



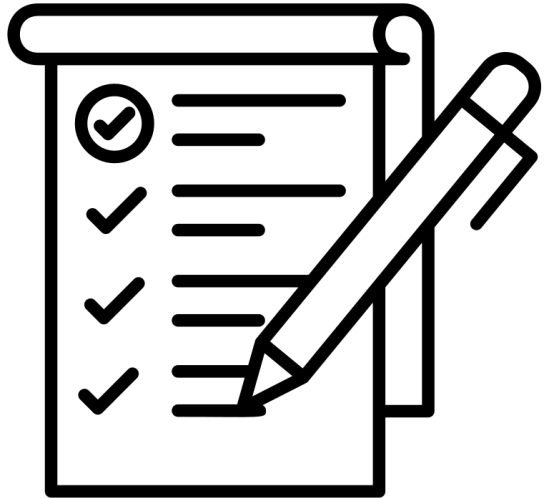
Robot Assisted Surgery

Addie Madsen and Evie Glassman



Overview

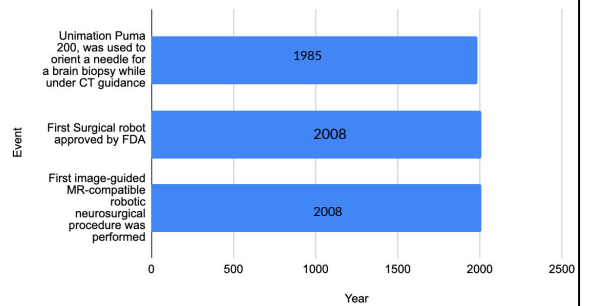
3. Who and when it was conceived?
4. Who will it impact?
5. Pros
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History- Who and When the idea was conceived?

- The Arthrobot was made in Vancouver, 1985.
- The first procedure done was a leg rearrangement
- In the first year with this robot over 60 procedures were done.
- Other robots were eventually developed
- The people that developed the first surgical robot were, Hap Paul, William Bargar, MD, and DVM

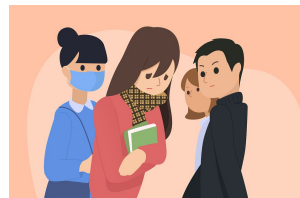
Year vs. Event



Overtime the ideas developed and evolved. The ideas that were developed are still being evolved, so it can improve accuracy, cost, and time.

Plan and Implementation-Who or What it will Impact?

- This will impact patients.
- And how well or accurate their surgery goes.
- It will affect the family of the patients
- Having these robots will impact Doctors and Nurses
- Jobs could be lost.

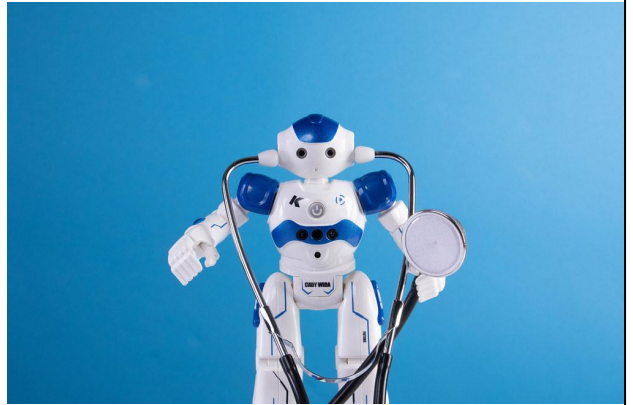


This can impact the patients and their families in a negative way or a positive way. Same as with the Doctors and Nurses, they could keep their jobs because the robots failed. Or they could lose their jobs because the robots did such a good job.

Pros to the Advancement

The pros of robotic surgery:

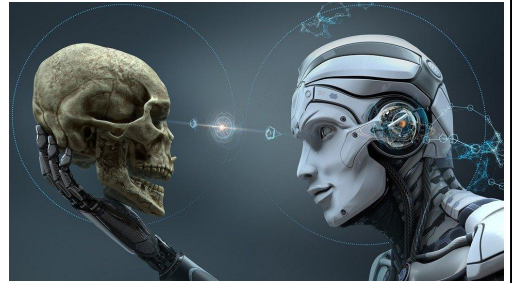
- bring up the accuracy
- access to areas that are hard for humans to access
- faster improvement
- can monitor the treatments
- could do a better job



For patients who would otherwise not be considered for traditional minimally invasive surgery or open surgery, robotic surgery offers a viable option.

Cons to the Advancement

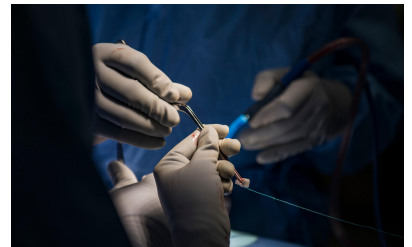
- Increase in the costs of the operation and treatment
- Not all hospitals will have access to this equipment
- Possible inconvenience in the programming
- A risk of patient safety
- It will take a long time to test and perfect the robots



Hopefully we can fix this issues in the future. And make most of the cons go away so, there will only be pros to the robot assisted surgery.

Summary

These robots allow doctors to do surgeries with more precision and control than traditional techniques. It can be very useful for open surgeries, such as open heart surgery. Eventually, we can make these machines more widely available and more people will be able to get help. This can make surgeries faster and possibly be an amazing tool in the future.



Robot assisted surgery has many pros and cons to it, but it is up to you on whether you think it is a good idea or a bad idea.

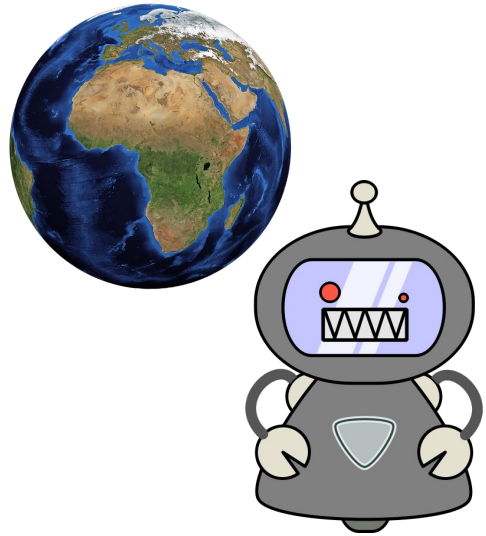
Evie's Opinion

Although this technology could change the world, it will take a long time to create the perfect robots. More job possibilities could be created from these robots such as a surgery robot designer. They seem dangerous if we do not monitor and test them, but after a few years/decades I think this product would be a great improvement to the medical field and make surgeries faster + more efficient. We could also start off by using robots for simple tasks in the hospital before upgrading to real surgery...



Addie's Opinion

I think this will not help hospitals. I think that having the robot assisting or even doing the surgery is really dangerous because they are programmed to do certain things but they could mess up really easy. They do not have a brain so they don't really think "oh maybe that is not what I am supposed to do". I just really think that we should not trust peoples lives in the hands of robots. Even though humans make mistakes with surgery it is way safer I think to trust a humans life in another humans hands. That is my opinion on this subject.



references

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