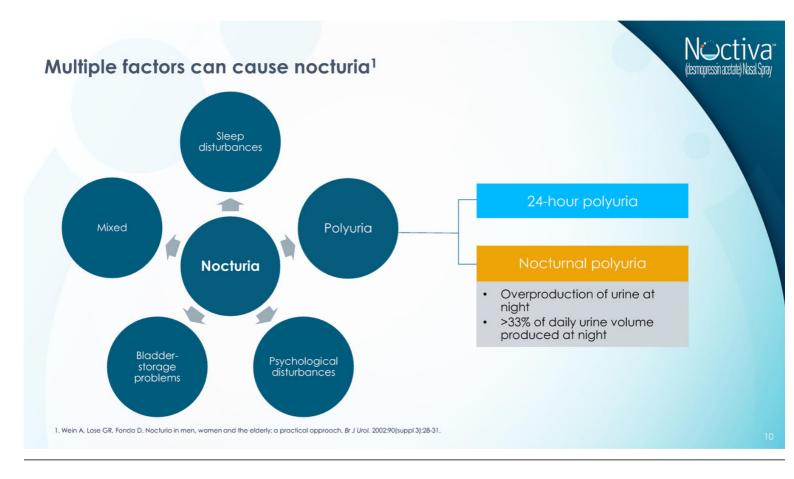


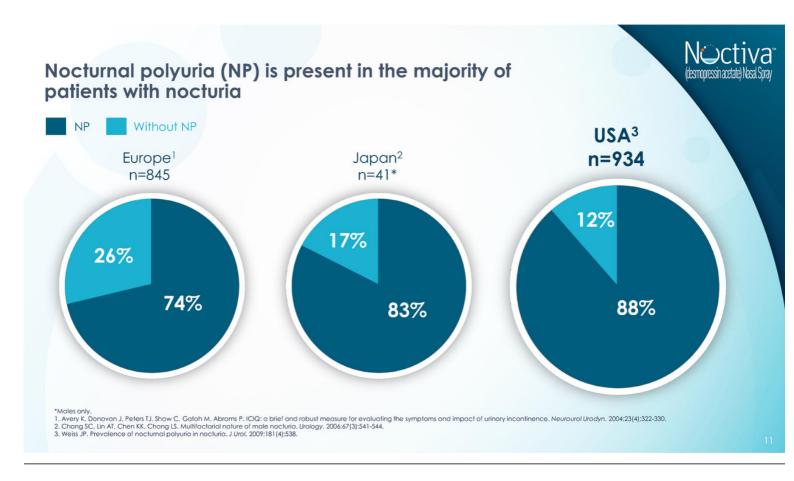
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(desmopressin acetate) Nasa

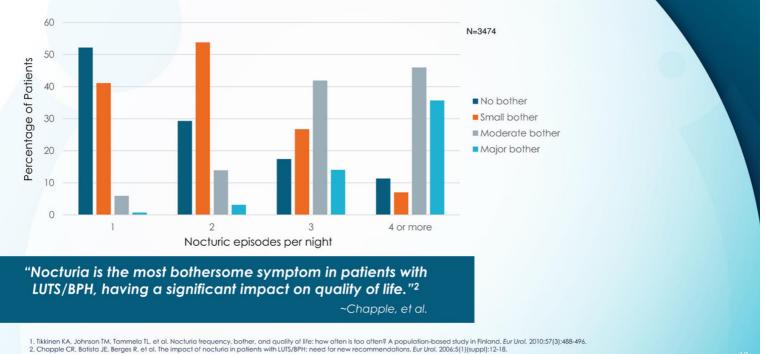








Degree of bother increases with number of episodes per night¹



NOC

(desmopressin acetate) Nasal Spray

The	first few	hours of	sleep	are the	most	important ¹⁻³
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"A single episode of nocturia had greater adverse effects if this occurred in the first 4 hours of sleep (where slow wave restorative sleep occurs) as opposed to the second 4 hours."¹

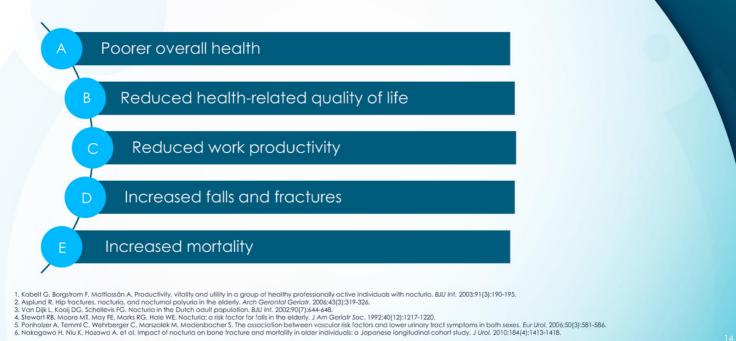
~Van Kerrebroeck, et al.

 Deep, slow-wave, restorative sleep occurs during the first hours, while less restorative, lighter sleep predominates later

 Waking during the first 3 to 4 hours is more likely to leave a person groggy/tired the next day

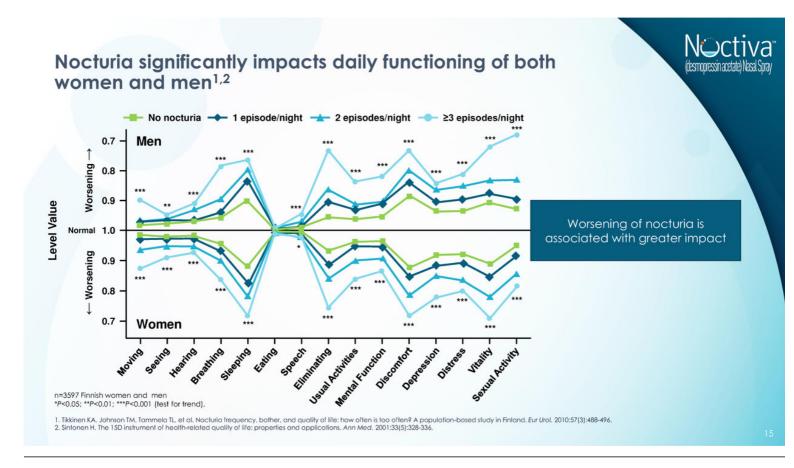
Kerrebroeck PV, Drake M, Rees J. Nocturia: what do we need to know in 2017? Identify the cause and tailoring the treatment. Eur Med J Urol. 2017;5(1):32-37.
 Stanley N. The underestimated impact of nocturia on quality of life. Eur Urol. 2005;4(7):17-19.
 Akerstedt T, Nilsson PM. Sleep as restitution: an introduction. J Intern Med. 2003;254(1):6-12.

Nocturia and sleep disruption have far-reaching health effects¹⁻⁶

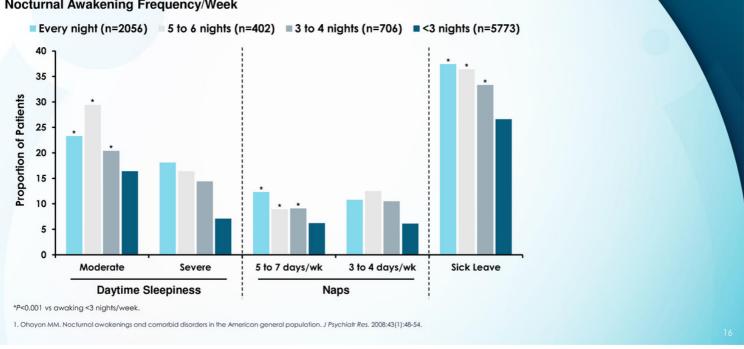


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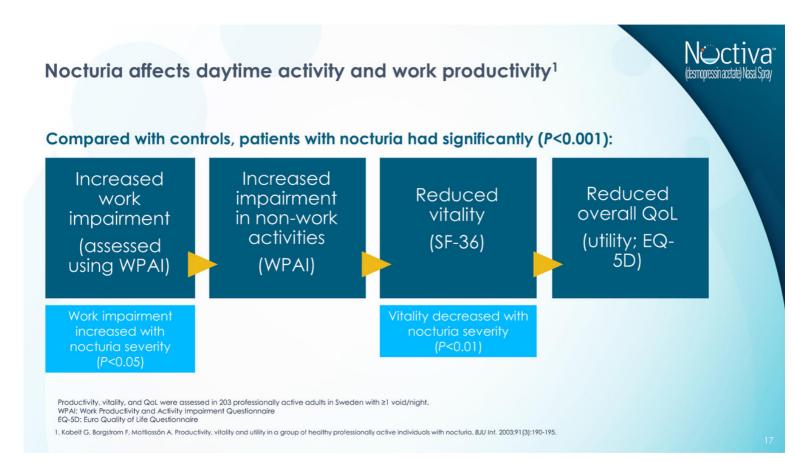


Nocturia impacts daytime sleepiness, naps, and sick leave¹



(desmopressin acetate)

Nocturnal Awakening Frequency/Week



Nocturia: falls and hip fractures^{1,2,3}

- o Nocturia increases risk of a fall 25% over 3 years
- Odds Ratio (OR) for a fall increases from 1.84 (Nx2) to 2.15 (Nx3)

(desmooressin acetat

- OR for hip fracture
 - 1.36 in older men, $N \ge 2$
 - 1.8 in older men, $N \ge 3$

1. Stewart et al. J Am Ger Soc, 1992 2. Bliwise et al. Sleep Medicine, 2009 3. Temml et al. NeuroUrol Urodyn, 2009

Νť Nocturia is a strong predictor of mortality¹ (desmopressin acetate) Nasal. US Data NHANES III Men Women 1 1 .9 .9 Survival Probability Survival Probability .6 Nocturia <2 Nocturia 2+ Nocturia <2 Nocturia 2+ .5 .5 144 132 144 0 12 24 36 48 60 72 84 96 108 120 132 0 12 24 36 48 60 72 84 96 108 120 Months Months ≥2 voids/night are associated with worse survival in a population-based sample of 7455 men and 8533 women

1. Kupelian V, Fitzgerald MP, Kaptan SA, Norgoard JP, Chiu GR, Rosen RC. Association of nocturia and mortality: results from the Third National Health and Nutrition Examination Survey. J Urol. 2011;185(2):571-577.



Nocturia, Current Treatment

Roger Dmochowski, MD, MMHC, FACS

Professor of Urology and Gynecology Vanderbilt University Medical Center



"Improvements in nocturia contribute considerably to overall improvements in health-related quality of life."¹

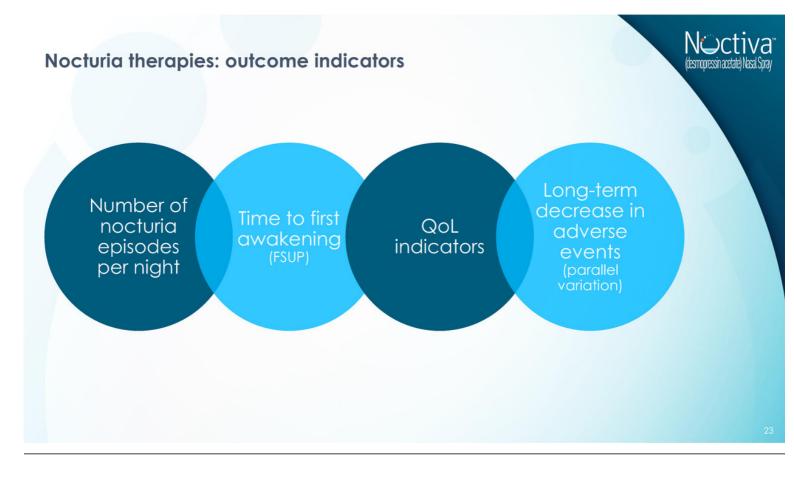
~Van Dijk, et al.

1. Van Dijk MM, Debruyne WH, Rosette DL, Michel MC. The role of nocluria in the quality of life of men with lower urinary tract symptoms. BJU Int. 2010;105(8);1141-114

Simple logic to decrease nocturia

Decrease bladder activation on motor and/or sensory side of the micturition cycle (OAB, BPH, Combination) Decrease significant residual urine volume and thereby improve nocturnal storage capacity (BPH)

Decrease nocturnal urine production Noctiva" (desmopressin acetate) Nasal Spray



Nocturia treatment

Behavior/lifestyle modifications

- Preemptive voiding
- Nocturnal and late afternoon dehydration
- Dietary restrictions (eg, caffeine, alcohol)
- Medication timing (late afternoon diuretic)
- Compression stockings
- Afternoon and evening leg elevation

Pharmacologic therapies

Target the most prominent symptoms or set of symptoms first

- Overactive bladder
- Prostatic enlargement/obstruction
- Nocturnal polyuria

(desmopressin acetate) Nasal Spray

But current treatment options do not effectively treat nocturia

"Medications to treat LUTS in men...were not significantly better than placebo in short-term use."¹

EAU Guidelines Committee

"Data on OAB medications generally had a female predominant population and were not significantly better than placebo in short-term use. It is an assumption that this would also apply in male only populations..."¹

EAU Guidelines Committee

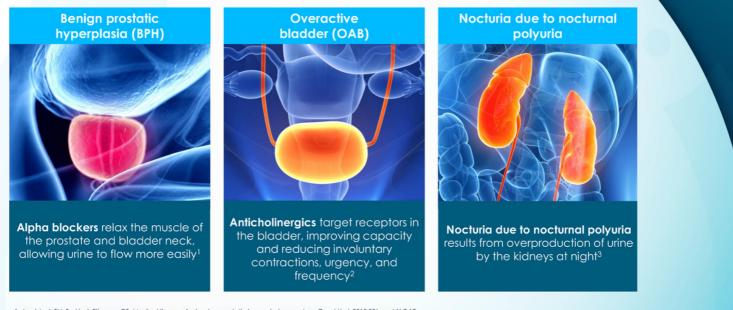
...little response has been seen from anticholinergic agents and alpha-blockers."²

Drake, et al.

1. Sakolis VI, Karavitakis M, Bedretdinova D, et al. Medical treatment of nocturia in men with lower urinary tract symptoms: systematic review by the European Association of Urology Guidelines Panel for Male Lower Urinary Tract Symptoms. Eur Ural. 2017;72[5]:757-769. 2. Kerrebroeck PV, Drake M, Rees J. Nocturia: what do we need to know in 2017? Identify the cause and tailoring the treatment. Eur Med J Ural. 2017;5(1):32-37.

(desmopressin acetate) Nasa

OAB and BPH therapies do not address the true source of nocturia



Asseldank BV, Barkin J, Ellerman DS. Medical therapy for benign prostatic hyperplasia: a review. Can J Urol. 2015;22(suppl 1):7-17.
 Jayarajan J, Radomski SB. Pharmacotherapy of overactive bladder in adults: a review of efficacy. tolerability. and quality of life. Res Rep Urol. 2013;6:1-16.
 Fine ND, Weiss JP, Wein AJ. Nocturia: consequences, classification, and management. F1000Res. 2017;6:1627.

Nocti

(desmopressin acetate) Nasal Spray

Many patients are not satisfied with current treatment options¹⁻⁴

BPH/OAB therapies have limited effect on nocturia

Therapy	Reduction in voids vs placebo
Doxazosin + Finasteride ²	0.2 voids
Solifenacin ³	0.16 voids
Fesoterodine ⁴	0.14 voids
Oxybutynin ⁴	0.11 voids

Noctiva Quantitative Market Research Assessment Patient Final Report. April 16, 2014.
 Johnson TM, Jones K, Williford WO, Kutner MH, Issa MM, Lepor H. Changes in nocturia from medical treatment of benign prostatic hyperplasia: secondary analysis of the Department of Veterans Affairs Cooperative Study Trial. J Urol. 2003;170(1):145-148.
 Yamaguchi O, Marui E, Kakizaki H, Itoh N, Yakota T, Okada H. Randomized, double-blind, placebo- and propiverine-controlled trial of the once-daily antimuscarinic agent solifenacin in Japanese patients with overactive bladder. BJU Int. 2007;100(3):579-587.
 Buser N, Ivic S, Kessler IM, Kessels AG, Bachmann LM. Efficacy and adverse events of antimuscarinics for treating overactive bladder: network meta-analysis. Eur Urol. 2012;62(6):1040-1060.

Nocturia treatment considerations

- BPH and OAB therapies do not adequately address the underlying cause of nocturia in a majority of patients: nocturnal polyuria
- Improvement in nocturia is therefore often minimal with BPH/OAB therapies
- Antidiuretic therapy with desmopressin targets nocturnal polyuria and is endorsed with the highest level of recommendation by ICS and EAU^{1,2}

 Marshall SD, Raskolnikov D, Blanker MH, et al. Nocturia: current levels of evidence and recommendations from the International Consultation on Male Lower Urinary Tract Symptoms. Urology. 2015;85(6):1291-1299.
 Sokalis VI, Karavitakis M., Bedretatinova D, et al. Medical treatment of nocturia in men with lower urinary tract symptoms: systematic review by the European Association of Urology Guidelines Panel for male lower urinary tract symptoms. Eur Urol. 2017;72(5):757-769. (desmooressin acetate) Nasa

Desmopressin is effective for the treatment of nocturia¹

Study	Effective dose	Route of delivery	Clinical response in treatment arm (%)	Clinical response in placebo arm (%)	Incidence of hyponatremia (%)
Mattiasson 2002	0.1, 0.2, 0.4 mg	Oral	34	3	8
Lose 2003	0.1, 0.2, 0.4 mg	Oral	44	4	12
Lose 2004	0.1, 0.2, 0.4 mg	Oral	67	NA	14
Van Kerrebroeck 2007	0.1, 0.2, 0.4 mg	Oral	33	11	3
Rembratt 2003	0.2 mg	Oral	82	NA	5
Кио 2002	0.1 mg	Oral	66.7	NA	3
Wang 2011	0.1 mg	Oral	61.4	13.8	16

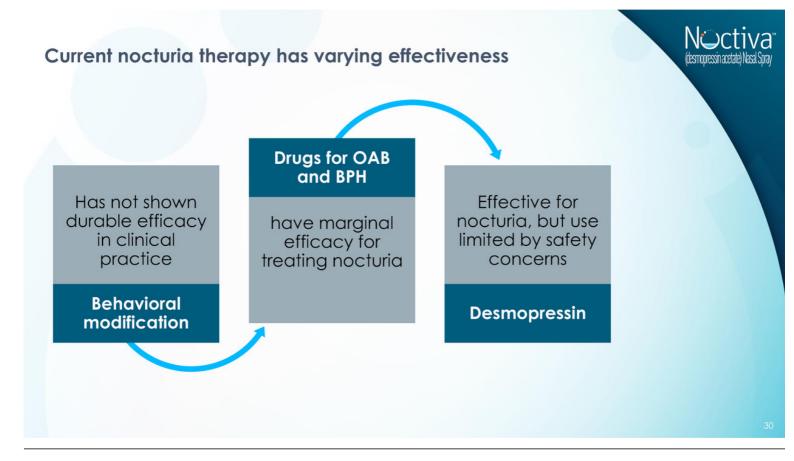
 Oral and sublingual formulations of desmopressin were associated with an increased risk of hyponatremia

 Desmopressin works at the source of nocturia by increasing urea reabsorption in the medullary collecting tubule

1. Friedman FM, Weiss JP. Desmopressin in the treatment of nocturia: clinical evidence and experience. Ther Adv Urol. 2013;5(6):310-317.

Νΰ

(desmopressin acetate)



Conclusions

- Nocturia is an important medical condition associated with significant morbidity
- Nocturia increases the risk of falls and is a strong predictor of mortality
- Nocturia disrupts normal sleep, causes daytime fatigue and loss of productivity, and impairs ability to perform daily activities
- Behavior modifications do little to address nocturia, and pharmacologic options are limited by efficacy and safety concerns

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Noctiva, the Invention

Samuel Herschkowtiz, MD Chief Executive Officer, Serenity Pharmaceuticals, LLC

Noctiva is not yet available for prescription.



The challenge:

To limit the duration of antidiuretic action of desmopressin to **4 to 6 hours** at night in order to achieve efficacy and improve the safety profile (minimize risk of hyponatremia)

33



The solution: Noctiva

Very Ic	ow dose of desmopressin ¹
BEp	ngineered to achieve highly consistent absorption from dose to dose and from patient to patient ¹
С	Pharmacokinetic coefficient of variation is comparable to subcutaneous administration ²
DP	atented permeation enhancer (CPD) results in higher bioavailability and rapid absorption,
T	esoning in peak blood levels within 2010 43 minutes-20
D Pre	atented permeation enhancer (CPD) results in higher bioavailability and rapid absorptic esulting in peak blood levels within 20 to 45 minutes ^{2.3}

Noctiva was designed specifically for the patient with nocturia*

Noctiva (desmocressin acetate) Nasal Suray

• The novel and patented Noctiva formulation produces:





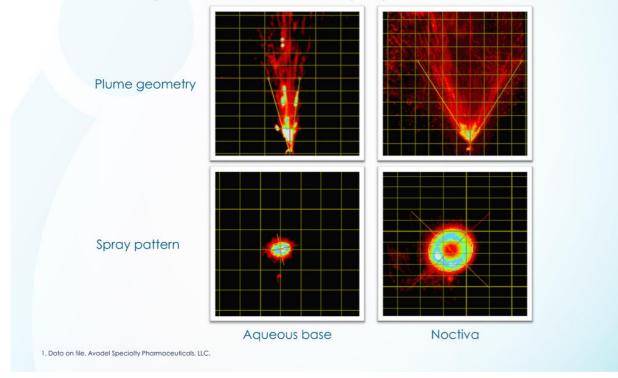
Unique spray pattern³ (centrifugal, donut-shaped droplet distribution, which deposits more drug on nasal turbinates)

These features optimize blood levels and duration of action, which minimize the incidence of hyponatremia

*Due to nocturnal polyuria in adults who awaken at least 2 times per night to void.

Cohn JA, Kowalik CG, Reynolds WS, et al. Desmopressin acetate nasal spray for adults with nocturia. Exp Rev Clin Pharmacol. 2017. doi:10.1080/17512433.2017.1394185.
 Nactiva [package insert]. Chesterfield, MO: Avadel Specially Pharmaceuticals, LLC: 2017.
 Data on file. Avadel Specialty Pharmaceuticals, LLC.

Noctiva vs aqueous-based nasal spray¹



Noctiva" (desmopressinacetate) Nasal Spray

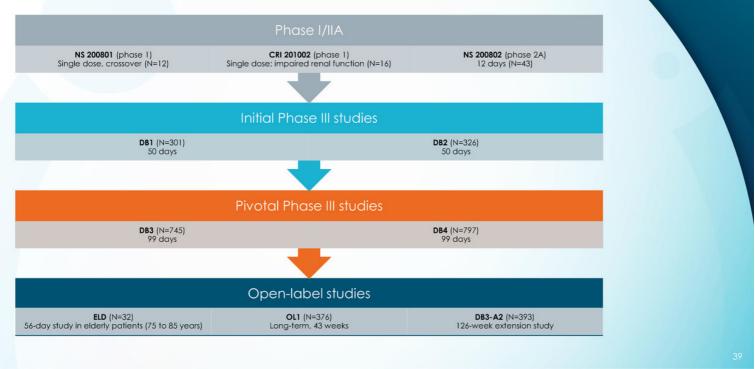


Overview of Clinical Data

Seymour Fein, MD Chief Medical Officer, Serenity Pharmaceuticals, LLC

Noctiva is not yet available for prescription.

Noctiva has been studied in clinical trials in over 2300 patients



Noctiva

(desmopressin acetate) Nasal Spray



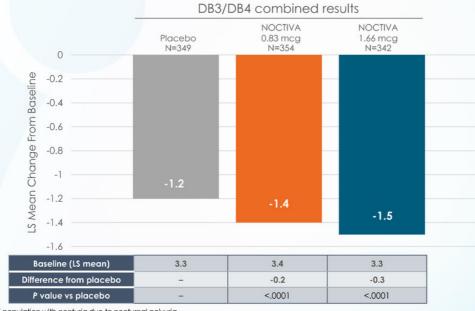
Overview of Pivotal Clinical Study Data

2 Phase III randomized, double-blind, placebo-controlled, parallel-group, multicenter, clinical studies (DB3 and DB4)

Noctiva is not yet available for prescription.

Change in mean number of nocturic episodes per night¹

Co-primary Efficacy Endpoint



ITT population with nocturia due to nocturnal polyuria.

1. Susman D, Kaminetsky J, Efros M, et al. SER120 nosal spray is effective for the treatment of nocturia in patients regardless of etiology: A pooled analysis of two randomized, placebo-controlled phase 3 trials. Presented at: Society of Uradynamics, Female Pelvic Medicine & Uragenital Reconstruction (SUFU); February 28-March 4, 2017; Scottsdale, AZ.

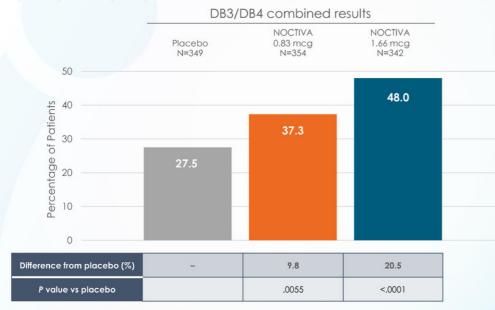
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(desmopressin acetate) Nasal Spray

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Percentage of patients achieving \geq 50% reduction in nocturic episodes¹

Co-primary Efficacy Endpoint



ITT population with nocturia due to nocturnal polyuria.

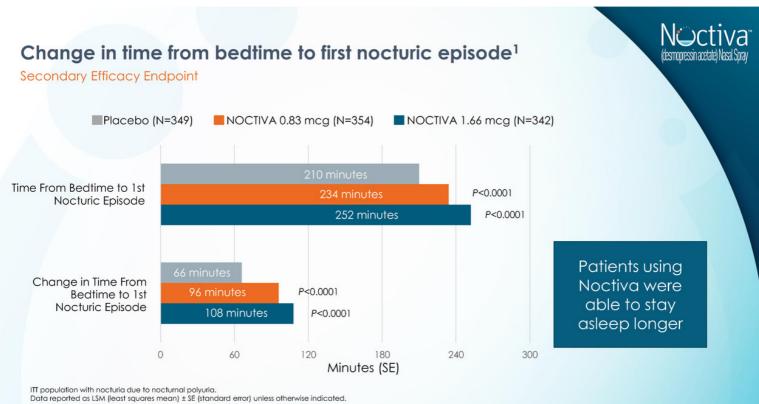
1. Sussman D, Kaminetsky J, Efros M, et al. SER120 nasal spray is effective for the treatment of nocturia in patients regardless of eliology: a pooled analysis of two randomized, placebo-controlled phase 3 trials. Presented at: Society of Uradynamics, Female Pelvic Medicine & Uragenital Reconstruction (SUFU); February 28-March 4, 2017; Scottsdale, AZ.

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(desmopressin acetate) Nasal Spray

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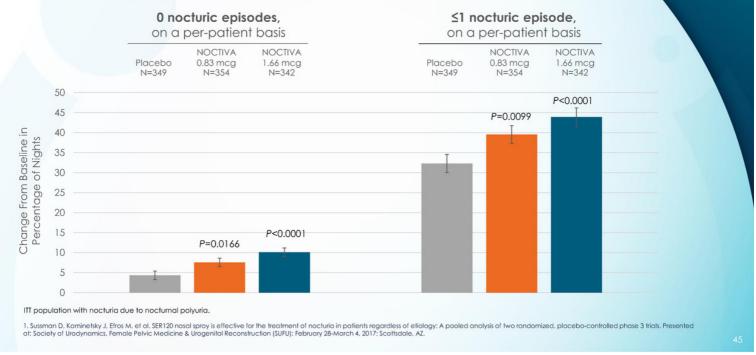
NOC Reduction in mean number of nocturic episodes per night by gender, age, and nocturia etiology¹ (desmopressin acetate) Nasal Spray Co-primary Efficacy Endpoint 1.66 mcg minus Placebo 0.83 mcg minus Placebo Overall Sex Male Female Age <65 years Noctiva was ≥65 years effective regardless Nocturia etiology of sex, age, or Nocturnal polyuria etiology No nocturnal polyuria OAB by history BPH by history -0.4 -1.0 -0.8 -0.2 0.0 0.2 0.4 0.6 0.8 1.0 -0.6 Favors SER120 -**Favors Placebo** ITT population-pooled analysis. 1. Data on file. Avadel Specialty Pharmaceuticals, LLC.



1. Sussman D, Kaminetsky J, Efros M, et al. SER120 nasal spray is effective for the treatment of nocturia in patients regardless of efiology: a pooled analysis of two randomized, placebo-controlled phase 3 trials. Presented at: Society of Urodynamics, Female Pelvic Medicine & Urogenital Reconstruction (SUFU): February 28-March 4, 2017; Scottsdale, AZ.

Change in percentage of nights with 0 or ≤ 1 nocturic episode¹

Secondary Efficacy Endpoint



Noctiva (desmopressin acetate) Masal Spray

Reduction in nocturnal urine volume¹

Secondary Efficacy Endpoint

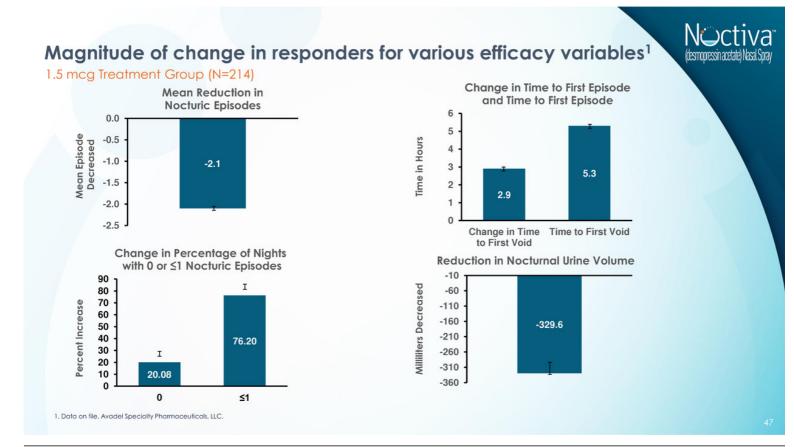


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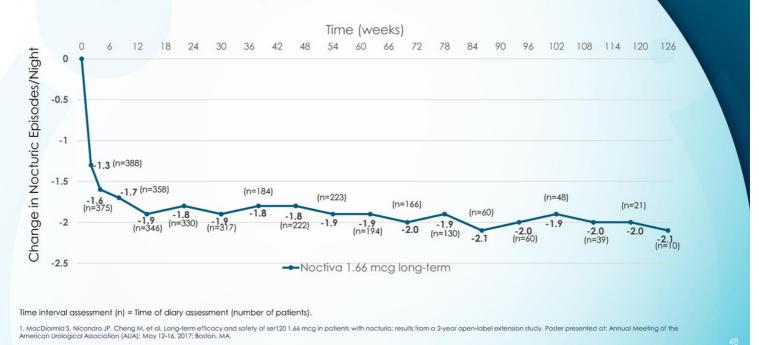
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1. Sussman D, Kaminetsky J, Efros M, et al. SER120 nasol spray is effective for the treatment of nacturia in patients regardless of etiology: a pooled analysis of two randomized, placebo-controlled phase 3 trials. Presented at: Society of Uradynamics, Female Pelvic Medicine & Uragenital Reconstruction (SUFU); February 28-March 4, 2017; Scottsdale, AZ.



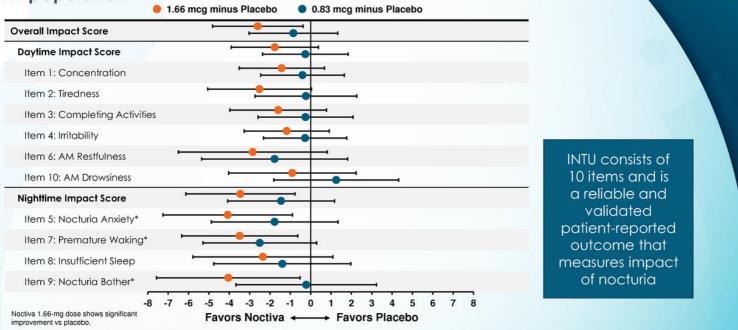
Durability: reduction in mean nocturic episodes per night¹

Open-Label, Long-Term Extension Trial—Up to 126 Weeks



(desmopressin acetate) Nasal Spray

INTU items: placebo-subtracted mean change scores ITT population¹

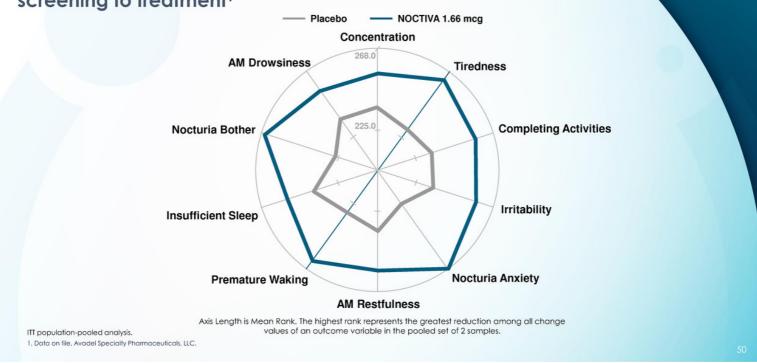


Nüc

(desmopressin acetate) Nasal Spray

1. Rovner E, Bennett J, Abrams S, et al. Improvement in patient-reported treatment benefit and health-related quality of life following treatment with ser-120 among patients with nocturia. Poster presented at: Society for Urodynamics and Female Urology (SUFU); February 28-March 4, 2017; Scottsdale, AZ.

O'Brien multivariate rank analysis for INTU items: change from screening to treatment¹

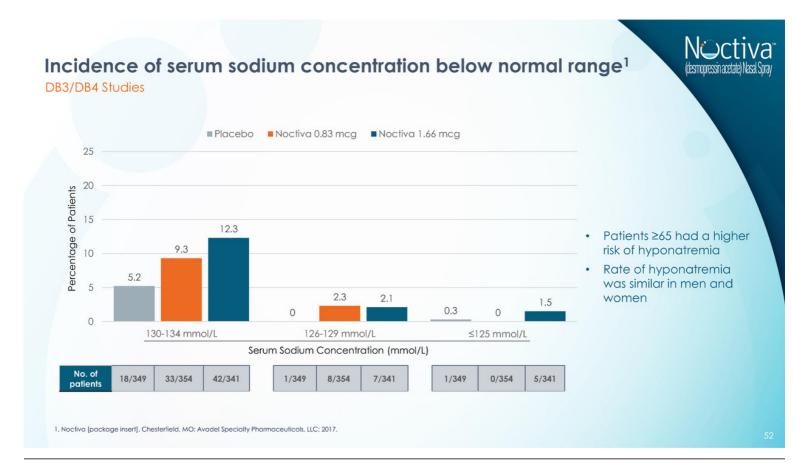


(desmopressin acetate) Nasal



Integrated Summary of Safety

Overview of hyponatremia data



Incidence of patients with nadir serum sodium post baseline by serum sodium range¹

Noctiva (desmopressin acetate) Nasal Spray

ISS ELD/OL1/DB3-A2 Studies, Safety Population

Serum Sodium Range (mmol/L)	Noctiva 1.66 mcg N=358 n (%)	Noctiva 0.83 mcg N=238 n (%)
130-134	43 (12.0)	13 (5.5)
126-129	1 (0.3)	0
≤125	0	0

 In a 2-year, open-label extension study, no patient using 1.66 mcg Noctiva reported an occurrence of hyponatremia

Note: The N (%) from 0.75-mcg group is based on the number of patients from the ELD and OL1 studies. Treatment period for the ELD study was 8 weeks while the treatment period for the OL1 study was 43 weeks.

1. Data on file. Avadel Specialty Pharmaceuticals, LLC.

NoctivaTM (desmopressin acetate) Indication and Boxed Warning

- **INDICATIONS AND USAGE**: Noctiva is a vasopressin analog indicated for the treatment of nocturia due to nocturnal polyuria in adults who awaken at least 2 times per night to void.
 - Limitation of Use: Not studied in patients younger than 50 years of age.

WARNING: HYPONATREMIA

Noctiva can cause hyponatremia. Severe hyponatremia can be life-threatening, leading to seizures, coma, respiratory arrest or death.

Noctiva is contraindicated in patients at increased risk of severe hyponatremia, such as patients with excessive fluid intake, illnesses that can cause fluid or electrolyte imbalances, and in those using loop diuretics or systemic or inhaled glucocorticoids.

Ensure serum sodium concentrations are normal before starting or resuming Noctiva. Measure serum sodium within seven days and approximately one month after initiating therapy or increasing the dose, and periodically during treatment. More frequently monitor serum sodium in patients 65 years of age and older and in patients at increased risk of hyponatremia.

If hyponatremia occurs, Noctiva may need to be temporarily or permanently discontinued.

Please see the full Prescribing Information for Noctiva at https://www.accessdata.fda.gov/drugsatfda_docs/label/2017/201656lbl.pdf

Noctiva Important Safety Information (continued)

 CONTRAINDICATIONS: Hyponatremia or a history of hyponatremia, polydipsia, primary nocturnal enuresis, concomitant use with loop diuretics or systemic or inhaled glucocorticoids, estimated glomerular filtration rate below 50 mL/min/1.73 m², Syndrome of inappropriate antidiuretic hormone secretion (SIADH, during illnesses that can cause fluid or electrolyte imbalance, New York Heart Association (NYHA) Class II-IV congestive heart failure, uncontrolled hypertension

WARNINGS AND PRECAUTIONS

- Fluid retention: Not recommended in patients at risk of increased intracranial pressure or history of urinary retention. Monitor volume status in patients with NYHA Class I congestive heart failure.
- Nasal conditions: Discontinue in patients with concurrent nasal conditions that may increase absorption, until resolved.
- ADVERSE REACTIONS: Common adverse reactions in clinical trials (incidence >2%) included nasal discomfort, nasopharyngitis, nasal congestion, sneezing, hypertension / blood pressure increased, back pain, epistaxis, bronchitis and dizziness.
- **DRUG INTERACTIONS:** Monitor serum sodium more frequently when Noctiva is concomitantly used with drugs that may cause water retention and increase the risk for hyponatremia (e.g., tricyclic antidepressants, selective serotonin re-uptake inhibitors, chlorpromazine, opiate analgesics, nonsteroidal anti-inflammatories, lamotrigine and carbamazepine).

O USE IN SPECIFIC POPULATIONS

- Pregnancy: Use of Noctiva is not recommended.
- Pediatric: Do not use Noctiva for primary nocturnal enuresis in children.

Please see the full Prescribing Information for Noctiva at https://www.accessdata.fda.gov/drugsatfda_docs/label/2017/201656lbl.pdf



A Clinician's Perspective

Steve A. Kaplan, MD

Professor of Urology, Icahn School of Medicine at Mount Sinai

Director, Benign Urologic Diseases and The Men's Health Program, Mount Sinai Health System

Noctiva is not yet available for prescription.

Summary point 1



Nocturia is an under-recognized condition

- o Out of an estimated 40 million Americans with nocturia, only approximately 11 million have been diagnosed¹⁻⁴
- o Prevalence increases with age⁵
- Nocturnal polyuria impacts 4 out of 5 people with nocturia⁶⁻⁸

. QuintilesIMS Secondary Research. Lee K. Goren A. Zou KH, et al. Potential benefits of diagnosis and treatment on health outcomes among elderly people with symptoms of overactive bladder. Int J Clin Pract. 2016;70(1):66-81. Decision Resources. Treatment Algorithm in OAB. J Vuichoud C. Loughin KR. Benign postatic hyperplasia: epidemiology, economics and evaluation. J Urol. 2015;22(51):1-6. Mardland AD, Richter HE, Fwu CW, Eggers P, Kuesi W, Prevalence and trends of utinary incontinence in adults in the United States, 2001 to 2008. J Urol. 2011;184(2):589-593. Avery K. Donovan J. Peters TJ. Shaw C., Gotoh M. Abrams P. ICIQ: a brief and robust measure for evaluating the symptoms and impact of urinary incontinence. Neurourol Urodyn. 2004;23(4):322-330. Chang SC. Link J. Chen KK. Chang LS. Multicatorial nature of male nochristic. Urology. 2006;67(3):541-544.

Summary point 2

Nocturia has important consequences for health, lifestyle, and work

- o Nocturia sufferers may have an elevated risk of diabetes, hypertension, coronary heart disease, and death¹
- Nocturia significantly impacts daily functioning^{2,3}
- o Those who awoke at least 3 nights per week to void had a statistically significant increase of daytime sleepiness, naps, and sick leave⁴
- o Nocturia is a strong predictor of falls and mortality⁵⁻⁹

- Lightner DJ, Krambeck AE, Jacobson DJ, et al. Nocturia is associated with an increased risk of coronary heart disease and death. BJU Int. 2012;110(6):848-853.
 Likkinen KA, Johnson TM, Tarmela TL, et al. Nocturia frequency, bother, and quality of life: how often is too often & A population-based study in Finland. Eur Urol. 2010;57(3):488-496.
 Sintonen H, The 15D instrument of health-related quality of life: properties and applications. Ann Med. 2001;33(5):328-334.
 A Ohayon MM. Nocturnal awakenings and comorbid disorders in the American general population. J Psychiatr Res. 2008;43(1):48-54.
 Sievart RB. Moore MT. May FE, Marks RG, Hole WE. Nocturia: a risk factor for falls in the elderly. J Am Geriatr Soc. 1992;40(12):1217-1220.
 Silverot RJ, Foley DJ, Vittlelo MV, Ansari FP, Ancol-Israel S, Wash KN. Nocturia and disturbed sleep in the elderly. J Am Geriatr Soc. 1992;40(12):1217-1220.
 Silves DL, Foley DJ, Vittlelo MV, Ansari FP, Ancol-Israel S, Wash KN. Nocturia and disturbed sleep in the elderly. J Am Geriatr Soc. 1992;40(12):1217-1220.
 Silves DL, Johayon TP, Ancol-Israel S, Wash KN. Nocturia and disturbed sleep in the elderly. J Am Geriatr Soc. 1992;40(12):1217-1220.
 Silves DL, Johayon TP, Ancol-Israel S, Wash KN. Nocturia and disturbed sleep in the elderly. J Am Geriatr Soc. 1992;40(12):1217-1220.
 Silves DL, Johayon TP, Ancol-Israel S, Wash KN. Nocturia and disturbed sleep in the elderly. J Uno 2009;10(5):540-548.
 Sensons JL, Kauge JL, et al. Lawer utinary tract symptoms increases the risk of talls in older men. BU Int. 2009;10(19):540-548.
 Sensons JL, Kauge JL, Lambert L, et al. Lawer utinary tract symptoms increases the risk of talls in older men. BU Int. 2009;10(19):540-548.
 Sensons JL, Kauge JL, et al. Lawer utinary tract symptoms increases the risk of talls in older men. BU Int. 2009;10(19):540-548.
 Sensons JL, Mange JL, et al. Lawer utinary tract symptoms increases the risk of talls in older men. BU Int. 2009;10(19):540-548.
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Summary point 3



We finally have a safe and effective nocturia^{*} therapy for both men and women

- Noctiva is the first and only FDA-approved treatment for nocturia^{1*}
- o Noctiva effectively treats nocturia using 1/100th of the desmopressin dosage of other formulations^{2,3}
- o Noctiva decreased nocturic episodes, lengthened the time to first void, and decreased nighttime urine volume⁴
- o Noctiva significantly improved quality of life in patients with nocturia²
- Risk of hyponatremia was low, with a similar incidence in men and women²

*Due to nocturnal polyuria in adults who awaken at least 2 times per night to void.

- US Food and Drug Administration. FDA approves first treatment for frequent urination at night due to overproduction of urine. <u>https://www.fda.gov/NewsEvents/Newsrc</u> Published March 3, 2017.
 Noctiva [pockage insert]. Chesterfield, MO: Avadel Specialty Pharmaceuticals, LLC; 2017.
 DAVP nosol spray [pockage insert]. Bridgewater, NJ: sanofi-aventis U.S. LLC;
 Cohn JA, Kowolik CG, Reynolds WS, et al. Desmopressin acetate nasal spray for adults with nocturia. Exp Rev Clin Pharmacel. 2017. doi:10.1080/17512433.2017.1394185

m/PressAnnouncements/ucm544877.htm



Commercial Strategy and Launch Update

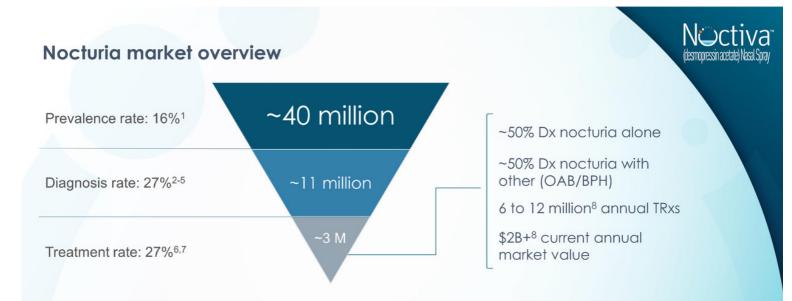
Greg Divis, Executive Vice President and Chief Commercial Officer Avadel

Highlights

- Market overview
- Situation analysis—recent key learnings
 - Prescriber
 - Patient
 - Payer
- Brand strategic plan
- Launch update and timing
- o Physician segmentation and field force update

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- o Key financial highlights
- o Summary

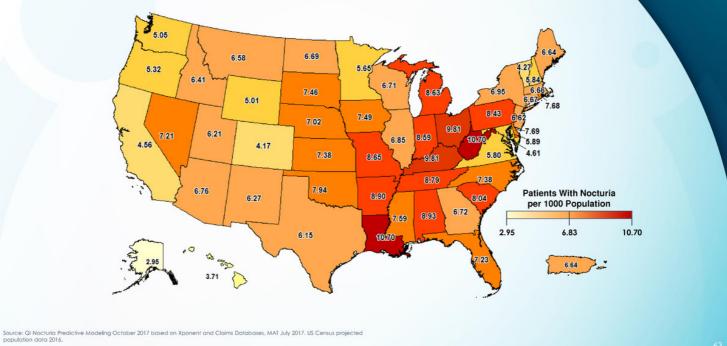


Attractive existing market with significant upside for market expansion

and causes of nocturia. J Urol. 2010;184(2);440-446

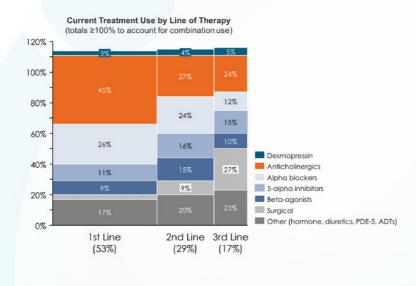
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 Lea K, Goren A, Zou KH, et al. Potential benefits of diagnosis and treatment on health outcomes among elderly people with symptoms of overactive bladder. Int J Clin Pract. 2016;70(1):66-81.
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 Vachovad C, Loughin RR. Benign Vigotation in OAB.
 Vachovad C, Loughin RR. Benign Vigotation of the frequencies of medical therapies for overactive bladder in men and women: analysis of more than 7.2 million aging patients. Eur Urol. 2010;57(4):586-591.
 Johan HB, Anger JJ, Elinduy CB, et al. Real-world patients of care for the overactive bladder syndrome in the United States. Urology. 2016;87:64-69.
 Data on HB;





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Anticholinergics and alpha-blockers are the most common treatments for nocturia due to OAB and BPH overlap



Sources: Physician interviews, physician survey, July 2017.

Physicians will treat patients based upon the presentation and etiology of nocturia

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- Patients with other comorbidities, such as diabetes, hypertension, or infections, will be treated for those conditions first unless nocturia is a primary patient complaint
- Older desmopressin formulations currently used primarily when no other underlying conditions appear with nocturia

Current branded treatments and price points



Product	WAC	Package Size	
VESIcare Oral Tablet 10 mg or 5 mg (same price)	\$314.77	30 tablets	
Detrol LA Oral Capsule Extended Release 24 Hour 2 mg	\$365.00	30 capsules	
Ditropan XL – Ditropan XL Oral Tablet Extended Release 24 Hour 10 mg	\$636.12	100 tablets	
Myrbetriq Oral Tablet Extended Release 24 Hour 25 mg	\$323.45	30 tablets	
Flomax Oral Capsule 0.4 mg	\$731.45	100 capsules	
DDAVP Nasal Solution 0.01%	\$439.36	5 mL	

Average daily costs range between ~\$10-\$15/day

Source: PriceRx database query conducted by IQVIA on 11/9/2017.

Situation and insights

Comprehensive, ongoing market research with HCPs, patients, and payers

400+ interviews with

urologists, OB/GYNs, UroGYNs, PCPs, NPs, and PAs

400+ patients included in

qualitative and quantitative studies 40+

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interviews with P&T committee members within large national and regional MCOs

66

HCPs' ability to offer patients symptomatic relief from nocturia is variable

Most doctors acknowledge that current treatments don't work well on nighttime symptoms



 Nocturia is typically discovered during routine H&P or "review of systems" and tends to be more frequently talked about directly with patients by urologists and OB/GYNs



HCPs look at nocturia as a symptom and do their best to identify and address the underlying cause, whether it is (1) a medical condition like BPH, (2) behavioral/lifestyle choices, or (3) medication-related (eg, loop diuretics)



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 While their results vary in addressing patients' nocturia, depending upon the cause, it is generally understood that medical treatments (eg, anticholinergics) do not work well on nighttime symptoms¹

Source: Physician interviews. October 2017.

1. Van Kerrebroeck P, et al. Nocturia research: current status and future perspectives. Neurourol Urodyn. 2010;29(4):623-628.

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HCPs believe the way to highlight the importance of addressing nocturia is to point out that it can substantially impact QoL

They recommend emphasizing individual QoL benefits



Rather than focus on one particular effect of nocturia, HCPs told us that **improving the patient's QoL is the paramount goal** in addressing nocturia: helping the patient to enjoy an uninterrupted night's sleep will yield multiple QoL and health-related dividends

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While not a sleep story, per se, HCPs feel that the value of addressing nocturia is promoting a more "sustained, restorative" sleep, which in turn yields differential benefits, depending upon the patient type (eg, more productivity for those who are working, safety for older patients) and expected associated benefits of improved sleep



In seeking to encourage a greater focus on nocturia, HCPs emphasize that while offering symptomatic relief is an important goal, looking for the underlying cause of the nocturia remains their medical responsibility

Source: Physician interviews. October 2017.

Impact of nocturia on patients is variable: for most, it is frustrating but viewed as a natural consequence of aging

Most people experiencing nocturia are unaware that this condition even has a name



Variability is driven by:

- Frequency of sleep disruptions
- Ease of falling back to sleep
- Ability to accommodate sleep disruptions
 - Impacts working patients more
- o Other comorbid health issues
- o Impact on partner sleep

Source: Patient interviews. October 2017.



Nocturia is seen by most as a natural consequence of aging:

- Onset is gradual
- It is often not discussed with the HCP
- May be associated with other urinary conditions (eg, BPH, OAB)
- Not seen as treatable



There are different segments of patients experiencing nocturia

- o Variation is driven by
 - Bother
 - Ability to fall back to sleep
 - Age
 - Work status
 - Comorbidity

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Patients face barriers in talking to doctors about their nocturia—they don't (yet) have a name for it



Why It Gets Raised Why It Does Not Get Raised or Addressed Patient has other urinary symptoms, A natural part of the aging process particularly daytime symptoms (OAB, BPH) Lack of awareness of potential treatment options . The patient's nocturia is very bothersome . The onset is gradual that it's often hard to notice that there is a problem (multiple voids a night, inability to fall back to sleep) Symptoms are often forgotten about during the day o It is significantly impacting the Belief that a "weak bladder" is a natural condition after having children • patient's ability to function during the day, esp. function on the job Belief that symptoms are not (or are) a "red flag" of a potentially serious . underlying medical condition

Physician and patient education early and often is key

Source: Patient interviews. October 2017.

Payers do not actively manage or monitor nocturia as it is a low-cost area for plans and lower priority overall

Current Market Access Environment

Management	 Low priority is placed on nocturia because it is a low-cost, low-burden lifestyle disease Coverage is mostly dependent on cost of the product and generic availability 	"We don't have any case management [for nocturia]; it's really not on our radar screen. If you think about what we call basically urinary incontinence, that borders on a lifestyle-type disease state and therefore we don't put a lot of emphasis on
Formulary Positioning	 At launch, majority of branded products will be placed on tier 3 for both commercial and Medicare plans Contracting and rebates are needed for preferred tiering (especially Part D) 	that. Health plans are dealing with expensive orphan or oncology drugs, so this is really way down the line for us." - MCO Payer
Restrictions	• "Me too" products run the risk of restrictions and non-coverage, particularly on Medicare plans	"Tiering is based on price, cost, and contracting. For new agents where contracting isn't good, we put them on tier 3. For example, Myrbetriq is currently non-
	Step edits are common for high-cost products or branded products with generic availability	preferred with step edits." - MCO Payer

Source: Payer interviews, July 2017.

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Today

No specific treatment for nocturia; payers are focused elsewhere; HCPs and patients are frustrated

Future

Noctiva – a treatment of choice for nocturia for payers, HCPs, and patients Today No specific treatment for nocturia; payers are focused elsewhere; HCPs and patients are frustrated

Our approach

Pre-Launch Energize the market early and often

pecialist-Focused **Establish** leading market position among specialists quickly

Market Expansion Expand to drive broad market adoption Future Noctiva - a treatment of choice for nocturia for payers, HCPs, and patients

Overarching launch plan

to self-identify and "get in line"

for new treatment





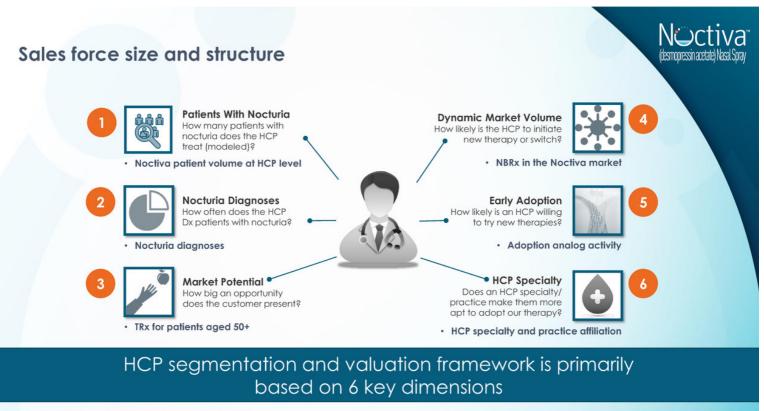
Launch update and timing

Q4'17 (ຊ1'18	Q2'18	Q3'18	Q4'18
Phase 1: undation building	>	Disease-state	Phase 2: e education and early expe	erience
ctives: cure top talent for	Objectives: • Raise awareness with HCPs with a		Phase Full commercial specie	
y positions epare Noctiva for ecialty-focused unch, including full mpaign evelop relationships th key opinion leaders d professional ganizations evelop economic d clinical value oposition for Noctiva, d begin payer treach to prioritized counts	 focused c education Ensure po experience targeted p and assist Implement program(s launch" w distribution Payer and 	lisease-state nal campaign sitive early ses with a patient access ance program ance program t early access s) through "soft rith controlled n	 Objectives: Maximize the value on nocturia-treating spector Partner with large gradeficiencies while ensist through sales team Employ disruptive pathengagement program Execute coordinated strategy to ensure a contracting Expand payer coveration 	cialists oup practices to drive uring broad reach tient identification and ms I medical publication continuous flow of

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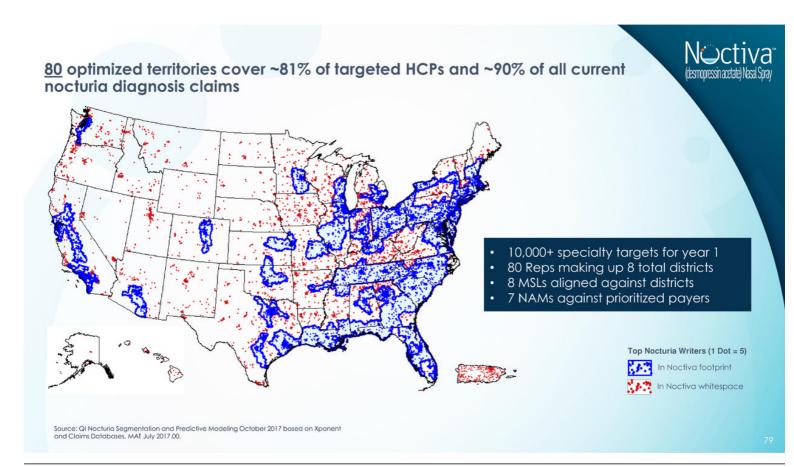


All teams (except sales reps) to be on board by December 2017. Sales team by January 2018



Source: Avadel/QI - Sales Force Design for Noctiva - HCP Segmentation.





Key financial updates

Transformational opportunity requires significant and disciplined investment

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2018 launch investment of \$50M+	 ~50% on new teams ~20% on promotional campaign ~20% on educational campaign ~10% on other (data, research, PMR, etc)
Market uptake	• Expected to be impacted in the first couple of years due to market education and activation investments coupled with time to secure Part D preferred access
Pricing assumption	•Competitive to most commonly used branded agents currently prescribed

Revenue opportunity

Specialist-focused launch

\$250M-400M peak revenue opportunity

Assumes **6% to 10%** penetration of currently treated pool at peak

Maximizing the specialist opportunity will lead to expanding our treater base and building broader condition and Noctiva awareness.

Expanded launch opportunity

\$500M-750M+ revenue opportunity

Assumes **11% to 15+%** penetration and a 20% growth in the treated patient pool at peak

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Closing remarks

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Past 1990-2012	Present 2012-2017	Future 2018 and beyond
 Focused on drug delivery and life-cycle plays for large pharma with no internal pipeline or long-term growth strategy Unprofitable with only one product approval. No 	Profitable with internal pipeline development: enabling growth organically and through business development	 5-year plan: Growing specialty pharma company \$500+ million in sales >\$1B market cap Distinctive product offerings for patients and providers
organizational direction or growth plan		



Thank You