

Daniel Kraft, MD – Keynote Topics

The Future of Health and Medicine: Where Can Technology Take Us?

From the prospective of a leading physician, scientist and innovator this talk examines rapidly emerging, game changing and convergent technology trends and how they are and will be leveraged to change the face of healthcare and the practice of medicine in the next decade.

A deep dive into where emergent fields such as low-cost personal genomics, the digitization of health records, crowd sourced data, molecular imaging, wearable devices & mobile health, synthetic biology, systems medicine, robotics, artificial intelligence, machine learning, nanotechnology, 3D printing and regenerative medicine are transforming healthcare, and have the potential to enable clinicians, empower patients, and deliver better care and outcomes at lower cost.

From Hospital to Home*

Prevention, diagnostics and care is increasingly moving out of the 4 walls of the clinic, ER and hospital

- a. Understanding the accelerating use of connected health solutions, remote patient monitoring for high risk patients and standard care.
- b. Cutting edge and future of telehealth
- c. Future of the Hospital
- d. The Virtualist: Role and abilities of the future clinician
- e. Digital health on steroids. What's coming next
- f. Regulatory and reimbursement: Aligning incentives for the COVID and Post-COVID age.

*(Daniel has co-chaired/co-developed the 2020 [UCSF Health Hub Hospital to Home Series](#), and also participated/spoke in the '[Future of Hospital Summit](#)' at Sheba medical center, with CEOs from several major hospitals.

Augmented, Virtual and Extended Reality**

How VR/AR/XR are reshaping health and medicine. AR, VR and XR have a wide range of applications across healthcare and biomedicine. In this talk he explores many of the cutting edge use cases and future potential for AR & VR in medical education and simulation, to therapy, telemedicine and beyond.

- a. AR/VR/XR in medical education (simulation, training)
- b. Virtual Therapy (Pain Rx, Physical Therapy, Mental Health)
- c. Virtual Collaboration Tool
- d. Virtualized Healthcare

**See Daniel's [Keynote from the Virtual Medicine conference](#)

Exponential Technologies, Mindset and Innovation

- a. Understanding Exponentials, Disruption and Pace of Change
- b. A dive into accelerating and exponential technologies, from AI, Robotics, Big Data and Genomics, to VR, 3D Printing, Blockchain and beyond
- c. Convergence: The role of Convergence exponential technologies in reshaping:
 - Healthcare
 - Future of Work
 - Travel (Self-driving cars)
 - Future of Home (entertainment, social)
 - Business Models