



## **Independent study confirms that the C-RAD Sentinel™ enables increase in patient throughput while reducing dose to healthy tissue**

**C-RAD AB with its three fully owned subsidiaries develops new and innovative solutions for the use in advanced radiation therapy. A recent study from the University Hospital in Lund, Sweden, confirms the clinical benefits of the company's Sentinel™ system.**

The C-RAD Sentinel™ is an advanced laser-camera based system that can be used for multiple applications within the field of radiation therapy. The system can within a few seconds detect a patient misalignment and can also monitor the patient for motion during treatment.

The University Hospital in Lund, Sweden, has during the first few months of 2010 evaluated the Sentinel™ system for use on one of their treatment machines. The aim was to increase the patient throughput without compromising positioning accuracy. The results have been presented at a European meeting for radiation therapy professionals.

In the performed study, the Sentinel™ system was used in parallel with the on-board imaging system (based on ionizing radiation) to verify the patient position before treatment. The measurements from both systems were then compared.

According to the published results, the accuracy of the Sentinel™ system was so high that the on-board imaging system would only need to be used for a few of the treatment fraction as an additional verification, while the Sentinel™ would be used for the remaining fractions. This is estimated to increase the patient throughput by approximately 50%-75% while decreasing the patient dose due to imaging by approximately 70%.

The end result is more patients treated per day, with maintained accuracy and reduced dose. Following the successful evaluation, the hospital has now incorporated the system in the daily clinical routine.

Erik Hedlund, CEO, C-RAD AB:

“The result from Lund provides an independent confirmation that the Sentinel™ concept is highly clinically relevant, and also shows the potential of advancing the state-of-the-art in radiation therapy when it comes to the important matters of increasing patient throughput and reducing dose to healthy tissue. As a first indication of the market potential, we have already noted a strong interest from prospective customers and industrial partners. “

### **For further information:**

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## **About C-RAD AB**

C-RAD develops new and innovative solutions for the use in advanced radiation therapy. The company group of C-RAD offers products and solutions for patient positioning, tumor localization and radiation treatment systems. End users are radiation therapy clinics worldwide. All product development is conducted in three fully owned subsidiaries; C-RAD Positioning AB, C-RAD Imaging AB and C-RAD Innovation AB. C-RAD Imaging AB is located in Östersund while the other companies are located in Uppsala. Numbers of employees are currently 19 people. The activity in C-RAD AB originates in research and development at the Karolinska Institutet in Solna and the The Royal Institute of Technology in Stockholm. Sales of the company's first product, the Sentinel system, started in autumn 2006. Co-operation agreements have been signed with the radiation therapy company Elekta and the Belgian company IBA. On major markets in Europe, North America and East Asia the company is represented by distributors normally specialized in radiation therapy.

C-RAD was since July 2007 listed at Aktietorget. From 8 March 2010 C-RAD is traded at OMX First North Premier.