



FOR IMMEDIATE RELEASE

Inspire Medical Systems, Inc. Announces First Implant of New Sensing Lead in Europe

MINNEAPOLIS, October 8, 2018 -- Inspire Medical Systems, Inc. (NYSE: INSP) ("Inspire"), a medical technology company focused on the development and commercialization of innovative and minimally invasive solutions for patients with obstructive sleep apnea (OSA), announced today the first implant of its new sensing lead (model number 4340) in Europe. The implant was successfully completed by Dr. Joachim Maurer, University Hospital, Mannheim, Germany, who has now overseen 80 Inspire therapy cases. Dr. Maurer is an Ear Nose and Throat (ENT) surgeon and Head of the Sleep Disorders Center.

The sensing lead monitors a patient's respiratory pattern as the implanted Inspire system delivers stimulation to the upper airway in order to prevent obstructions during sleep. The new 4340 sensing lead has a significantly smaller profile, including a reduction in diameter of 49 percent, as compared to the prior design. This diminished profile improves patient comfort. The new design also incorporates several features to enhance the ease of implant and reduce surgical time for an ENT surgeon.

"We are pleased to have successfully completed the first case in Europe incorporating the new sensing lead for Inspire therapy," said Dr. Maurer. "The improved features of the sensing lead led to a simpler implant procedure. We continue to view Inspire therapy as a safe and effective treatment for OSA."

Inspire intends to introduce the new sensing lead to other centers in Europe in the near future. Currently, the 4340 sensing lead is under review by the U.S. Food and Drug Administration and, pending clearance, the Company expects the product to be available in the U.S. in early 2019.

About Inspire Medical Systems

Inspire is a medical technology company focused on the development and commercialization of innovative and minimally invasive solutions for patients with obstructive sleep apnea. Inspire's proprietary Inspire therapy is the first and only FDA-approved neurostimulation technology that provides a safe and effective treatment for moderate to severe obstructive sleep apnea.

For additional information about Inspire, please visit www.inspiresleep.com.

Forward Looking Statements

This press release contains forward-looking statements within the meaning of the Private Securities Litigation Reform Act of 1995. All statements other than statements of historical facts are forward-looking statements. In some cases, you can identify forward-looking statements by terms such as "may," "will," "should," "expect," "plan," "anticipate," "could," "future," "outlook," "intend," "target," "project," "contemplate," "believe," "estimate," "predict," "potential," "continue," or the negative of these terms or other similar expressions, although not all forward-looking statements contain these words.

These forward-looking statements are based on management's current expectations and involve known and unknown risks and uncertainties that may cause our actual results, performance or achievements to be materially different from any future results, performance or achievements expressed or implied by the forward-looking statements. Such risks and uncertainties include, among others, estimates regarding the annual total addressable market for our Inspire therapy in the U.S. and our market opportunity outside the U.S., future results of operations, financial position, research and development costs, capital requirements and our needs for additional financing; commercial success and market acceptance of our Inspire therapy; our ability to achieve and maintain adequate levels of coverage or reimbursement for our Inspire system or any future products we may seek to commercialize; competitive companies and technologies in our industry; our ability to expand our indications and develop and commercialize additional products and enhancements to our Inspire system; our business model and strategic plans for our products, technologies and business, including our implementation thereof; our ability to accurately forecast customer demand for our Inspire system and manage our inventory; our ability to expand, manage and maintain our direct sales and marketing organization, and to market and sell our Inspire system in markets outside of the U.S.; our ability to increase the number of active medical centers implanting Inspire therapy; our ability to hire and retain our senior management and other highly qualified personnel; our ability to commercialize or obtain regulatory approvals for our Inspire therapy and system, or the effect of delays in commercializing or obtaining regulatory approvals; FDA or other U.S. or foreign regulatory actions affecting us or the healthcare industry generally, including healthcare reform measures in the U.S. and international markets; and our ability to establish and maintain intellectual property protection for our Inspire therapy and system or avoid claims of infringement. Other important factors that could cause actual results, performance or achievements to differ materially from those contemplated in this press release can be found under the captions "Risk Factors" and "Management's Discussion and Analysis of Financial Condition and Results of Operations" in our Quarterly Report on Form 10-Q for the quarter ended June 30, 2018, as such factors may be updated from time to time in our other filings with the SEC, which are accessible on the SEC's website at www.sec.gov. These and other important factors could cause actual results to differ materially from those indicated by the forward-looking statements made in this press release. Any such forward-looking statements represent management's estimates as of the date of this press release. While we may elect to update such forward-looking statements at some point in the future, unless required by applicable law, we disclaim any obligation to do so, even if subsequent events cause our views to change. Thus, one should not assume that our silence over time means that actual events are bearing out as expressed or implied in such forward-looking statements. These forward-looking statements should not be relied upon as representing our views as of any date subsequent to the date of this press release.

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