UNITED STATES SECURITIES AND EXCHANGE COMMISSION

Washington, D.C. 20549

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): **June 2, 2021**

MILESTONE PHARMACEUTICALS INC.

(Exact name of registrant as specified in its charter)

	02	001 20000	N-4
(Québec (state or other jurisdiction of incorporation)	001-38899 (Commission File Number)	Not applicable (I.R.S. Employer Identification No.)
	1111 Dr. Frederik-Philips Boulevard, Suite 420 Montréal, Québec CA (Address of principal executive offices)		H4M 2X6 (Zip Code)
	Registrant's te	elephone number, including area code: (514)	336-0444
	(<u>Former na</u>	nme or former address, if changed since last	r <u>eport.)</u>
	the appropriate box below if the Form 8-K filing is sions (see General Instruction A.2. below):	intended to simultaneously satisfy the filing	obligation of the registrant under any of the following
	Written communications pursuant to Rule 425 under	er the Securities Act (17 CFR 230.425)	
	Soliciting material pursuant to Rule 14a-12 under t	he Exchange Act (17 CFR 240.14a-12)	
	Pre-commencement communications pursuant to R	tule 14d-2(b) under the Exchange Act (17 Cl	FR 240.14d-2(b))
	Pre-commencement communications pursuant to R	tule 13e-4(c) under the Exchange Act (17 CF	FR 240.13e-4(c))
Secur	ities registered pursuant to Section 12(b) of the Act:		
	Title of each class Common Shares	Trading Symbol(s) MIST	Name of each exchange on which registered The Nasdaq Stock Market LLC

Indicate by check mark whether the registrant is an emerging growth company as defined in 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 ⊠

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.

Item 8.01. Other Events.

On June 2, 2021, Milestone Pharmaceuticals, Inc. (the "Company") updated its corporate presentation that it intends to use in connection with presentations at conferences and meetings. The full text of the Company's corporate presentation is filed as Exhibit 99.1 hereto and incorporated herein by reference.

Item 9.01. Financial Statements and Exhibits.

(d) Exhibits.

	Exhibit	
	No.	Description
99.1		Corporate Presentation dated June 2, 2021

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.

MILESTONE PHARMACEUTICALS INC.

By: /s/ Amit Hasija

Amit Hasija Chief Financial Officer

Dated: June 2, 2021



Disclaimers



The Presentation contains forward-looking statements within the meaning of the safe harbor provisions of the Private Securities Litigation Reform Act of 1995, as amended. Words such as "aim," "anticipate," "assume," "believe," "contemplate," "continue," "could," "design," "due," "estimate," "expect," "goal," "intend," "may," "objective," "plan," "predict," "positioned," "potential," "project," "seek," "should," "target," "will," "would" (as well as other words or expressions referencing future events, conditions or circumstances) are intended to identify forward-looking statements. These forward-looking statements are based on Milestone's expectations and assumptions as of the date of this Presentation. Each of these forward-looking statements involves risks and uncertainties. Actual results may differ materially from these forward-looking statements. Forward-looking statements contained in this Presentation include statements regarding (i) the design, progress, timing, scope and results of the etripamil clinical trials in PSVT and AFib-RVR, (ii) the possibility that data will support FDA approval, (iii) the potential market size and the rate and degree of market acceptance of etripamil and any future product candidates, and (iv) the sufficiency of Milestone's capital resources. Important factors that could cause actual results to differ materially from those in the forward-looking statements include, but are not limited to, the risks inherent in biopharmaceutical product development and clinical trials, including the lengthy and uncertain regulatory approval process, uncertainties related to the timing of initiation, enrollment, completion and evaluation of clinical trials, including the RAPID and ReVeRA trials, and whether the clinical trials will validate the safety and efficacy of etripamil for PSVT, Aibb-RVR, or other indications, among others, as well as risks related to pandemics and public health emergencies, including those related to COVID-19, and risks related the sufficiency of our capital resources

This Presentation contains trademarks, trade names and service marks of other companies, which are the property of their respective owners. Certain information contained in this Presentation and statements made orally during this Presentation relate to or is based on studies, publications, surveys and other data obtained from third-party sources and Milestone's own internal estimates and research. While Milestone believes these third-party studies, publications, surveys and other data to be reliable as of the date of the Presentation, it has not independently verified, and makes no representation as to the adequacy, fairness, accuracy or completeness of, any information obtained from third-party sources. In addition, no independent sources has evaluated the reasonableness or accuracy of Milestone's internal estimates or research and no reliance should be made on any information or statements made in this Presentation relating to or based on such internal estimates and research.

Milestone (Nasdaq: MIST) - Corporate Highlights



Phase 3 Cardiovascular Company



Targeting Large Areas of Unmet Need

- ✓ PSVT
- ✓ AFib-RVR
- Additional pipeline opportunities



Paradigm-Changing Approach

- Etripamil novel calcium channel blocker (IP protection until 2036)
- Shift from the ED to patient self-management



Recent Events Position for Future Success

- First Phase 3 study findings and FDA guidance in PSVT
- Next Pivotal Phase 3 efficacy result in PSVT expected by 2H 2022
- Financial runway expected through mid-2023

 $PSVT = Paroxysmal \ Supraventricular \ Tachycardia; \ AFib-RVR = Atrial \ Fibrillation \ with \ Rapid \ Ventricular \ Rate; ED = Emergency \ Department \ AFib-RVR = Atrial \ Fibrillation \ with \ Rapid \ Ventricular \ Rate; ED = Emergency \ Department \ AFib-RVR = Atrial \ Fibrillation \ with \ Rapid \ Ventricular \ Rate; ED = Emergency \ Department \ AFib-RVR = Atrial \ Fibrillation \ with \ Rapid \ Ventricular \ Rate; ED = Emergency \ Department \ AFib-RVR = Atrial \ Fibrillation \ with \ Rapid \ Ventricular \ Rate; ED = Emergency \ Department \ AFib-RVR = Atrial \ Fibrillation \ with \ Rapid \ Ventricular \ Rate; ED = Emergency \ Department \ AFib-RVR = Atrial \ Fibrillation \ With \ AFib-RVR = Atrial \ Fibrillation \ With \ AFib-RVR = Atrial \ AFib-R$

PSVT & AFib-RVR Populations



		PSVT	Atrial Fibrillation
202	Total Patients (2016)	2 Million ⁴	5 Million ¹ (expected to grow to 7-12M by 2030 ^{1,3})
F	Discharged ED Visits & Hospital Admissions (2016) ²	145 Thousand	785 Thousand
Ø	Target Market Addressable (Patient Population)	0.8 – 1.2 Million ⁶	2 Million ⁵

Source(s): 1. Khavjou, et al., Projections of Cardiovascular Disease Prevalence and Costs: 2015–2035, American Heart Association, November 2016. 2. HCUPED & Admissions Data (2016), accessed January 2021. 3. Colilla S, et al., Am J Card. 2013 112:1142–1147. 4. Sacks, N.C., et al., 23rd World Congress on Heart Disease (Boston 2018). 5. 40% of AF patients have >1 symptomatic episode per year of AF with RVR requiring treatment, Triangle Insights Group Market Research, N=25, January 2021. 6. 40-65% of PSVT patients have >1 episodes of PSVT requiring an ED visit, or having episodes lasting >10 minutes, or are on chronic prophylaxis for PSVT. Estimates based on internal market research and longitudinal analysis of claims data.

Supraventricular Tachycardias with a Common Patient Burden



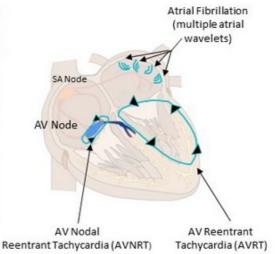
Patients with PSVT and AFib-RVR report feeling a loss of control

PSVT (AVNRT and AVRT)	AFib-RVR (a subset of AFib)
Regular rapid heart rate	Irregular rapid heart rate
150 - 250 bpm	110 - 175 bpm
Episode frequency and	duration is highly variable

Common Symptoms Include Heart palpitations / Chest pressure or pain Shortness of breath / Fatigue Light-headedness / Anxiety

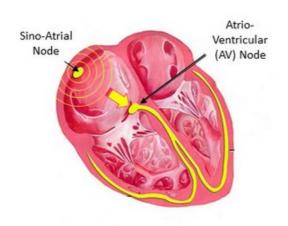


Sources: adapted from https://en.ecgpedia.org/index.php?title=Supraventricular_Rhythms, accessed 2/2021



Role of Intravenous L-Type Calcium Channel Blockers







IV CCBs like verapamil or diltiazem slow conduction over the AV node...

for PSVT

...to break the tachycardia and return the heart to sinus rhythm

for AFib-RVR

...to reduce the ventricular rate while still in AFib

CCBs = Calcium Channel Blockers; PSVT = Paroxysmal Supraventricular Tachycardia; AFib-RVR = Atrial Fibrillation with Rapid Ventricular Rate; IV = intravenous CCBs = Calcium Channel Blockers; PSVT = Paroxysmal Supraventricular Tachycardia; AFib-RVR = Atrial Fibrillation with Rapid Ventricular Rate; IV = intravenous CCBs = Calcium Channel Blockers; PSVT = Paroxysmal Supraventricular Tachycardia; AFib-RVR = Atrial Fibrillation with Rapid Ventricular Rate; IV = intravenous CCBs = Calcium Channel Blockers; PSVT = Paroxysmal Supraventricular Tachycardia; AFib-RVR = Atrial Fibrillation with Rapid Ventricular Rate; IV = intravenous CCBs = Calcium Channel Blockers; PSVT = Paroxysmal Supraventricular Tachycardia; AFib-RVR = Atrial Fibrillation with Rapid Ventricular Rate; IV = intravenous CCBs = Calcium CCBs = Ca

Potential Paradigm-Changing Treatment to Empower Patient Control of their Condition



Issues with the current standard of care in the Emergency Department (ED)



- Time consuming
- Anxiety provoking
- Costly
- Often results in a hospital admission
- Experienced by patients as a loss of control

Intervention used by the patient whenever & wherever an episode occurs





- · Reduces ED visits / hospital admissions
- · Less need for chronic medications
- · Alternative or bridge to ablation procedure

Etripamil Nasal Spray is Designed to be Fast, Convenient, and Empowering

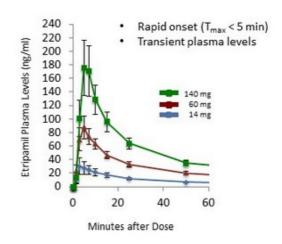


Prospectively designed to treat common tachycardias outside the Emergency Department (ED)



Etripamil	
Class	Novel CCB
Potency (IC ₅₀)	11 nM
Metabolism	Rapid: Esterase-mediated

- Clinically-validated mechanism
 - Calcium channel blockers (CCBs) slow conduction over the AV node
- Rapid onset of action
- Convenient patient self-administered nasal spray
- Short duration of action



Error bars indicate standard error of the mean

AV = Atrio-ventricular

Milestone Corporate Overview

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Clinical Program for Etripamil Enrolling Phase 2, Phase 3, and Safety



Phase 3 program designed to support NDA filing in PSVT while concurrently building safety database and running Phase 2 ReVeRA to support AFib-RVR program

NODE-1	ReVeRA
PSVT	AFib-RVR
Phase 2	Phase 2
Efficacy	Efficacy POC
Published	Enrolling
Electrophysiology	Emergency
Lab	Department
N= 104	N=50
1:1 randomized	1:1 randomized

NODE-301 PSVT	RAPID PSVT	NODE-303/302 PSVT
Phase 3	Phase 3	Phase 3
Efficacy	Efficacy	Safety
Complete	Enrolling	Enrolling/ Complete
At-home	At-Home	At-Home
N=419 2:1 randomized	N~500 1:1 randomized	N ~1000 Open label

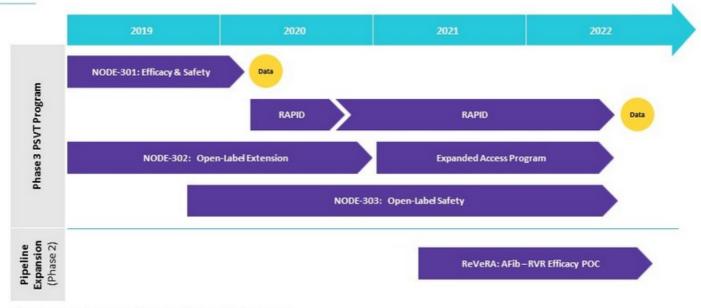
POC = Proof of Concept; AFib-RVR = Atrial Fibrillation with Rapid Ventricular Rate; PS/T = Paroxysmal Supraventricular Tachycardia

Milestone Corporate Overview

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Development Plan for Etripamil





AFib-RVR = Atrial Fibrillation with Rapid Ventricular Rate; POC = Proof of Concept

Milestone Corporate Overview

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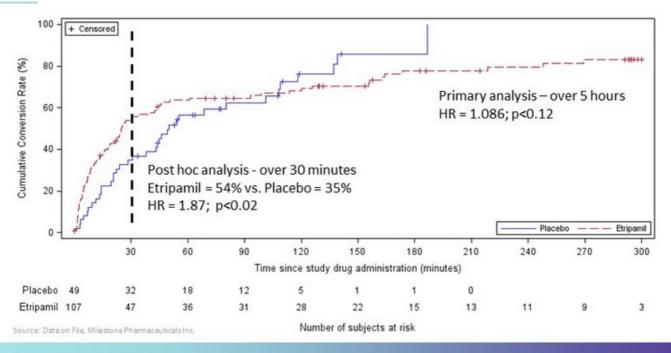


NODE-301 patients on drug had no serious adverse events

Test Dose Randomization Event Primary Efficacy Analysis 70 mg dose 70 mg etripamil: placebo 1. Patient recognizes ECG of event is adjudicated for PSVT; only PSVT events symptoms Administer in office 2. Apply cardiac count in primary efficacy while in sinus rhythm Primary Endpoint = PSVT monitor (ECG) (N=419) for safety evaluation 3. Attempt vagal conversion to SR Kaplan Meier analysis over 5 hours maneuver 4. Administer · Powering: 90%, alpha study drug <0.01; delta = 40% Study concluded when 150 (N=198) confirmed PSVT events reached (N = 156)

NODE-301 Kaplan-Meier Plot of Conversion to Sinus Rhythm





NODE-301 Safety Analysis



Randomized Treatment Emergent Adverse Events (RTEAE)	Etripamil N=138 (%)	Placebo N=60 (%)
Subjects with any RTEAE	53 (38.4)	12 (20.0)
Maximum severity of RTEAE		
Mild	45 (32.6)	10 (16.7)
Moderate	8 (5.8)	3 (3.3)
Severe	0 (0.0)	0 (0.0)
Most Common Adverse Events (>5%)	W 100	1107 10
Nasal discomfort	27 (19.6)	4 (6.7)
Nasal congestion	11 (8.0)	2 (3.3)
Epistaxis	9 (6.5)	0 (0.0)
Rhinorrhea	8 (5.8)	1 (1.7)
Throat irritation	7 (5.1)	1 (1.7)

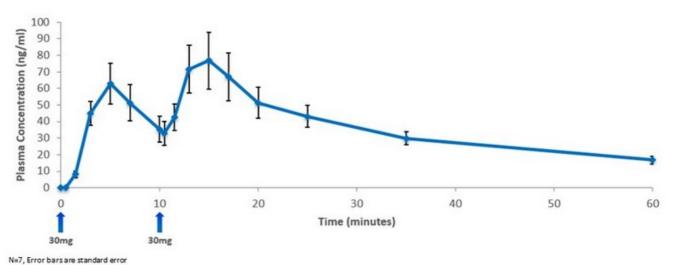
RTEAE timing: up to 24 hours following double-blind study drug administration

Source: Data on File, Milestone Pharmaceuticals Inc.

PK of Etripamil 30 mg Repeat Administration at T=10 min (Study MSP-2017-1096)

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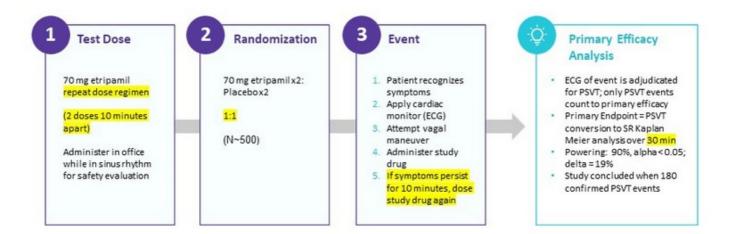
Repeat administration increases both Cmax and AUC



Source: Data on File, Milestone Pharmaceuticals Inc.

RAPID Study Design





includes ~30 events expected to be treated with the single dose double-blind study drug administration from NODE-301 patients who experienced an event prior to the RAPID study being available

Clinical Program for Etripamil Enrolling Phase 2, Phase 3, and Safety



Phase 3 program designed to support NDA filing in PSVT, while concurrently building safety database and running Phase 2 ReVeRA to support AFib-RVR program

NODE-1	ReVeRA
PSVT	AFib-RVR
Phase 2	Phase 2
Efficacy	Efficacy POC
Published	Enrolling
Electrophysiology	Emergency
Lab	Department
N= 104	N=50
1:1 randomized	1:1 randomized

NODE-301 PSVT	RAPID PSVT	NODE-303/302 PSVT
Phase 3	Phase 3	Phase 3
Efficacy	Efficacy	Safety
Complete	Enrolling	Enrolling/ Complete
At-home	At-Home	At-Home
N=419 2:1 randomized	N~500 1:1 randomized	N~1000 Open label

The ReVeRA Trial



Reduction of Ventricular Rate in Patients with Atrial Fibrillation

Presents to ED with episode of AFib-RVR

Inclusion:

- Atrial Fibrillation ≥ 1 hour
- Ventricular Rate ≥ 110 bpm

Select Exclusions:

- · Treated with antiarrhythmic drugs
- Hemodynamically unstable
- Heart failure



- Baseline ECG for ≥ 10 min
- Administer study drug
 70 mg etripamil: Placebo (1:1)
- 3. Monitor in-patient for 1 hour
- 4. Discharge
- 5. Six-hour remote cardiac monitor
- Complete safety 24 hours post dose



Efficacy Analysis

- Primary: Maximum reduction in ventricular rate within 60 min
 - N=50: 90% powered to detect 20 bpm difference in max reduction, α=0.05;
- Time from drug administration to lowest ventricular rate
- Time to and duration of ventricular rate reductions
 - <100 bpm, ≥ 10% reduction, ≥ 20% reduction
- Patient satisfaction with treatment (TSQM-9)

CHADs 0 = No Heart Failure/No Hypertension/Age < 65/No Diabetes/No History of Stroke or TIA/No Coronary ischemic disease; OAC, or all anti-coagulant; RVR, Rapid Ventricular Rate; TSQM-9, Treatment Satisfaction Questionnaire for Medication; ED = Emergency Department



Commercial Opportunity

Etripamil – Addressing Market Needs in PSVT and AFib-RVR



Potential for high receptivity to etripamil across stakeholders

Future with Etripamil - a Potentially Better Treatment Option



Patient

- Self-management of acute episodes
- Reduces ED visits/hospital admissions



Physicians (Cards, EPs, PCPs)

- · Better risk/benefit profile
- Expected to have significant adoption in unablated patients



Pavor

- Reduction in ED/hospital admissions
- Improvement in patient satisfaction

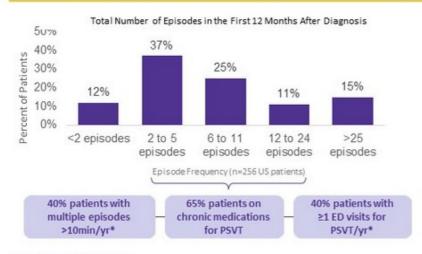
Cards = Cardiologists, EPs = Electrophysiologists, PCPs = Primary Care Providers, SVT = Supraventricular Tachycardia, ED = Emergency Department (Card Supraventricular Card Su

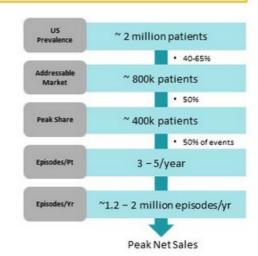
Sources: Internal market research

Projected US Market for Etripamil in PSVT



Market research suggests utilization of 1-2 million doses of etripamil in peak year for PSVT





TAM = Target Addressable Market

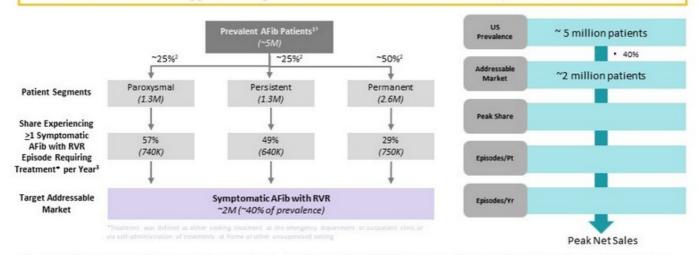
*Estimates are for patients in year after initial diagnosis; rates drop by 13-29% in years following their initial diagnosis

Sources: Internal estimates based on market research, Milestone Pharmaceuticals Inc

Projected US Market for Etripamil in AFib-RVR



Market research suggests a target addressable market of ~ 2 million patients for AFib-RVR

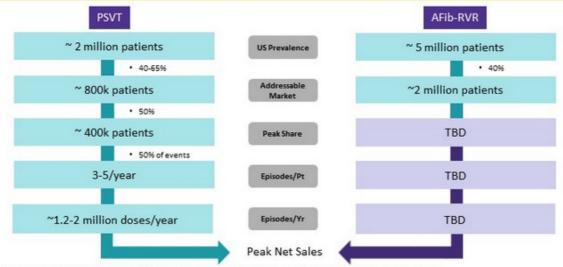


1. Colilla et al., Am. J. Cardiol. 2013, 112(8), 1142-1147; 2. Zoni-Berisso et al., Clin. Epidemiol., 2014, 6, 213-220; Benjamin et al., Circulation, 2019, 139, e56-e528; Go et al., JAMA, 2001, 285(18), 2370-2375; Turakhia et al., PLOS ONE, 2018, 13(4), e0195088; Komej et al. Circ. Res., 2020, 127, 4-20; Miyasaka et al., Circulation, 2006, 114, 119-125; Naccarelli et al., Am. J. Cardiol., 2009, 104(11), 1534-1539; Williams et al., Am. J. Cardiol., 2017, 120(11), 1961-1965; Ball et al., Int. J. Cardiol., 2013, 5(1), 1807-1824; 3. Primary Research Interviews conducted by Triangle Insights, January-February 2021, Clinical Cardiologists (n=9), Interventional Cardiologists (n=6), and Electrophysiologists (n=10)

Projected US Market for Etripamil in Arrhythmias (PSVT and AFib-RVR)







PSVT = Paroxysmal Supraventricular Tachycardia; AF-RVR = Atrial Fibrillation with Rapid Ventricular Rate; TAM = Target Addressable Market PSVT = Paroxysmal Supraventricular Tachycardia; AF-RVR = Atrial Fibrillation with Rapid Ventricular Rate; TAM = Target Addressable Market PSVT = Paroxysmal Supraventricular Tachycardia; AF-RVR = Atrial Fibrillation with Rapid Ventricular Rate; TAM = Target Addressable Market PSVT = Paroxysmal Supraventricular Rate; TAM = Target Addressable Market PSVT = Paroxysmal Supraventricular Rate; TAM = Target Addressable Market PSVT = Paroxysmal Supraventricular Rate; TAM = Target Addressable Market PSVT = Paroxysmal Supraventricular Rate; TAM = Target Addressable Market PSVT = P

Sources: Internal estimates based on market research, Milestone Pharmaceuticals Inc

Milestone Corporate Overview

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Proforma cash \$149.9M²

- \$129.9M in Cash as of March 31, 2021
- \$20M in Equity and Upfront cash from Ji Xing deal



Cash funds operations past guidance for top-line data and into mid-2023



Equity - 42.1M³ in shares and pre-funded warrants outstanding

- 29.8M common shares
- 11.4M pre-funded warrants
- 0.9M pre-funded warrants, in RTW private placement³

1) Adjusted to reflect financing events through May 17, 2021; 2) \$129.9M as of March 31, 2021, plus \$15.0M in upfront payments from Ji Xing Pharmaceuticals under license agreement and \$5.0M in equity investment from RTW Investments, LP; 3) Includes pre-funded warrants to purchase 910,746 common shares issued to RTW Investments, LP.

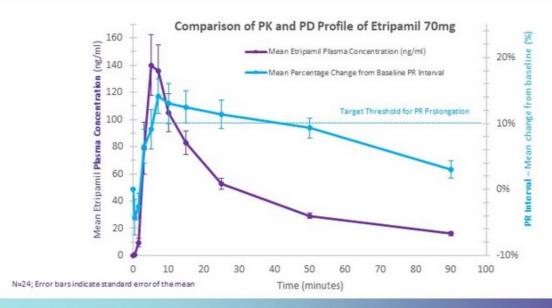


Thank you

Etripamil Nasal Spray Pharmacological Results (NODE-102)



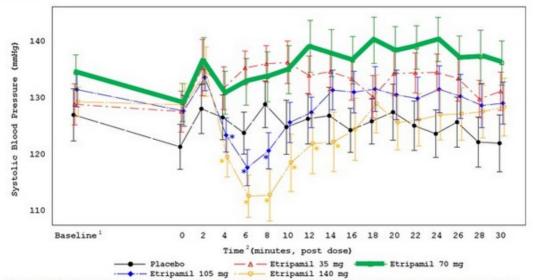
Anticipated therapeutic effect within 45 minutes; peak within 10 minutes



Phase 2 Mean Systolic Blood Pressure Effects



70 mg of etripamil showed no decrease in blood pressure; higher doses transient decreases



Baseline is defined as the average of the 20-min and 10-min pre-dose measurements. Time 0 is defined as the average of the measurements during supraventricular tachycardia between 5 and 0 min before study drug administration. *p < 0.05 versus baseline.

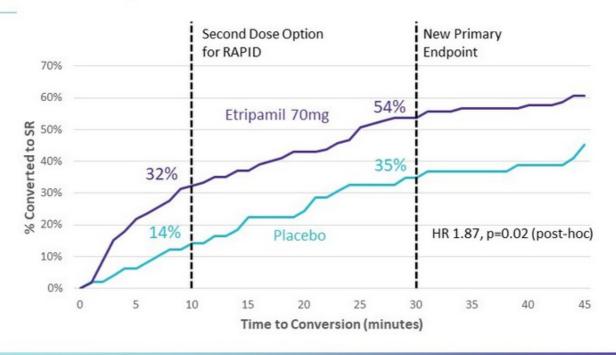
Source: Stambler, B.S. et al., Etripamil Nasal Spray for Rapid Conversion of Supraventricular Tachycardia to Sinus Rhythm; J Am Coll Cardiol. 2018;72(5):489-97

Milestone Corporate Overview

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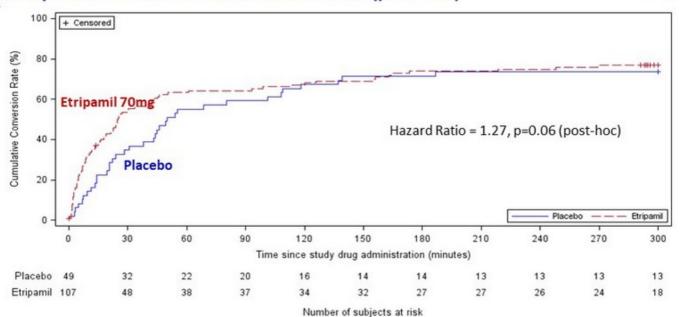
NODE-301 Efficacy- Time to Conversion over 45 Minutes





NODE-301 Conversion up to Hour 5 with Medical Intervention Patients Analyzed as Treatment Failures at 5 hours (post-hoc)





Subjects who convert following medical assistance are censored at 5 hours. Subjects who present missing data from time to the end are censored at the time of last available data. Subjects who do not convert or are not censored before 5 hours are censored at 5 hours.

PSVT Patient Characteristics

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- · Age: teens to elderly
- · Gender: majority are female
- Episode frequency and duration varies widely
 - Median 4-7 per year despite chronic medications
 - Almost 40% of patients have at least 2 episodes/year >10 min*
- Cardiovascular comorbidities in about half of patients
- 40% of patients have ≥ 1 ED visit per year*



Unmet Need

- Strongly negative experience associated with adenosine in ED
- Significant anxiety/fear of ablation
- Many patients indicate "significant impact" on QOL

*Estimates are for patients in year after initial diagnosis; rates drop by 13-29% in years following their initial diagnosis:

Sources: Internal estimates based on market research and longitudinal analysis of Truver/Marketscan and Medicare claims data



Total annual US healthcare expenditures of ~\$3B

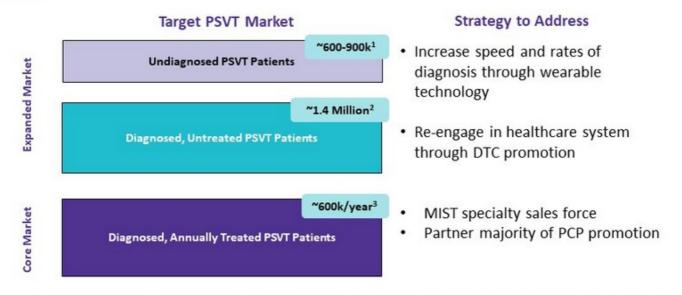
- Prevalence ~2M diagnosed PSVT patients
- ~300K newly diagnosed per year
- ~600K patients treated per year
- >150K ED/hospital visits per year
- ~80K ablations per year



Source: Sacks, N.C. et al; Prevalence of Paroxysmal Supraventricular Tachycardia (PSVT) in the US in Patients Under 65 Years of Age; Abstract and Oral Presentation at the International Academy of Cardiology Annual Scientific Sessions 2018, 23rd World Congress on Heart Disease; Precision Xtract, Boston, MA, USA; and data-on-file from IBM Marketscan® Commercial Research Database (<65y) and the Medicare Limited Dataset (265y), with demographic, enrollment and daims data for commercially insured (Truven) and Medicare covered patients using PSVT code 427.0 or 147.1 for up to a 9-year interval between 2008 and 2016 inclusive.

Core PSVT Market is Addressable Now, with Potential for Expansion





Source: 1) assumes annual incidence rate for PSVT of ~300k from longitudinal claims analysis and the average time to diagnosis (currently 2-3 years) can be reduced to <6 months 2) Calculated as the difference between PSVT prevalence of 2M and annual treatment rate of ~600k from Truven MarketScan data, 2008-2016 analyzed by Precision Xtract, 2019 3) Estimated number of unique patients with annual claims for PSVT from Truven MarketScan data, 2008-2016 analyzed by Precision Xtract, 2019.

Corporate Presentation 31

PSVT Patient Management and Call Point Targeting



Majority of PSVT patients managed by CV specialists, leading to commercial efficiencies

		Clinical Cardiologists	Primary Care Physicians	Electro- physiologists
% of PSVT pation	ents managed	~60%	~30%	~10%
Long-term Use	Add to or Replace Chronic Medications	Primary Target		
Medium-term Use	Defer Ablation			Secondary
Short-term Use	Bridge to Ablation			Target

- · Targeted sales force to reach majority of available opportunity
- Significant overlap with most common CV portfolio call points

Source: Internal market research

Estimating Prevalence, Incidence, and Annually Treated Patients Using Longitudinal Claims Data



- Analyzed commercial and Medicare claims data over a 9-year period, where patients were required to have 5 years of continuous enrollment
 - √ 1+ PSVT code required in the ED or inpatient setting (unique patients managed acutely)
 - √ 2+ PSVT codes required in the outpatient setting (additional unique patients managed chronically)

Age Group	Year 1	Year 2	Year 3	Year 4	Year 5	Total
Age < 65	271,024	196,653	169,988	155,966	145,485	939,116
Age 65+	377,493	220,596	209,358	188,925	166,286	1,162,658
All Ages	648,518	417,249	379,346	344,891	311,771	2,101,775
	Annually Treated PSVT Patients		Incident PS Patients			Prevalent PSV Patients

Source: Data on file from IBM Marketscan® Commercial Research Database (<65y) and the Medicare Limited Dataset (265y), with demographic, enrollment and claims data for commercially insured (Truven) and Medicare covered patients using PSVT code 427.0 or 147.1 for up to a 9-year interval between 2008 and 2016 inclusive.

Published Disease Data Likely Under-Reports Burden of PSVT





Strengths

- Provides important demographic and clinical characteristic data on patients with PSVT
- Positive Predictive Values from PREEMPT useful
- Less than 40% of incident cases in MESA would have been detected by PSVT ICD-9 Code 427.0

Weaknesses

- Data only from patients presenting to healthcare settings acutely, with the episode confirmed on ECG during the encounter
- PSVT episodes were only adjudicated during the first healthcare encounter with a PSVT or PSVTrelated code in PREEMPT
- Non-representative, small, and non-contemporary population (MESA)

Source: Orejarena LA, Vidaillet H Jr, DeStefano F, Nordstrom DL, Vierkant RA, Smith, PN, Hayes JJ. Paroxysmal supraventricular tachycardia in the general population. J Am Coll Cardiol. 1998;31:150–157. Alan S. Go, MD; Mark A. Hlatky, MD; Taylor I. Liu, MD, PhD; Dongjie Fan, MSPH; Elisha A. Garcia, BS; Sue Hee Sung, MPH; Matthew D. Solomon, MD, PhD. Contemporary Burden and Correlates of Symptomatic Paroxysmal Supraventricular Tachycardia. J Am Heart Assoc. 2018;7:e008759. DOI: 10.1161/JAHA.118.008759.