



GROUP 1



## Deep learning algorithm does as well as dermatologists in identifying skin cancer

By Taylor KUBOTA, January 2017

Universal access to health care was on the minds of computer scientists at Stanford when they set out to create an artificially intelligent diagnosis algorithm for skin cancer. They made a database of nearly 130,000 skin disease images and trained their algorithm to visually diagnose potential cancer. From the very first test, it performed with inspiring accuracy. [...]

That's when we said, 'Look, this is not just a class project for students, this is an opportunity to do something great for humanity.'

[news.stanford.edu](http://news.stanford.edu)

## The world's first robot 'super-microsurgery' was successful

By Mike WEHNER, October 4, 2017

Surgeons from the Maastricht University Medical Center in the Netherlands completed the first robot-assisted super-microsurgery. The robot was used to suture vessels measuring as small as 0.3 millimeters across. It's such an incredibly delicate procedure that very few surgeons on the planet will even attempt it [...].

The robot is controlled by a surgeon who, by moving their own hands, prompts tiny, precise movements of the robot's small claws. As it translates the surgeon's movements into commands for the robot,



the system can mitigate any shakiness or unsteady motion, leading to a cleaner and more perfect operation.

[nypost.com](http://nypost.com)

### Document 2 :

Video available on Youtube :

<https://www.youtube.com/watch?v=wlkCQXHEgiA>

« Spot Launch, Boston Dynamics, Sept 2019. »



### Document 3:

Video available on Youtube :

[https://www.youtube.com/watch?v=WO\\_DPiOPmFO](https://www.youtube.com/watch?v=WO_DPiOPmFO)

"Robot At SXSW Says She Wants To Destroy Humans, CNBC, March 16<sup>th</sup>, 2016.



### Document 4:

Video available on Youtube:

<https://www.youtube.com/watch?v=HgF7E5q9sU4>

"An introduction to autonomous vehicles, FIA, April 27<sup>th</sup>, 2017."

