AITOPYA

A Medical A.I Service

The Global Digital Health Crisis

Telemedicine

Increased access to care leads to more unqualified assessments

EMR systems

Manual systems create administrative workload

Medical research and prevention

Ever growing diagnosis databases

The consequences for health care providers & patients

- Health professional/patient ratio is low
- Time consuming consultations = Stressful work enviroment
- Long waiting times, low access

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What is AITOPYA?

AITOPYA is a computer program that supports healthcare providers in triaging and diagnosing patients by using AI, by assessing a patients' reported symptoms and test results

AITOPYA

Use reported symptoms, results from lab-test & examinations to;

- Uniquely assess each patient's health status
- Triage patients,
- Recommend lab tests and examinations,
- Suggest and rank possible diagnoses,
- Suggest treatment options and,
- Automatically generate and save the needed documentation for the patients' EMR

AHMED BEN CHEDLI 198909221536

Chief complaint

Pain

Background

Current illnesses
Migraine , Pneumonia ,
Angina pectoris ,
Pneumonia , Cluster
headache , Malaria ,
Pneumonia

Past illnesses

Symptoms

Chief complaint

Pain

Other symptoms

Fever

Differences between last and current visit

Pulse
Previous visit
0 beats/min

Breathing frequency
Previous visit
0 breaths/min

Oxygen saturation
Previous visit
0 SO2%

Temperature
Previous visit

120/90 mmHg   60 beats/min   25 breaths/min   40 °C   100 SO2%

V 1.5.2

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What is quality of care?

- Triaging patients correctly

- Assess and suggest different possible diagnosis

- Taking past conditions into consideration

- Support the diagnosis of rare conditions

- Systematically gather and document medical information and history

Kitara – Masindi

In an ongoing pilot implementation at a health centre IV in Masindi Uganda, AITOPYA is being tested for diagnostic precision and efficiency in daily treatment and nursing operations. The experiences of users, who initially received training, is also being documented as this will help refine AITOPYA. The pilot is currently in the data collection phase, but will run until July 2019.

Implementation in Febuary 2019

So far, we have learnt the value of

- extensive testing, iteration and adaptation before the launch
- November 2018 we tested what we thought would be the final product live and we learnt that there was a need for adaptation of the platform both in terms of work flow and user-friendliness.

'super users' – users within the organizations who have undergone more in-depth training in AITOPYA applications, prior to training of regular staff.

These users have taken the role of owning the implementation process, as well as being the internal advocates for the adaptation of the new system.

Multi Talented Team

Josef Murad, M.D CEO, Co-Founder

Efraim Jovlunden

M.D, CMO

Anders Frisk

BDD

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Directorate

Matias Murad
CTO
Co-Founder

Jonna Bertfelt

Regional Director

Sara Lei

44 active coworkers within the BYON8 organisation

- Health professionals, Medical students
- Software Developers
- Business Developers/Sales
- Experienced A.I Developers

Mikael Fors

Advisory Board
Sara Lei, M.D
Mats Ericsson, PhD
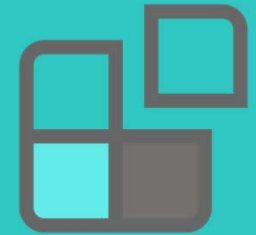Mikael Fors, Former Deputy CEO at KI
Kenneth Lau, A.I Developer

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AITOPYA

Is Unique

Modular diagnostic engine
>92 % diagnostic accuracy.

Team

Prevention + Triage + anamnesis + remote + documentation + diagnostic engine

Only medtech A.I built on unity
Enabling cross-platform integration with A.I ecosystems such as IBM Watson.

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"Where healthcare is a right, not a privilege"