Record number of people with diabetes. Can the everyday lives of diabetes patients be revolutionized through technology?

How diabetes technology has improved diabetes care and how a Norwegian Sensor company from Bergen may lead to the next level of patient safety and comfort.

Location: Eitri at Haukeland University Hospital

Chairmen:

Prof. Simon N. Dankel, Bergen, Norway
Prof. Andreas Pfützner, Bergen, Norway & Mainz, Germany

Program:

11:30-12:00	Lunch and mingling
12:00-12:10	Welcome by Prof. Simon Dankel, University of Bergen and Sverre Simen Hov, Bergen Chamber of Commerce and Industry

The Past:

12:10-12:35	History of CGM development to Digitalization in Diabetes Care Prof. Andreas Pfützner, Mainz, Germany, Lifecare ASA This presentation will provide an overview of the early steps of CGM development and the introduction of the first commercially available needle sensor from MiniMed Inc. In Europe in 1999, first clinical use experiences and the technology features of this first glucose sensor device. It will bridge the gap between these early sensor products until launching of modern CGM systems available today. ‘ The next years will be driven by an optimization of the value of CGM systems through increasing use of smart phone applications, artificial intelligence and other upcoming means of digitalization.

The Present:

12:35-13:05	CGM-based Measures to Evaluate Treatment Quality Prof. David Klonoff, University of California San Francisco, USA Today, CGM systems have to comply with increasing accuracy and reliability requirements. New methods and measures have been developed to interpret and benchmark glycemic control in light of an almost unlimited amount of glucose information collected by the new CGM systems (e.g. TIR: time in range etc.) Prof. Klonoff will provide information about such emerging

measures of quality control including a recently developed new Error-Grid for assessment of glucose measurement accuracy

13:05-13:30 Current use of CGM in the Hospital

Prof. Niels Ejskjaer, Steno Diabetes Center North Denmark and Aalborg University Hospital, Denmark

Today, CGM glucose sensors are increasingly, but not widely employed in hospitals, e.g. for monitoring glycemic control during hospitalization and medical interventions. In his lecture, Prof. Ejskjaer will present the current status and practice of CGM use for in-hospital diabetes care and will discuss the clinical value of modern CGM devices as tools for clinical and daily practice in hospitals.

13:30-14:45 Coffee Break/Snack

The Future:

14:45-14:50 Introduction of Eitri, CEO Ådne Iden Høiland

14:50-14:15 CGM-Technologies under Development

Prof. Simon Dankel, Department of Clinical Science, Faculty of Medicine, University of Bergen, Norway

This lecture will focus on the next generation of CGM systems with improved longevity and user convenience. Prof. Dankel will explain how a new osmotic pressure based implantable sensor developed in Bergen, Norway, for assessment of glucose and other analytes may support the metamorphosis of diabetes from disease to lifestyle condition.

14:15-15:00 Panel discussion lead by Prof. Andreas Pfützner
What are the expectations of doctors and patients related to new sensor development?

- Prof. David Klonoff
- Prof. Niels Ejskjær
- Prof. Simon Dankel
- Marta Helgadottir (Patient representative)