Aptar Pharma's Electronic Lockout Device Approved by EMA

Crystal Lake, Illinois, May 15, 2017

Aptar Pharma, a world leader in innovative drug delivery systems, is pleased to announce the approval by the European Medicines Agency (EMA) of the first integrated electronic nasal lockout device (e-Lockout) following a multi-year development with Takeda Pharmaceuticals International AG. Aptar Pharma agreed to supply Takeda with its e-Lockout device for a multidose nasal spray version of Instanyl®. The EMA has granted marketing authorization for this multidose nasal spray treatment under the name Instanyl DoseGuard™.

This represents a major milestone for Aptar Pharma, with the e-Lockout device being the first and only fully integrated electronic nasal drug delivery device to be approved by a U.S. or European regulatory authority.

Already available in unidose and multidose nasal spray versions, Takeda will launch Instanyl® DoseGuard in Europe in several multidose strengths, all using Aptar Pharma's patented electronic lockout system, which marks another product innovation in the management of breakthrough pain.

Advanced e-Device Technology Ensures Safe Compliance

Instanyl® is a fast-acting nasal opioid approved for relieving breakthrough pain in adult cancer patients already treated with opioids for their usual pain. Breakthrough pain is an additional sudden pain that occurs despite having taken one's usual pain relieving medicines.

Aptar Phama's e-Lockout device uses advanced electronic technology to help patient compliance in the treatment of chronic disease. Aptar Pharma's e-Lockout device is intended to ensure safe patient compliance by limiting the number of doses available during a 24 hour period.

The system's built-in lock-out mechanism prevents the device from being used for a period of time after a pre-defined number of spray actuations. The electronic display shows the number of priming strokes, the number of doses left in the device and whether the nasal spray is locked or ready for use. The e-Lockout also features a child-resistant cap.

Long-term Strategic Partnership with Takeda

The multi-year supply agreement reinforces a long-standing partnership between Takeda and Aptar Pharma, who currently supplies Takeda with unidose and multidose nasal spray devices for Instanyl® in Europe.

Committed to accompanying pharmaceutical companies throughout their product lifecycle management, Aptar Pharma continues to partner to provide customers with innovative and smart solutions to enable safe, convenient and compliant medication delivery.

"This approval and subsequent product launch underscores Aptar Pharma's ability to partner with the pharma industry to bring innovative, compliant and safer devices through the regulatory authorization process," explained Salim Haffar, President, Aptar Pharma. "This is yet another example of Aptar Pharma's expertise and technology at the heart of a new market launch. This is a significant step in strengthening Aptar Pharma's credentials in the electronics and connected health markets. We are pleased to be building on our trusted, long-term partnership with Takeda," he added.

About Aptar Pharma

Aptar Pharma is part of AptarGroup, Inc. (NYSE: ATR), a leading global supplier of a broad range of innovative dispensing and sealing solutions for the beauty, personal care, home care, prescription drug, consumer health care, injectables, food and beverage markets. AptarGroup is headquartered in Crystal Lake, Illinois, with manufacturing facilities in North America, Europe, Asia and South America. For more information, visit aptar.com/pharma.

This press release contains forward-looking statements. Words such as "expects," "anticipates," "believes," "estimates," "future" and other similar expressions or future or conditional verbs such as "will," "should," "would" and "could" are intended to identify such forward-looking statements. Forward-looking statements are made pursuant to the safe harbor provisions of Section 27A of the Securities Act of 1933 and Section 21E of the Securities Exchange Act of 1934 and are based on our beliefs as well as assumptions made by and information currently available to us. Accordingly, our actual results may differ materially from those expressed or implied in such forward-looking statements due to known or unknown risks and uncertainties that exist in our operations and business environment. Additionally, forward-looking statements include statements that do not relate solely to historical facts, such as statements which identify uncertainties or trends, discuss the possible future effects of current known trends or uncertainties or which indicate that the future effects of known trends or uncertainties cannot be predicted, guaranteed or assured. For additional information on these and other risks and uncertainties, please see our filings with the Securities and

Exchange Commission, including the discussion under "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Form 10-Ks and Form 10-Qs. We undertake no obligation to update any forward-looking statements, whether as a result of new information, future events or otherwise.

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