IoT Week Geneva
6-9 June, 2017

Workshop

IoT in Medical Sciences and Healthcare

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Foundation of IoT

Connections

Ubiquitous

Knowledge

Global

THINGS

NETWORK

DATA

PEOPLE

Focal Areas of IoT-Healthcare

Improve health of the mass

Lowered cost of healthcare

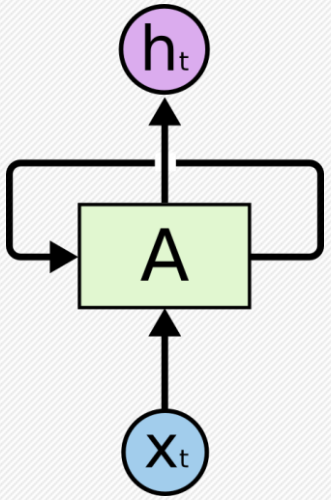
Improved patient experience

Best use of resources

- Health records management
- Monitoring of physiological conditions
- Ambient assisted living
- Personalized treatment
- Remote Care

Predictive Analytics in Healthcare

Predictive analytics uses technology and statistical methods to search through massive amounts of information, analyzing it to predict outcomes for individual patients.



Higher accuracy of diagnoses

- Assistive aid to clinical decisions (Decision Support Systems)
- Determine likelihood for a treatment plan
- New patterns in medical data and deeper insights into patients' health

Preventive medicine and public health

- Predict risks of diseases based on previous data
- Especially helpful for chronic diseases
- Helps in preventive treatment

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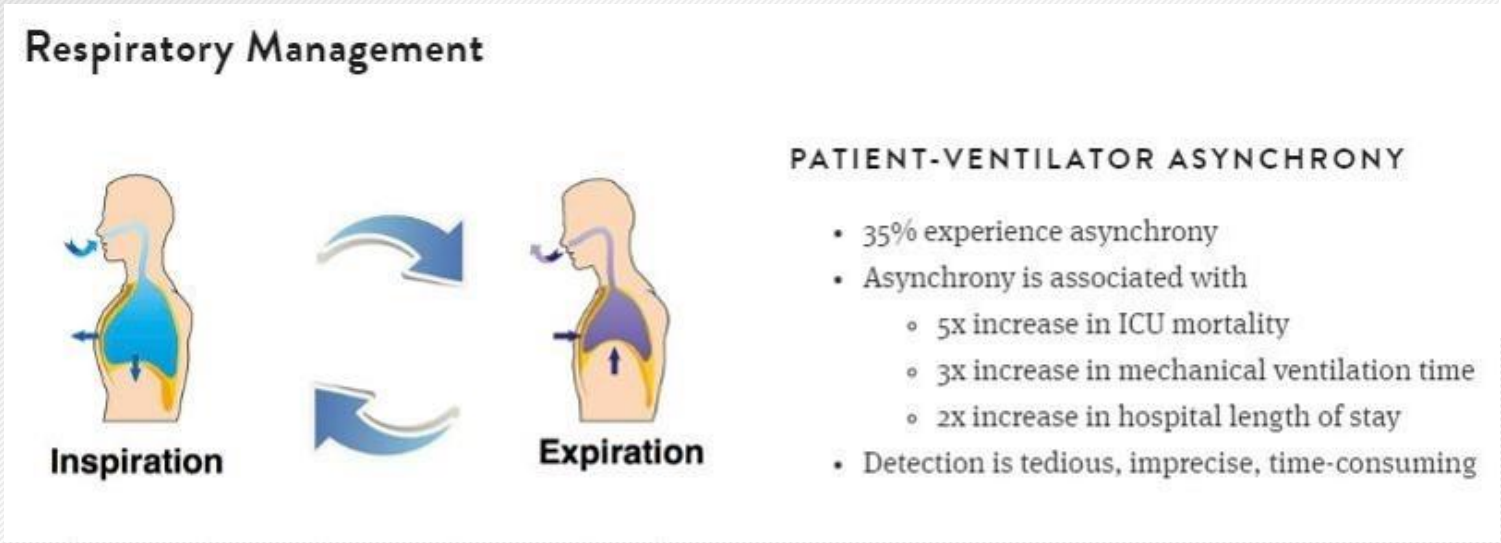
Artificial intelligence may help prevent heart failure.

Self-taught artificial intelligence beats doctors at predicting heart attacks

By Matthew Hutson | Apr. 14, 2017 , 3:30 PM

Emergency and intensive care

- Ascertain risks of emergency
- Robust treatment plan for emergency
- Automate administration (respiratory, fluid etc.)



The "*GREY*" side

"In 2016, users will trust health apps more than their doctors" – Forbes

Our Speakers

Prof. Emmanuel Benoist

Speaker

Bern University of Applied Sciences

Professor for Computer Science

Jan Sliwa

Speaker

Bern University of Applied Sciences

Researcher

Jean Francòis Ciparisse

Speaker

University of Rome Tor Vergata

Ph.D. student in Industrial Engineering

Sergio Guillen Barrionuevo

Speaker

MYSPHERA

Chief Innovation Officer

Thank You

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