

***EBHC 2017 Taormina***

***5 minutes for your idea***



# Patients' web self-diagnosis and treatment: from don'ts to dos

**Dr. Claudio Beltramello**



**More and more patients access health services after googling their symptoms, and suggest examinations or even diagnoses and treatments. This bothers the clinical staff.**

A close-up photograph of a hand holding a blue stethoscope. The hand is positioned over the word 'Google', which is rendered in its characteristic multi-colored font. The stethoscope's chest piece is held over the letter 'o', and the blue tubing extends downwards. The background is a blurred white, suggesting a clinical or medical setting. The overall image conveys a message of medical research or healthcare technology.


Google



**“More and more patients are going to the Internet for medical advice. To keep my practice going, I changed my name to Dr. Google.”**

Please Do Not  
Confuse Your

Google  
Search

With My  
Medical Degree 

**Thanks to the huge progress in artificial intelligence, some apps are smart enough to compete with an experienced clinician.**

ETH zürich

NO. 27/2011

# GLOBE

FOCUS

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How data science  
is changing the world

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APR 30, 2017 @ 12:10 PM 12,551

# AI In Medicine: Rise Of The Machines



**Paul Hsieh**, CONTRIBUTOR

*I cover health care and economics from a free-market perspective.*

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## Could a robot do my job as a radiologist?

If you asked me 10 years ago, I would have said, “No way!”  
But if you ask me today, my answer would be more hesitant,  
“Not yet — but perhaps someday soon.”



ANNALS OF MEDICINE APRIL 3, 2017 ISSUE

# A.I. VERSUS M.D.

*What happens when diagnosis is automated?*

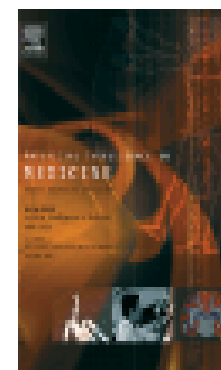
**By Siddhartha Mukherjee**



ELSEVIER

## Artificial Intelligence in Medicine

Volume 23, Issue 1, August 2001, Pages 89-109



# Machine learning for medical diagnosis: history, state of the art and perspective

Igor Kononenko  

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[https://doi.org/10.1016/S0933-3657\(01\)00077-X](https://doi.org/10.1016/S0933-3657(01)00077-X)

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# Newsweek

INTERNATIONAL

02.06.20

## THE DOCTOR WILL SEE YOU NOW

HOW AI IS GOING  
TO CURE OUR SICK  
HEALTH CARE  
SYSTEM

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# WATSON

WILL SEE YOU NOW'

**Trumpcare** was DOA. Congress isn't going to fix Obamacare. The only prescription for better (and cheaper) health care: 'Take two apps and call me in the morning'

By Kevin Maney

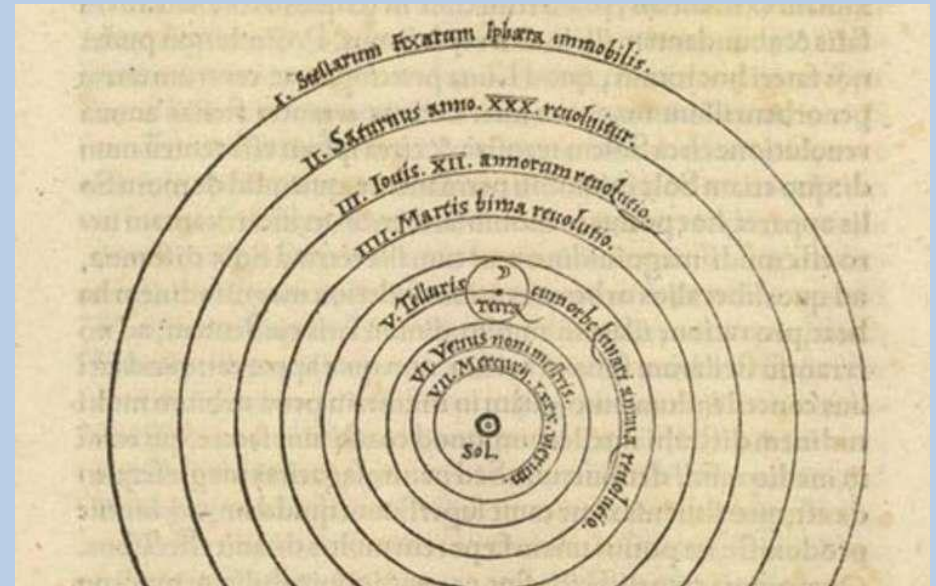


# THE IDEA



**We suggest exploiting patients' tendency to use the web for their health complaints, and reshaping it within the framework of an Evidence-Based diagnostic & treatment app.**

# THE COPERNICAN REVOLUTION



Once the health care system provides the EB-app, patients should be encouraged (e.g. reductions in user fees, priority access) to submit their health condition before seeing the clinical staff.

# EXPECTED RESULTS



The clinical staff will keep their leading role in guiding the patient through the ultimate clinical pathway, but this time moving from standardized EB information instead of randomly collected one.

Moreover, the app could result pivotal in suggesting behaviors to prevent and manage chronic diseases, which in turn should increase overall compliance.