

NASDAQ: CORV TSX: CORV

U.S. FDA ACCEPTS CORREVIO'S RESUBMITTED NEW DRUG APPLICATION FOR BRINAVESS (VERNAKALANT)

NDA Seeks Approval for Brinavess for the Treatment of Recent Onset Atrial Fibrillation; PDUFA Date Set for December 24, 2019

Company Also Reports Certain Preliminary Financial Results for Second Quarter 2019

Vancouver, Canada, July 25, 2019 – Correvio Pharma Corp. (NASDAQ: CORV) (TSX: CORV), a specialty pharmaceutical company focused on commercializing hospital drugs, today announced that the U.S. Food and Drug Administration (FDA) has accepted for review the resubmitted New Drug Application (NDA) for Brinavess™ (vernakalant hydrochloride, IV), an antiarrhythmic drug for the rapid conversion of recent onset atrial fibrillation (AF) to sinus rhythm in adult patients. The FDA assigned a target action date of December 24, 2019 under the Prescription Drug User-Fee Act (PDUFA). In its acceptance letter, the FDA stated that it is currently planning to hold an advisory committee meeting to discuss this application.

“The FDA’s acceptance of this resubmitted NDA marks another important milestone for Correvio and for the global Brinavess program,” said Mark H.N. Corrigan, MD, CEO of Correvio. “As a potential new AF treatment, with a well-characterized efficacy and safety profile, we believe that Brinavess, if approved, will be an attractive addition to the AF treatment landscape. We look forward to working with the FDA during the review process.”

The Company also announced certain preliminary financial results for the second quarter ended June 30, 2019. Revenue for the second quarter is expected to be in the range of \$7.2 to 7.6 million (USD), which represents an approximately 20% increase compared to the second quarter of 2018, despite 5% weakness in the Euro. As of June 30, 2019, Correvio had cash, cash equivalents and unrestricted cash totalling approximately \$12.9 million (USD). The Company will report its full financial results in August.

The Brinavess NDA is supported by data from SPECTRUM, a post-authorization safety study that was conducted in Europe which evaluated 1,778 unique patients across a total of 2,009 treatment episodes following administration of Brinavess. The SPECTRUM data demonstrated that treatment with Brinavess successfully converted 70.2% of those treated AF patients into normal sinus rhythm. In addition, treatment with Brinavess showed a median time to conversion of 11 minutes from the start of the first infusion among patients who successfully converted. The cumulative incidence of health outcomes of interest (defined as significant hypotension, ventricular arrhythmia, atrial flutter, or bradycardia) was reported in 0.8% of patients. Twenty-eight serious adverse events were reported in 26 of the 1,778 patients and no deaths were reported in the study. In addition to SPECTRUM, the Brinavess NDA is supported by nine Phase 3 and Phase 2 clinical trials and over eight years of post-marketing experience in approximately 50,000 treatment patients worldwide. Brinavess has received marketing authorizations in 41 countries outside the U.S.

About Atrial Fibrillation

Atrial Fibrillation (also known as AFib or AF) is a supraventricular tachyarrhythmia with uncoordinated atrial activation resulting in ineffective atrial contraction and if left untreated, structural and/or electrophysiological atrial tissue abnormalities. AF is a common cardiac rhythm disturbance that increases in prevalence with advancing age. According to the American Heart Association, estimates of the prevalence of AF in the U.S. ranged from 2.7 million to 6.1 million in 2010, and is expected to rise to between 5.6 million to 12 million in 2030.

There are two strategies to manage AF, namely, rhythm- or rate-control. A rhythm-control strategy may be used in patients who are severely compromised, remain symptomatic despite adequate rate control, when adequate rate control is difficult to achieve, when long term rhythm control therapy is preferred, younger patient age, presence of tachycardia-mediated cardiomyopathy, and first episode of AF. Early intervention with a rhythm-control strategy to prevent progression of AF may be particularly beneficial to the AF patient.

About Brinavess

Brinavess (vernakalant HCl, IV) is an antiarrhythmic drug that acts preferentially in the atria by prolonging atrial refractoriness and slowing impulse conduction in a rate-dependent fashion. Brinavess is approved for marketing in Europe, Canada and several other countries worldwide. In Europe, it is approved for the rapid conversion of recent onset atrial fibrillation to sinus rhythm in adults: 1) for non-surgery patients: atrial fibrillation < 7 days duration; and 2) for post-cardiac surgery patients: atrial fibrillation <3 days duration. Vernakalant IV is not approved for use in the United States.

About Correvio Pharma Corp.

Correvio Pharma Corp. is a specialty pharmaceutical company focused on providing innovative, high-quality brands that meet the needs of acute care physicians and patients. With a commercial presence and distribution network covering over 60 countries worldwide, Correvio develops, acquires and commercializes brands for the in-hospital, acute care market segment. The Company's portfolio of approved and marketed brands includes: Xydalba™ (dalbavancin hydrochloride), for the treatment of acute bacterial skin and skin structure infections (ABSSSI); Zevtera®/Mabelio® (ceftobiprole medocartil sodium), a cephalosporin antibiotic for the treatment of community- and hospital-acquired pneumonia (CAP, HAP); Brinavess®™ (vernakalant IV) for the rapid conversion of recent onset atrial fibrillation to sinus rhythm; Aggrastat® (tirofiban hydrochloride) for the reduction of thrombotic cardiovascular events in patients with acute coronary syndrome, and Esmocard® and Esmocard Lyo® (esmolol hydrochloride), a short-acting betablocker used to control rapid heart rate in a number of cardiovascular indications. Correvio's pipeline of product candidates includes Trevyent®, a drug device combination that is designed to deliver treprostinil, the world's leading treatment for pulmonary arterial hypertension.

Correvio is traded on the Nasdaq Capital Market (CORV) and the Toronto Stock Exchange (CORV). For more information, please visit our web site www.correvio.com.

Forward-Looking Statement Disclaimer

Certain statements in this news release contain "forward-looking statements" within the meaning of the U.S. Private Securities Litigation Reform Act of 1995 or "forward-looking information" under applicable Canadian securities legislation (collectively, "forward-looking statements"). Forward-looking statements

include statements that may relate to our plans, objectives, goals, strategies, future events, future revenue or performance, capital expenditures, financing needs and other information that may not be based on historical fact. Forward-looking statements can often be identified by the use of terminology such as "believe", "may", "plan", "will", "estimate", "continue", "anticipate", "intend", "expect", "look forward to" and similar expressions. Forward-looking statements are necessarily based on estimates and assumptions made by us based on our experience and perception of historical trends, current conditions and expected future developments, as well as other factors we believe are appropriate.

By their very nature, forward-looking statements involve known and unknown risks, uncertainties and other factors that may cause the actual results, events or developments to be materially different from any future results, events or developments expressed or implied by such forward-looking statements. These forward-looking statements include, but are not limited to, statements relating to; the Company's preliminary financial results for the second quarter of 2019, including expected revenue during that quarter, and the amount of cash, cash equivalents and unrestricted cash held by the Company as of June 30, 2019; the resubmission of a U.S. NDA for Brinavess; the FDA's acceptance of the refiling as a complete resubmission and the FDA's continued willingness to work with the Company on the resubmission. In particular, no statement herein should be understood to mean that: (i) that our resubmission will be deemed to be complete by the FDA; (ii) that the FDA will find our underlying clinical trial data to be acceptable; (iii) that the FDA will find our manufacturing sites acceptable and validate them; or (iv) that our NDA will ultimately be approved by the FDA. Furthermore, the timing of any action by the FDA and possible regulatory paths forward cannot be guaranteed, in that, for example: (i) the FDA plans to hold an Advisory Committee meeting; (ii) the FDA may miss its own required deadlines (including for example, the PDUFA date); and (iii) the FDA may require further information or additional clinical studies. Finally, no statement provided herein should be understood to provide an estimate of the current or future prevalence of atrial fibrillation or the market potential for Brinavess in the United States.

A detailed discussion of the risks and uncertainties facing Correvio are discussed in the annual report and detailed from time to time in our other filings with the Securities and Exchange Commission ("SEC") available at www.sec.gov and the Canadian securities regulatory authorities at www.sedar.com. In particular, we direct your attention to Correvio's Annual Report on Form 40-F for the year ended December 31, 2018 and its quarterly report filed May 8, 2019 for the first quarter of 2019. All of the risks and certainties disclosed in those filings are hereby incorporated by reference in their entirety into this news release.

While Correvio makes these forward-looking statements in good faith, given these risks, uncertainties and factors, you are cautioned not to place undue reliance on any forward-looking statements made in this press release. All forward-looking statements made herein are based on our current expectations and we undertake no obligation to revise or update such forward-looking statements to reflect subsequent events or circumstances, except as required by law. Investors are cautioned that forward-looking statements are not guarantees of future performance and accordingly investors are cautioned not to put undue reliance on forward-looking statements due to their inherent uncertainty.

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