Improving patient outcomes & health economics through connected health innovation

Session 103, February 21, 2017

Jeroen Tas, Chief Innovation & Strategy Officer, Philips

Dr. Kevin Dellsperger, MD, PhD, VP and Chief Medical Officer at AU Health System
Speaker Introduction

Jeroen Tas, Chief Innovation and Strategy Officer
Royal Philips

Jeroen Tas is Chief Innovation & Strategy Officer and member of the Executive Committee at Royal Philips, a global health technology company. He has more than 30 years of global experience as an entrepreneur and executive in the healthcare, information technology and financial services industries.

Jeroen is responsible for the company’s strategy, research & development, design, medical affairs, sustainability, platforms and emerging businesses. As Chief Innovations & Strategy Officer he plays a central role in the transition of Philips to a customer-centric digital solutions company. He leverages emerging technologies such as artificial intelligence, robotics and the Internet of Things to reinforce the company’s health propositions aimed at supporting consumers, care professionals and health systems with personalized connected health solutions.
Speaker Introduction

Dr. Kevin DellSperger, MD, PhD
Vice President and Chief Medical Officer
AU Health System, Associate Dean for Clinical Affairs
Medical College of Georgia

As an academician, Dr. Dellsperger has been active in research in the broad areas of coronary and pulmonary arterial and microvascular function in health and disease, exercise physiology in metabolic syndrome and education and patient safety. He serves on the Editorial Board for 3 Journals. He is the author of more than 130 papers, review articles and book chapters in the fields of basic research, clinical cardiology and patient safety.

In November, 2013, Dr. Dellsperger joined AU Health (then GR Health) and has the overall responsibility for the Medical Staff, Regulatory, Quality and Safety Programs. Since his arrival he worked to restructure the Quality and Regulatory programs in the Medical Center. Under his global leadership, the organization has begun to see transformation of performance results over the past 12 months in a march towards top quartile performance by the end of 2018.
Conflict of Interest

Jeroen Tas, Dr. Kevin Dellsperger

Have no real or apparent conflicts of interest to report.
Agenda

• Introduction by Jeroen Tas, Chief Innovation & Strategy Officer at Philips
  
  – How emerging digital technologies enable the transition to new models of personalized healthcare delivery, how long-term strategic alliances help to improve the quality and efficiency of care and are a springboard for innovation.

• On-stage dialogue - hosted by Jeroen Tas – with Dr. Kevin Dellsperger
  
  – Jeroen Tas and Dr. Kevin Dellsperger will talk about the ground-breaking work done at AUMC on connected health such as next-generation patient monitoring enabled by wearable biosensors and innovative connected respiratory care.
Learning Objectives

• How a new approach to how providers and industry vendors collaborate is a spring board for innovation and can support health systems with delivering long-term affordable care

• How the integration of emerging medical grade connected health technologies (IoT, sensors, wearables) and informatics into care paths can help optimize hospital discharge and decrease length-of-stay and hospital readmission rates

• What barriers to overcome when integrating connected health technologies into your health system and how to overcome them
Global healthcare challenge

More than 1/3 of people will be diagnosed with cancer in their lifetime

500+ million people suffer from respiratory diseases

400 million people worldwide have diabetes

An estimated 1 billion adults with hypertension
43% of Millennials prefer to access patient portals.

86% of clinicians believe that mobile apps will play a major role in a doctor’s practice over the next 5 years.

Value based care
Population health
Rapid consolidation into IDNs
Virtual care networks
Cyber security
From devices and systems to solutions

Connecting patients and care providers
Orchestrating 24/7 care

Seamless patient experience
Optimizing resources
Population Health Management

- Systematically **measuring the health outcomes and costs** across the health continuum
- **Coordinating care** across the continuum
- **Segmenting** cohorts with similar needs and risk profiles
- **Defining interventions** to improve value for each cohorts
- Aligning **reimbursement** to outcomes
Digital technologies enable precision medicine

Wide (longitudinal) data
Continuous monitoring over time

Deep data
More detailed information than ever before

Dense data
Big data pattern recognition
Optimizing care by connecting and understanding patient journeys

Cloud based services decrease your on-site hardware and personnel costs, and your “time to innovate”
• Combine technology innovation, data and analytics, and services to effectively improve clinical outcomes for patients, reduce costs, and make healthcare more sustainable.

• New business models such as risk-sharing agreements with shared accountability to improve health outcomes.

• A global innovation collaboration network through Philips global footprint

Accelerating the transformation of healthcare through long-term strategic alliances

From optimizing medical technology to optimizing care

2006 2017
First-of-its-kind alliance facilitates innovative, affordable healthcare
AU Health System, Georgia, US
Questions

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- Dr. Kevin Dellsperger (KDellsperger@augusta.edu, https://www.linkedin.com/in/kevin-dellsperger-235a7434)