

NODE-303: Multi-Center, Multi-National, Open-Label, Safety Study of Etripamil Nasal Spray for Patients With Paroxysmal Supraventricular Tachycardia

James E. Ip, MD, FACC, FHRS

Professor of Clinical Medicine

Weill Cornell Medicine

On behalf of: James E. Ip, MD; Benoit Coutu, MD; John H. Ip, MD; Peter A. Noseworthy, MD, MBA; Maria L. Parody, MD; Farhad Rafii, MD;, Samuel F. Sears, PhD; Narendra Singh, MD; Bruce S. Stambler, MD; Naeem K. Tahirkheli, MD; Juan Agudelo-Uribe, MD; Derek Hu, MA; Sarah Omodele, DN, FNP; Silvia Shardonofsky, MD; David B. Bharucha, MD, PhD; A. John Camm, MD



Disclosures

James E. Ip, MD:

- Received compensation as study investigator and steering committee member for Milestone Pharmaceuticals
- Received honoraria/speaking/consulting fees for Abbott Medical, Boston Scientific, and Medtronic Inc.
- Membership on advisory committee and/or steering committee for Abbott Medical and Medtronic Inc.
- Membership on data safety monitoring committee for Boston Scientific

The NODE-303 trial and these analyses were funded by Milestone Pharmaceuticals.

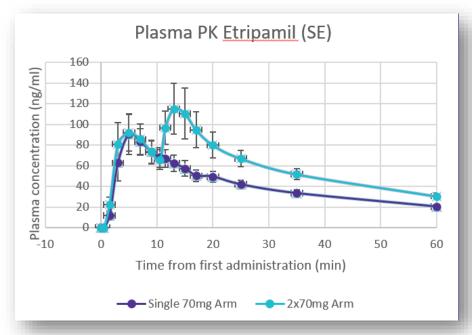
The trial was conducted and coordinated by Milestone and IQVIA, and over-read of ECG data was performed by Columbia Research Foundation.



Etripamil: Potential New Treatment for PSVT

- Novel, investigational, L-type channel calcium channel blocker
- Formulated for intranasal spray with:
 - Rapid onset of action ($T_{max} \leq 7$ minutes)
 - Metabolism: inactivation by blood esterases
- Developed to satisfy unmet need for self-administered therapy that is convenient & safe outside the healthcare setting
- Effective at rapidly terminating single episodes of AV nodal–dependent PSVT
 - Three phase 3 studies: NODE-301 Part 1, RAPID, NODE-302

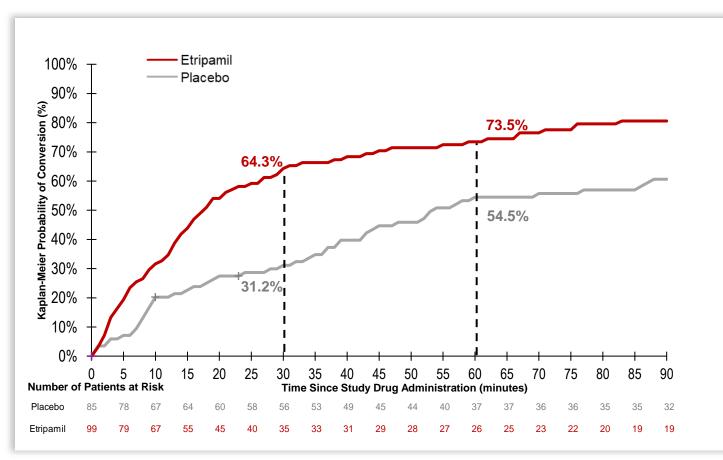




Stambler BS, et al., *J Am Coll Cardiol.* 2018. Wight D, et al. *J Am Coll Cardiol.* 2022 Mar, 79 (9_Supplement) 43. Ip JE, et al. *Lancet.* 2023 July. Ip JE, et al. *Clin Pharmacol Drug Dev.* 2024 Feb. NODE-PK-101, -103, data on file.

Error bars = standard error (SE). PSVT = paroxysmal supraventricular tachycardia. PK = pharmacokinetic.

RAPID: Conversion of Adjudicated PSVT to NSR at 30 and 60 min



Median time to conversion: 17.2 min vs 53.5 min

BP = blood pressure. ECG = electrocardiography. NSR = normal sinus rhythm. PSVT = paroxysmal supraventricular tachycardia.



Test dose required:

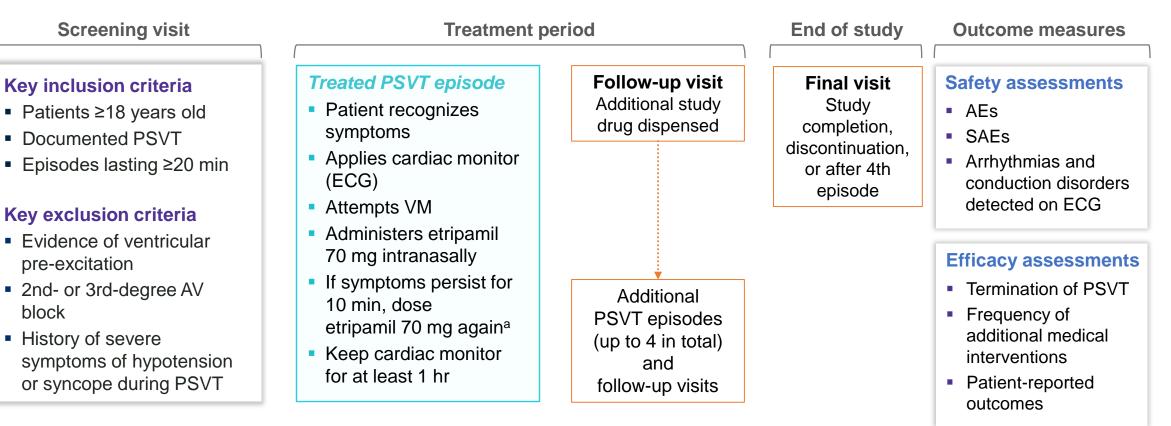
- During Sinus Rhythm
- Continuous ECG Monitoring
- Serial BP Measurements every 5 min

1.3% test dose failure in RAPID study

NODE-303 Phase 3 Study Design

Real-world design:

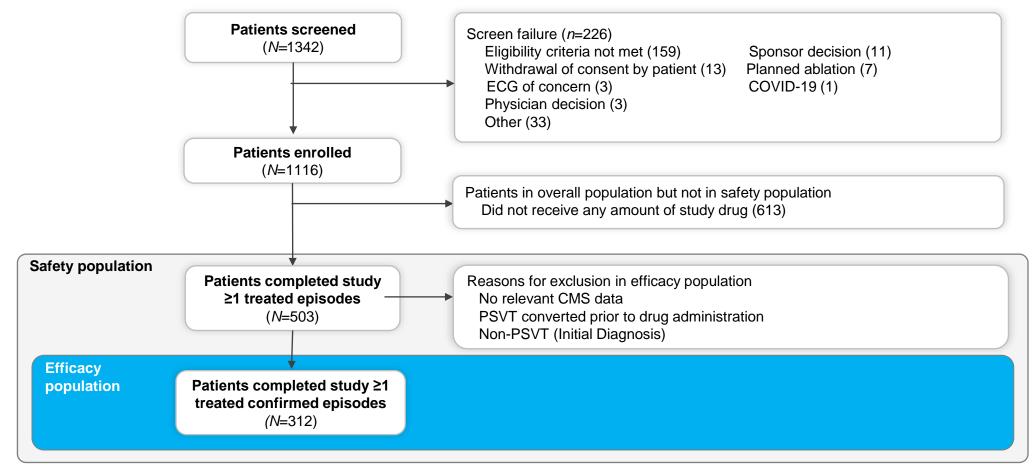
- No test dose
- No exclusion of AF/AFL history
- Multiple episodes (up to four)



^aApproximately 21 months after the study started, the protocol was amended to allow a repeat 70-mg dose to be self-administered if symptoms persisted 10 minutes following the first dose. If the symptoms of PSVT have not resolved within 20 minutes after study drug administration, the patient may seek appropriate medical care as needed. AE = adverse event. AF = atrial fibrillation. AFL = atrial flutter. AV = atrioventricular. ECG = electrocardiography. PSVT = paroxysmal supraventricular tachycardia. SAE = serious adverse event. SR = sinus rhythm. VM = vagal maneuver.



Patient Disposition and Analyses Populations



CMS = cardiac monitoring system. ECG = electrocardiography. PSVT = paroxysmal supraventricular tachycardia.



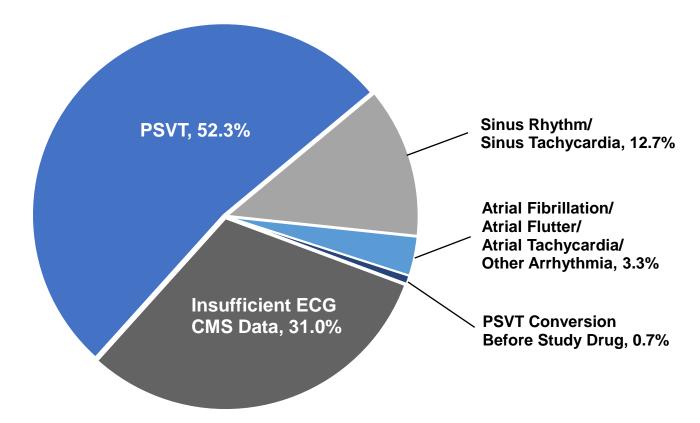
Demographics & Baseline Characteristics (Safety Population)

| | Mean (SD) or Patients for Categorical Variables, <i>n</i> (%) |
|---|--|
| Age, y | 54.9 (13.6) |
| Sex, <i>n</i> (%) | |
| Female | 344 (68.4) |
| Male | 159 (31.6) |
| Region, <i>n</i> (%) | |
| North America | 353 (70.2) |
| South America | 150 (29.8) |
| Age at first PSVT diagnosis, y | 47.7 (16.8) |
| Time since first PSVT diagnosis, y | 7.0 (9.2) |
| PSVT episodes in past year, <i>n</i> | 9.8 (17.6) |
| Patient-reported emergency department visits for PSVT since diagnosis, <i>n</i> | 3.9 (5.7) |
| Patients with concomitant medications of interest, <i>n</i> (%) ^a | |
| β-blocker or calcium channel blocker | 355 (70.6) |
| β-blocker only ^b | 238 (47.3) |
| Calcium channel blocker only ^c | 68 (13.5) |
| β-blocker and calcium channel blocker | 49 (9.7) |
| NDHP calcium channel blocker (verapamil, diltiazem) | 92 (18.3) |

^aDrugs acting on the atrioventricular node that were started at any time and were taken at any time after the date of informed consent until the end of the follow-up period. ^bβ-blocker only category does not include calcium channel blockers. ^cCalcium channel blocker only category does not include β-blockers. NDHP = non-dihydropyridine. PSVT = paroxysmal supraventricular tachycardia. SD = standard deviation.



Rhythms Captured on CMS During Perceived PSVT Episodes

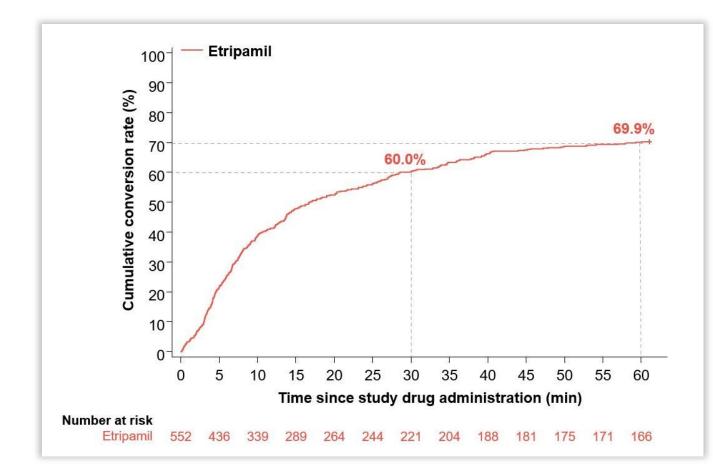


- 503 patients treated 1054 episodes as perceived PSVT
 - 220 pts treated 1 episode
 - 118 pts treated 2 episodes
 - 62 pts treated 3 episodes
 - 103 pts treated 4 episodes
- 552 episodes were confirmed as PSVT and included in the efficacy population

CMS = cardiac monitoring system. ECG=electrocardiography. PSVT = paroxysmal supraventricular tachycardia.



Conversion of PSVT to SR: All Episodes (Efficacy Population) Secondary Efficacy Assessments



| KM Estimate of PSVT Conversion to Sinus Rhythm | By 30 Minutes | By 60 Minutes |
|---|------------------|------------------|
| NODE-301 | 53.7 | 63.7 |
| NODE-302 | 60.2 | 75.1 |
| RAPID | 64.3 | 73.5 |
| NODE-303 | 60 | 69.9 |

Median time to conversion: **17.0 min** (95% CI, 13.9–22.3)

CI = confidence interval. KM = Kaplan Meier. PSVT = paroxysmal supraventricular tachycardia. SR = sinus rhythm.



Additional Secondary Endpoints

Kaplan-Meier Analyses of Confirmed PSVT to SR Conversion at 60 Minutes by Episode (Efficacy Population)

| | All Episodes | Episode 1 (<i>n</i> =312) | Episode 2 (<i>n</i> =151) | Episode 3 (<i>n</i> =71) | Episode 4 (<i>n</i> =18) | | |
|---|-----------------------|-------------------------------|-------------------------------|------------------------------|------------------------------|--|--|
| Kaplan-Meier Estimate of Patients Converted to SR Within 60 min, % ^a | 69.9 | 70.5 | 73.5 | 57.7 | 77.8 | | |
| Time to Conversion, min | | | | | | | |
| Q1 (95% CI) | 6.0 (5.0, 6.8) | 6.6 (5.1, 7.5) | 4.9 (4.2, 6.6)) | 6.0 (3.3, 9.1) | 6.0 (0.3, 13.9) | | |
| Median (95% CI) | 17.0 (13.9, 22.3) | 18.3 (14.2, 25.6) | 14.0 (9.7, 24.2) | 19.1 (9.8, -) | 15.6 (6.0, 33.7) | | |
| Q3 (95% CI) | - (-, -) ^b | - (58.1, -) ^b | - (36.4, -) ^b | - (-, -) ^b | 34.7 (16.3, -) ^b | | |

^aPatients who converted during signal loss were considered to have converted at the time signal with sinus rhythm was captured again if this occurred within 1 hour of the first event marker if present or start of CMS signal. Patients were censored as non-converted if signal was lost or became uninterpretable while the patient was in PSVT if interpretable signal was not recovered within 1 hour. ^bDid not occur within the observation window. CI = confidence interval. CMS = cardiac monitoring system. PSVT = paroxysmal supraventricular tachycardia.



Overview of Treatment-Emergent Adverse Events (Safety Population)

| TEAE Category (Safety Population <i>N</i> =503) | Events, <i>n</i> | Patients, <i>n</i> (%) |
|---|------------------|-------------------------|
| Any TEAE | 997 | 301 (59.8) |
| Severe | 43 | 31 (6.2) |
| Any TEAE 24 h | 776 | 269 (53.5) |
| Severe | 22 | 16 (3.2) |
| Serious TEAE | 33 | 26 (5.2) |
| Drug related | 0 | 0 |
| Leading to death ^a | 4 | 4 (0.8) |
| Serious TEAE 24 h | 5 | 5 (1.0) |
| Drug related | 0 | 0 |
| Leading to death | 0 | 0 |
| Drug-related TEAE | 719 | 250 (49.7) |
| Severe | 19 | 14 (2.8) |
| Drug-related TEAE 24 h | 706 | 249 (49.5) |
| Severe | 19 | 14 (2.8) |
| TEAE leading to study drug discontinuation | 40 | 26 (5.2) |
| Drug related | 24 | 12 (2.4) |
| TEAE 24 h leading to study drug discontinuation | 31 | 18 (3.6) |
| Drug related | 24 | 12 (2.4) |
| Any clinical AESI 24 h | 22 ^b | 17 (3.4) ^{b,c} |



^aTEAEs leading to death were not related to etripamil and include acute myocardial infarction, cardio-respiratory arrest, septic shock and high-grade B cell lymphoma. ^bAESIs were identified by the Investigator and do not include those identified from the CMS data. ^cAn additional clinical AESI (mild hypotension) was identified in one additional patient post-database lock. AESI=AE of special interest. TEAE=treatment-emergent adverse event, TEAE 24h=TEAE occurring ≤24h after study drug.

Summary of Drug-Related TEAEs Leading to Study Drug Discontinuation

| Drug-Related TEAEs* (<i>N</i> = | | |
|--|---------------|----------|
| System Organ Class Preferred Term | No. of Events | n (%) |
| Any TEAE | 24 | 12 (2.4) |
| Gastrointestinal disorders | 1 | 1 (0.2) |
| Oral discomfort | 1 | 1 (0.2) |
| General disorders and administration site conditions | 1 | 1 (0.2) |
| Facial pain | 1 | 1 (0.2) |
| Nervous system disorders | 2 | 2 (0.4) |
| Syncope ^a | 1 | 1 (0.2) |
| Hypoaesthesia | 1 | 1 (0.2) |
| Respiratory, thoracic, and mediastinal disorders | 19 | 9 (1.8) |
| Nasal discomfort | 7 | 7 (1.4) |
| Epistaxis | 3 | 3 (0.6) |
| Nasal congestion | 3 | 3 (0.6) |
| Rhinalgia | 2 | 2 (0.4) |
| Cough | 1 | 1 (0.2) |
| Rhinorrhea | 1 | 1 (0.2) |
| Sneezing | 1 | 1 (0.2) |
| Throat irritation | 1 | 1 (0.2) |
| Vascular disorders | 1 | 1 (0.2) |
| Hypotension ^b | 1 | 1 (0.2) |

*TEAE defined as AE with a start date occurring after administration of study drug TEAE= treatment-emergent adverse event



^aOne patient with reported syncope 5 min after etripamil administration, however, investigation showed no reported loss of consciousness, judged as no syncope by study sponsor. ^bOne patient experienced an event of hypotension 1 hour and 6 min after etripamil administration while in PSVT in the ER (BP 72/27 mm Hg). Patient restored to NSR after cardioversion. The investigator considered the event of hypotension as severe in intensity and probably related to etripamil. The study sponsor considered the event of hypotension as unlikely related to etripamil due to elapsed time between event and drug administration based on the half-life of etripamil.

Most Common (≥5%) Treatment-Emergent Adverse Events Within 24 h After Etripamil Administration (Safety Population)

| TEAE 24 h | | se (70 mg) 428) | Optional Repeat Dose (2 × 70 mg) (<i>N</i> =75) | | Total Safety Population (<i>N</i> =503) | |
|--|-----------|--------------------|---|-----------------|---|-----------------|
| System organ class Preferred term | Events, n | Patients, n (%) | Events, n | Patients, n (%) | Events, n | Patients, n (%) |
| Any TEAE 24 h | 652 | 228 (53.3) | 124 | 41 (54.7) | 776 | 269 (53.5) |
| Gastrointestinal disorders | 24 | 21 (4.9) | 5 | 5 (6.7) | 29 | 26 (5.2) |
| Nausea | 5 | 5 (1.2) | 4 | 4 (5.3) | 9 | 9 (1.8) |
| Nervous system disorders | 65 | 42 (9.8) | 5 | 4 (5.3) | 70 | 46 (9.1) |
| Headache | 32 | 23 (5.4) | 4 | 3 (4.0) | 36 | 26 (5.2) |
| Respiratory, thoracic, and mediastinal disorders | 485 | 198 (46.3) | 97 | 39 (52.0) | 582 | 237 (47.1) |
| Nasal discomfort | 189 | 126 (29.4) | 43 | 26 (34.7) | 232 | 152 (30.2) |
| Nasal congestion | 80 | 59 (13.8) | 13 | 11 (14.7) | 93 | 70 (13.9) |
| Rhinorrhea | 76 | 54 (12.6) | 18 | 12 (16.0) | 94 | 66 (13.1) |
| Epistaxis | 39 | 33 (7.7) | 6 | 4 (5.3) | 45 | 37 (7.4) |

Data are presented for TEAEs 24 h that occurred in \geq 5% of patients (by preferred term) in the total safety population. Within each system organ class and within each preferred term, patients with more than one event are counted once only. A TEAE 24 h was defined as an AE starting or worsening within 24 hours after study drug administration, or an AE that started within 12 hours prior to study drug administration. AE = adverse event. TEAE = treatment-emergent adverse event.



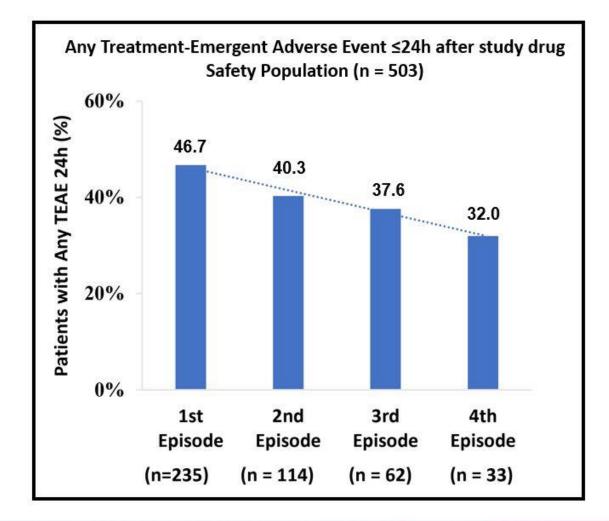
TEAEs of Special Interest (Safety Population)

| | Single Dose (70 mg) (<i>N</i> =428) | | Repeat Dose (2 × 70 mg) (<i>N</i> =75) | | Total Safety Population (<i>N</i> =503) | |
|---------------------------------------|---|-----------------|--|---------|---|----------|
| System Organ Class Preferred Term | Events, <i>n</i> | Patients, n (%) | No. of Events | n (%) | No. of Events | n (%) |
| Any AEs | 20 | 15 (3.5) | 3 | 3 (4.0) | 23 | 18 (3.6) |
| Cardiac disorders | 6 | 3 (0.7) | 3 | 3 (4.0) | 9 | 6 (1.2) |
| Sinus arrest (≥3 seconds) | 2 | 1 (0.2) | 1 | 1 (1.3) | 3 | 2 (0.4) |
| Atrioventricular block, first degree | 1 | 1 (0.2) | 1 | 1 (1.3) | 2 | 2 (0.4) |
| Atrioventricular block, second degree | 2 | 1 (0.2) | 0 | 0 | 2 | 1 (0.2) |
| Atrioventricular block, third degree | 0 | 0 | 0 | 0 | 0 | 0 |
| Atrial flutter | 0 | 0 | 1 ^a | 1 (1.3) | 1 | 1 (0.2) |
| Atrial fibrillation | 1 ^b | 1 (0.2) | 0 | 0 | 1 | 1 (0.2) |
| Nervous system disorders | 12 | 10 (2.3) | 0 | 0 | 12 | 10 (2.0) |
| Dizziness | 11 ^c | 9 (2.1) | 0 | 0 | 11 | 9 (1.8) |
| Syncope | 1 ^d | 1 (0.2) | 0 | 0 | 1 | 1 (0.2) |
| Vascular disorders | 2 | 2 (0.5) | 0 | 0 | 2 | 2 (0.4) |
| Hypotension | 2 ^e | 2 (0.5) | 0 | 0 | 2 | 2 (0.4) |

One transient third-degree heart block occurred after IV adenosine. ^aModerate severity. ^bNot related to study drug. ^cTwo events of dizziness were of moderate severity. ^dOne event of syncope was severe. ^eOne event of hypotension was mild and one event of hypotension was severe. AE = adverse event. IV = intravenous. TEAE = treatment-emergent adverse event.



Downward Trend in Treatment-Emergent Adverse Events Within 24 h With Repeat Episodes



TEAE = treatment-emergent adverse event.



NODE-303: Summary and Conclusions

- NODE-303 was the first study to evaluate treatment of multiple episodes of PSVT with single and optional repeat-dose etripamil, self-administered outside of the healthcare setting as prompted by PSVT symptoms, without a prior medically supervised test dose
- The safety profile of etripamil in NODE-303 was similar to that observed in previous randomized trials of etripamil
 - Most treatment-emergent AEs on the day of self-administration (TEAEs 24 h) were transient, mild, or moderate, and localized to the site of etripamil administration, most commonly nasal discomfort, nasal congestion, rhinorrhea, and epistaxis
 - There were no serious drug-related TEAEs
- Efficacy of conversion of PSVT and restoration of SR was demonstrated over multiple episodes (up to 4) to a similar degree and with a similar time to median conversion compared with prior trial data
- The results of this study are consistent with previous clinical studies and support the potential benefit of self-administration of etripamil in treating PSVT in a medically unsupervised setting without the need for prior test dosing

AE = adverse event. PSVT = paroxysmal supraventricular tachycardia. SR = sinus rhythm. TEAE = treatment-emergent adverse event.



NODE-303 Trial Sites and Investigators

UNITED STATES

Roger Damle, Littleton, CO Julian J. Javier. Naples. FL James H. Crenshaw, Jackson, TN Ashit Jain, Fremont, CA James Lovell, West Des Moines, IA Steven Hearne, Salisbury, MD Theodore Takata, Fort Worth, TX Hamdan Firas, Canton, OH George Mark, Elmer, NJ Mauricio Hong, Austin, TX Marco Guerrero, Saint Paul, MN Patricia Tung, Boston, MA Dan Pierce, Columbia, MO James E. Ip, New York, NY Todd Lewis, Augustine, FL David Henderson, Daytona Beach, FL Peter Noseworthy, Rochester, MN James Liu, Charlotte, NC Nolan Mayer, Ventura, CA Hanh Bui, Vista, CA Christopher Schulze, Yardlev, PA Aamer Qureshi. Charlotte. NC Mark Napoli, Monroe, LA Adel Mina, Peoria, IL Huy Phan, Gilbert, AZ Rajesh Kabra, Memphis, TN Mario Gonzalez, Hershey, PA Abraham Jacob, Plano, TX

ACC. 20

Tamas Balogh, Mount Airy, NC Ronald Polinsky, Wyomissing, PA Gregory Fazio, York, PA Jeff Hsing, Corvallis, OR Thomas R. Kambur, Charlotte, NC David E. Schleinkofer, Fort Wayne, IN Manuel Sanchez, Hialeah, FL Steven Isserman, Morganton, NC Faizan Iftikhar, McKinney, TX Syed Jafri, Allen Park, MI Felix Sogade, Macon, GA Craig McPherson, Bridgeport, CT Sean Donahoe, Riverhead, NY Antonio Blanco. Miami, FL Praveen Rao. Dallas. TX **Richard Kuk**, Lynchburg, VA Ethan Levine, Rapid City, SD Greg Olsovsky, Temple, TX Ramandeep Brar, Los Alamitos, CA Stephen Devenport, Riverton, UT Andres Vasquez Donado, Houston, TX Mohan Viswanathan, Stanford, CA Adam Lottick, Trumbull, CT Charles Joyner, Richmond, VA Khalid Ahmed. Flint. MI Brian Ramza, Kansas City, MO Srivani Ambati, Apex, NC Jorge Cheirif, Dallas, TX Joseph Moran, Statesville, NC

Mirel Sanchez, Miami, FL Sander Fernandez, Orlando, FL Giselle Debs-Perez, North Miami Beach, FL Luis Mas. Cutler Bav. FL Kenneth Ellenbogen, Richmond, VA Gaurang Gandhi, Cincinnati, OH Javier E. Banchs, Round Rock, TX Ayham Shneker, San Antonio, TX Patrick Weston, Bradenton, FL Andrea Natale, Austin, TX Harinder Gogia, Anaheim, CA Paris Bradsford, Beaumont, TX Michele Cook, Coeur D'Alene, ID Michael Rosenberg, Aurora, CO Richard Beasley, Rapid City, SD Idania Fernandez, Hialeah, FL William Randall, Dayton, OH Johnny Dy, Lenoir, NC

CANADA

John Vyselaar, North Vancouver, BC Benoit Coutu, Montréal, QC Daniel Savard, St-Jean-sur-Richelieu, QC Jean-Francois Roux, Sherbrooke, QC Matthew Bennett, Vancouver, BC A. Shekhar Pandey, Cambridge, ON Ariane Lemiux, Lévis, QC Blandine Mondésert, Montréal, QC James Cha, Oshawa, ON Sebastien-Xavier Joncas, Quebec, QC Raja Chehayeb, Greenfield Park, QC Jeffrey Sean Healey, East Hamilton, ON Yves Pesant, St. Jerome, QC Frank Halperin, Kelowna, BC Stephen Wilton, Calgary, AB Sherryn Roth, Scarborough, ON Marc Deyell, Vancouver, BC Atilio Costa-Vitali, Sudbury, ON Joseph Berlingieri, Burlington, ON Kapil Bhagirath, Surrey, BC

ARGENTINA

Maximiliano Sicer, Santa Fe Luis Ignacio Mondragón, Caba Sonia Sassone, Buenos Aires Rubén Omar García Durán. Buenos Aires Alberto Liberman, Cordoba Fernando Botto, Buenos Aires Gabriela Carnero, Salta Maria Leonor Parody, Cordoba Matias Lugo. Buenos Aires Ignacio MacKinnon, Buenos Aires Carlos Cuneo, Salta Oscar Montaña, Buenos Aires Andrés Alvarisqueta, Buenos Aires Guillermo Caime. Buenos Aires Marisa Liliana Vico, Buenos Aires Luis Domingo Pozzer, Corrientes Martin Horacio Koretzky, Buenos Aires Diego Martinez, Cordoba

Fernando Colombo Berra, Buenos Aires BRAZIL

Ana Claudia Venancio, Minas Gerais Jamil Abdalla Saad, Minas Gerais Wladmir Saporito, Sao Paulo Christiano de Luca Nassif, Sao Paulo Luiz Carlos Santana Passos, Bahia Mauricio Scanavacca, Sao Paulo Audes Feitosa, Pernambuco Benhur Henz, Distrito Federal Yorghos Michalaros, Minas Gerais Eduardo Ramacciotti, Sao Paulo Rodrigo Alves da Silva, Minas Gerais Jose Francisco Kerr Saraiva, Sao Paulo Juliano Novaes Cardoso. Sao Paulo Fabio Tuche, Rio de Janeiro Heron Rhydan Saad Rached, Sao Paulo Eduardo Bartholomay, Rio Grande do Sul Maria Vidotti, Sao Paulo Mauro Esteves Hernandes. Sao Paulo Adalberto Menezes Lorga Filho, Sao Paulo Aquinaldo Freitas Junior, Sao Paulo

COLOMBIA

Ricardo Leon Fernandez Ruiz, Antioquia Fernando Manzur, Bolivar Juan Fernando Carvajal Estupiñan, Santander Franklin Quiroz, Santander Attallah Antonio Rizcala Muvdi, Atlantico Gregorio Sanchez Vallejo, Armenia



NODE-303: Multi-Center, Multi-National, Open-Label, Safety Study of Etripamil Nasal Spray for Patients With Paroxysmal Supraventricular Tachycardia



Now published online:

James E. Ip, MD¹; Benoit Coutu, MD²; John H. Ip, MD³; Peter A. Noseworthy, MD, MBA⁴; Maria L. Parody, MD⁵; Farhad Rafii, MD⁶; Samuel F. Sears, PhD⁷; Narendra Singh, MD⁸; Bruce Stambler, MD⁹; Naeem K. Tahirkheli, MD¹⁰; Juan Agudelo Uribe, MD¹¹; Sarah Omodele, DNP, FNP¹²; Silvia Shardonofsky, MD¹²; David B. Bharucha, MD, PhD¹²; A. John Camm, MD¹³

(1) Weill Cornell Medical Center, New York Presbyterian Hospital, New York, USA (2) Montréal University Hospital Center, Montréal, QC, Canada (3) Edward W. Sparrow Hospital Association, Sparrow Thoracic and Cardiovascular Institute, Lansing, MI, USA (4) Mayo Clinic, Rochester, MN, USA (5) Hospital San Roque, San Roque, Argentina (6) Interventional Cardiology Medical Group, West Hills, CA, USA (7) East Carolina University, Psychology and Cardiovascular Sciences, Greenville, NC, USA (8) NSC Research Center, Johns Creek, GA, USA (9) Piedmont Heart Institute, Atlanta, GA, USA (10) Oklahoma Heart Hospital, Oklahoma City, OK, USA (11)Clinical CardioVID, Medellin, Colombia (12) Milestone Pharmaceuticals, Montréal, QC, Canada (13) St George's University of London, London, United Kingdom

