

Head Transplant

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Madison Maxwell & Morgan Wright

Overview

- History
- Plan and Implementation
- Upsides/Pros to the Advancement
- Downsides/Cons to the Advancement
- Summary
- References

History

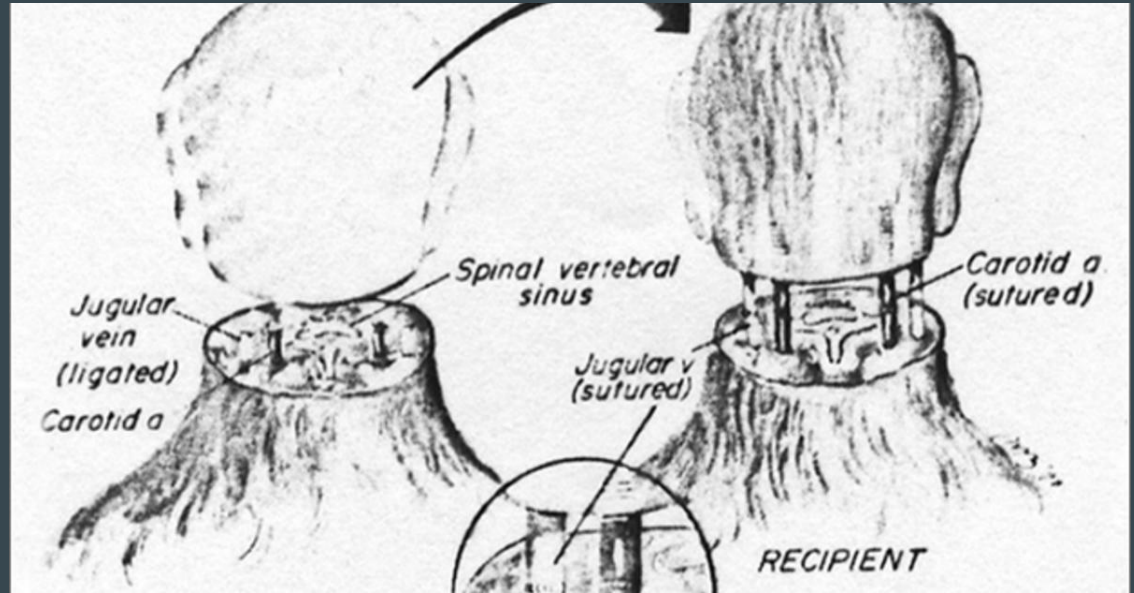
- 1908, *Charles Guthrie*
- 1950s, *Vladimir Demikhov*
- 2017, *Ren et al*

Surgically Challenging, Ethically Controversial and
Historically Tempting



Plan and Implementation

- There are many steps and procedures
- Two surgical teams
- Organ Shortage
- Ethical?



Interesting Videos

[A Monkey Head Transplant \(Part 1/2\)](#)

[Head transplantation -- The future is now | Dr. Sergio Canavero | TEDxLimassol](#)

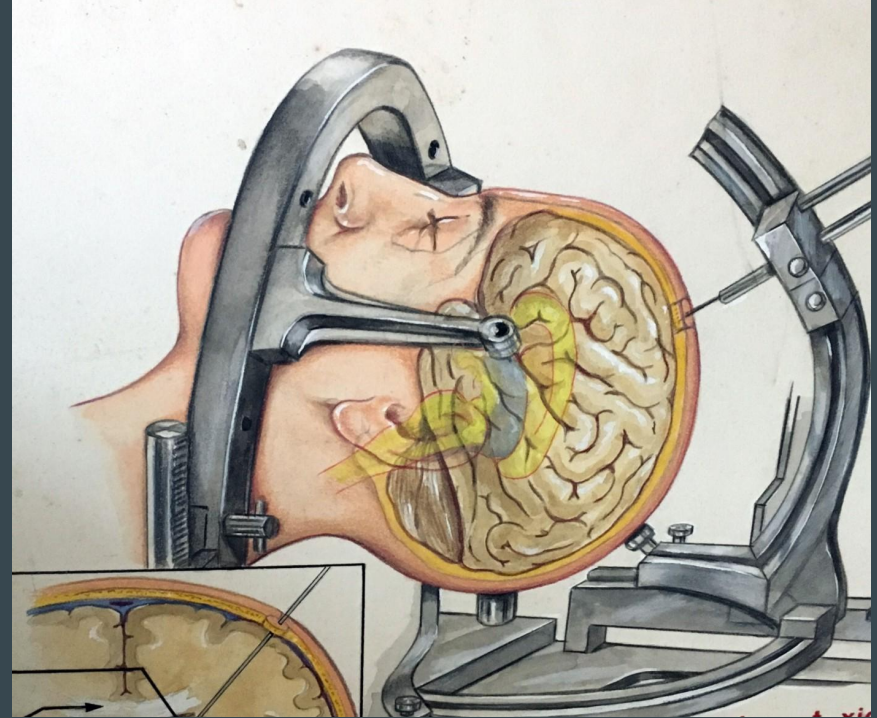
Upsides/Pros to the Advancement

- Spinal cord repair
- Cloning
- Immortal
- New Science

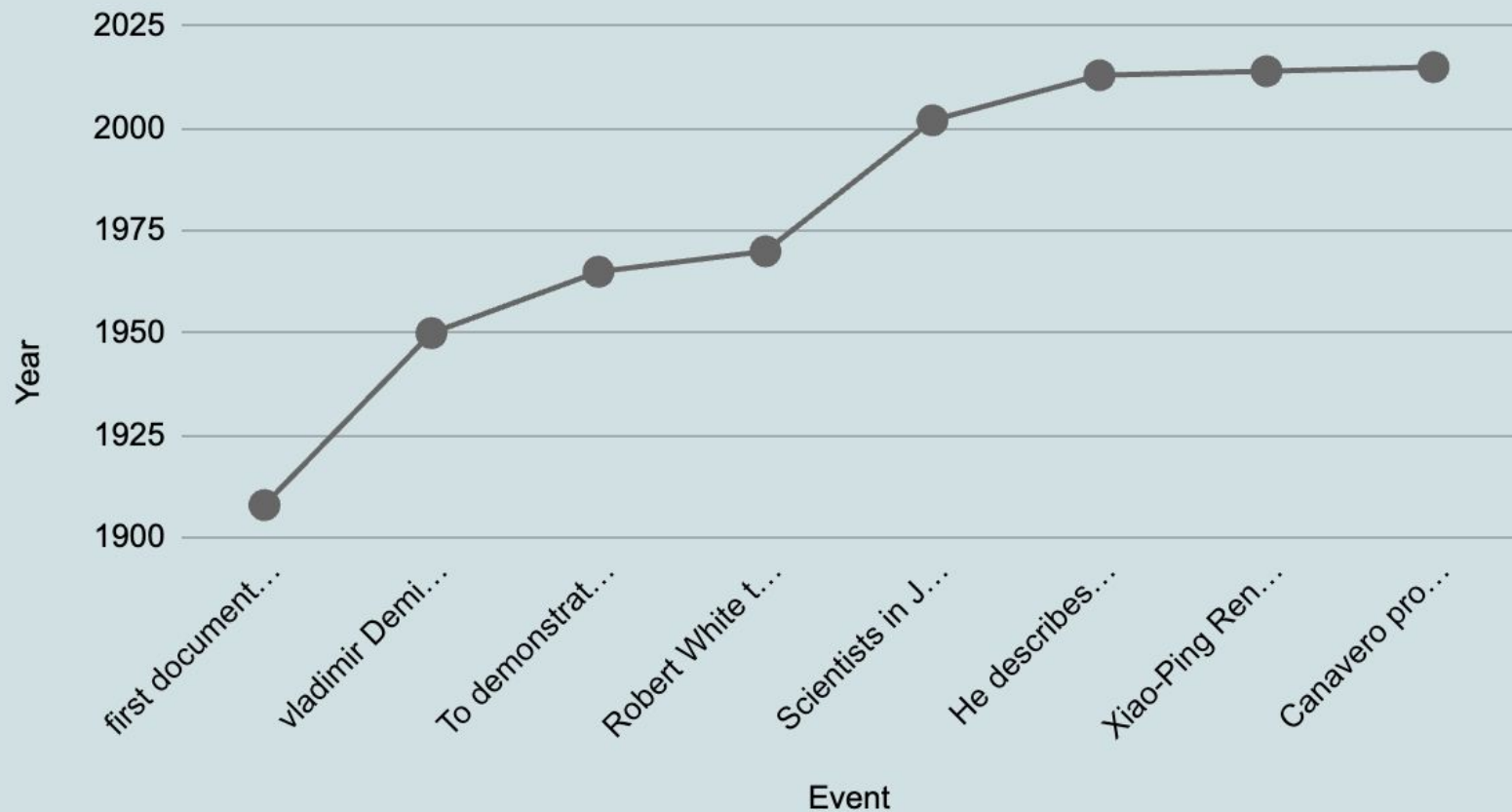


Downsides/Cons to the Advancement

- Challenging surgical skills
- Ethically very challenging
- Fusing back together
- Feasibility and desirability of the surgery
- Bad results?



Year vs. Event



Extra Media



World's First Head Transplant Recipient Wants
A Better Life | Good Morning Britain



Scientists Want to Transplant a Human
Head, Here's Why That's a Bad Idea



Cutting-Edge Science: Head
Transplants on Mice

Summary

Head transplantation was once a fantasy described in science fiction scripts. Nonetheless, times have changed, and a new era appears to have begun. Because of the inability of the donor and recipient spinal cords to fuse, human cephalosomatic anastomosis and transplantation have never been realized. According to Canavero et al, recent advances can overcome this barrier and make such a difficult procedure feasible and worth attempting.

References

- [First Human Head Transplantation](#)
- [Human Head Transplant Proposed—How Did We Get Here?](#)
- [It's time for a serious debate about head transplants](#)
- [The pros and cons of a head transplant](#)