

Dov Bechhofer Explains How Advances in Medical Technology Will Usher in the “Smart Hospital”

NEW YORK, NEW YORK, USA, December 3, 2018 /EINPresswire.com/ -- The emergence of new technologies shape the way doctors deliver medical care around the world. Computer Engineer [Dov Bechhofer](#) explains how the information and communication technologies (ICT) of smart homes and smart cities transform hospitals today and in the future.

Smart homes allow us to connect to various electronics through our smartphones, control the temperature of our houses remotely, and arm sophisticated home-monitoring systems, among other features. Smart cities direct citizens through digital maps around town, give them access to transportation schedules through smartphone apps, and provide free public wifi in unconventional places. The idea of a smart hospital is one that offers convenient features such as these for patients, including remote care and more comprehensive health monitoring.



Dov Bechhofer

“We’ve used big bulky machines like the CT scanner for decades, but the advent of smaller, more mobile technology like the smartphone is changing the medical game,” [says Dov Bechhofer](#).

From bulky hardware, we’ve brought medical care into the 21st century with electronic health records and tracking systems to keep up with changes in patient health and billing. Our smartphones today can even monitor how many steps we take and give us calculated estimates of the calories we burn. However, technology is becoming far more powerful and capable than simple calorie monitoring.

“Wearable tech like iWatches and Fitbits can track our heartbeats and monitor blood pressure and sleeping patterns,” says Dov Bechhofer. “We’re already integrating consumer tech and health awareness, which is great, but smart hospitals will employ wearable tech to help keep costs down, too.”

For years, pressure has mounted to reduce the cost of medical care here in America and to improve overall patient outcomes. Dov Bechhofer is convinced that technology is the key, and that it will help physicians connect the dots on their patients’ health much more quickly, allowing them to provide timely and accurate care.

The Smart Hospital of the future will aim to balance clinical outcome excellence and operations/supply chain efficiency in addition to provide a stronger patient and provider

experience. Remote healthcare systems will accommodate patient requests faster and with better detail to ensure they get the proper level of care, all without requiring patients to stand in front of a desk representative or in an ER.

Bluetooth-enabled devices can save time and energy for both patients and medical specialists. Home monitoring will become far more comprehensive when new technologies are developed to accept and process biomaterials. This would help doctors and nurses monitor patients from afar while keeping up with speedy communications between patient and health experts.

Highly-specialized data collected from new systems could be used for analytics to help improve doctor and patient experience. Process flow and cost-efficiency can be improved by collecting and deciphering larger bulks of patient data, in the process teaching medical offices to fine-tune workflow and allocating care where it's needed most.

"As you'll notice, it's not all about what's offered inside the smart hospital," says Dov Bechhofer. "A lot of the streamlining that medical tech can help with is right at home or in the periods before and after patient visits."

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