Challenges Faced in Translating Technology into Healthcare Solutions

Abstract: In today’s world, technology plays an important and ubiquitous role across all facets of our personal lives. Healthcare is no different. Taking a technology, an idea, or a concept and making it a reality in a complex healthcare setting, however, is not a trivial undertaking. Healthcare brings unique challenges and risks when applying technological concepts. This seminar will discuss some of these challenges to help convey an understanding of what it takes to translate technology into healthcare products and solutions that can make a difference in the lives of patients, physicians and clinicians.

We will review challenges in two important clinical scenarios: First, we will consider insulin dosing recommendations for glycemic management using a point-of-care device – the Infusion Pump. Second, we will look at how hospital WiFi infrastructure can be utilized to add efficiency to a number of clinical situations such as telemetry of patients and automation of infusion orders.

Biography: Harsh Dharwad is an experienced global technology leader who is passionate about solving healthcare challenges with technological solutions that make a difference in the lives of patients and clinicians. Dharwad is currently the Chief Technology Officer of Nihon Kohden America. He provides strategic leadership and direction for creating patient data acquisition and management systems that reduce costs, improve quality and increase access to healthcare. Prior to Nihon Kohden, Dharwad was director of software development at Pfizer, where he oversaw the development of infusion pump technology and value-added software applications.