



For Release

EarlySense's EverOn[®] Contact-Free, Patient Supervision System Detects Patient Deterioration with Advanced Respiratory Analysis

Clinical study results presented at the American Thoracic Society Conference in New Orleans and at ILSI-Biomed 2010 in Tel Aviv

Ramat Gan, Israel, June 14, 2010 – EarlySense, developer of the EverOn contact-free, patient supervision system for hospital and post acute care, announced today the results of a multicenter study conducted at several hospitals in the United States and Israel. The data were recently made public by Drs. Eyal Zimlichman, Martine Szyper-Kravitz, Howard Amital, and Yehuda Shoenfeld at the American Thoracic Society Conference in New Orleans in a presentation titled, *Recognizing Specific Respiratory Patterns Preceding in Hospital Clinical Deterioration, a Multicenter Study*. The data will also be presented this week at the ILSI-Biomed 2010 conference in Tel Aviv.

The objective of the study was to evaluate the correlation between the different parameters measured by the EverOn system and the detection of patient deterioration in hospitals. More than 200 patients were monitored on the medical/surgical floors of three medical centers with the EverOn system. The results show that by combining the measurements of respiratory rate, heart rate and a new respiratory pattern alert called “Double Respiration Pattern”, patients who are likely to deteriorate are effectively identified. A risk factor of 12.2 was shown for major patient deteriorations, i.e. there was a dramatic 12.2 times greater chance of a major deterioration in patients where the system alerted versus patients where it didn't.

“The double respiration pattern identified in the clinical trial utilizing the EverOn technology is an exciting development that may help identify patient deteriorations early on. It is well known that early identification has a very significant potential impact on improved outcomes in hospitalized patients. This multicenter study showed that the combination of respiratory rate, heart rate and double respiration pattern alerts provide a detection rate of 90% of major patient deteriorations. We look forward to continuing to study this promising technology,” said Dr. Eyal Zimlichman, the leading investigator of the study and a research associate at the Center for Patient Safety Research and Practice, Brigham & Women's Hospital and Harvard Medical School in Boston.

EverOn is a contact-free patient supervision system installed underneath a hospital bed mattress. There are no leads or cuffs to connect to the patient, who has complete freedom of movement and is not burdened by any irritating attachments. The system measures patient vital signs and

movements and alerts medical personnel of the changes in a patient's condition. EverOn detects heart and respiration rates, bed entries and exits, as well as patient movement. EverOn also helps the medical staff to better implement patient turns by verifying the turning process, which can positively influence the treatment and the prevention of pressure ulcers. Clinical evaluations performed worldwide with EverOn show significant improvement in clinical and economic outcomes for hospitals using the system.

“Continuous patient monitoring is gaining increased importance in hospitalized patient care as evidence accumulates on its value for aiding clinicians in making timely and accurate care decisions. We are excited about the results of this research that shows that the EverOn's measurements effectively alert upon patient deterioration. The EverOn system is the next natural step in the ongoing efforts of hospitals to improve patient safety and quality of care. Contact-free, continuous supervision technology turns the hospital bed into a safer place,” said EarlySense CEO Mr. Avner Halperin.

About EarlySense:

EarlySense is bringing to market a pioneering technology designed to advance proactive and preventive patient supervision to enable better patient outcomes. The company's flagship product, EverOn, is an automatic, continuous, contact-free patient supervision device that follows and documents a patient's vital signs and movement. The system is currently installed at several medical centers in the United States and Europe. EarlySense is headquartered in Ramat-Gan, Israel. For additional information, please visit www.earlysense.com. Press contact: Marjie Hadad, media liaison, marjie.hadad@earlysense.com or +972-54-536-5220.