

# Medical Miracles Illustrated: How Art and Medicine Connect

Gabriel Tan

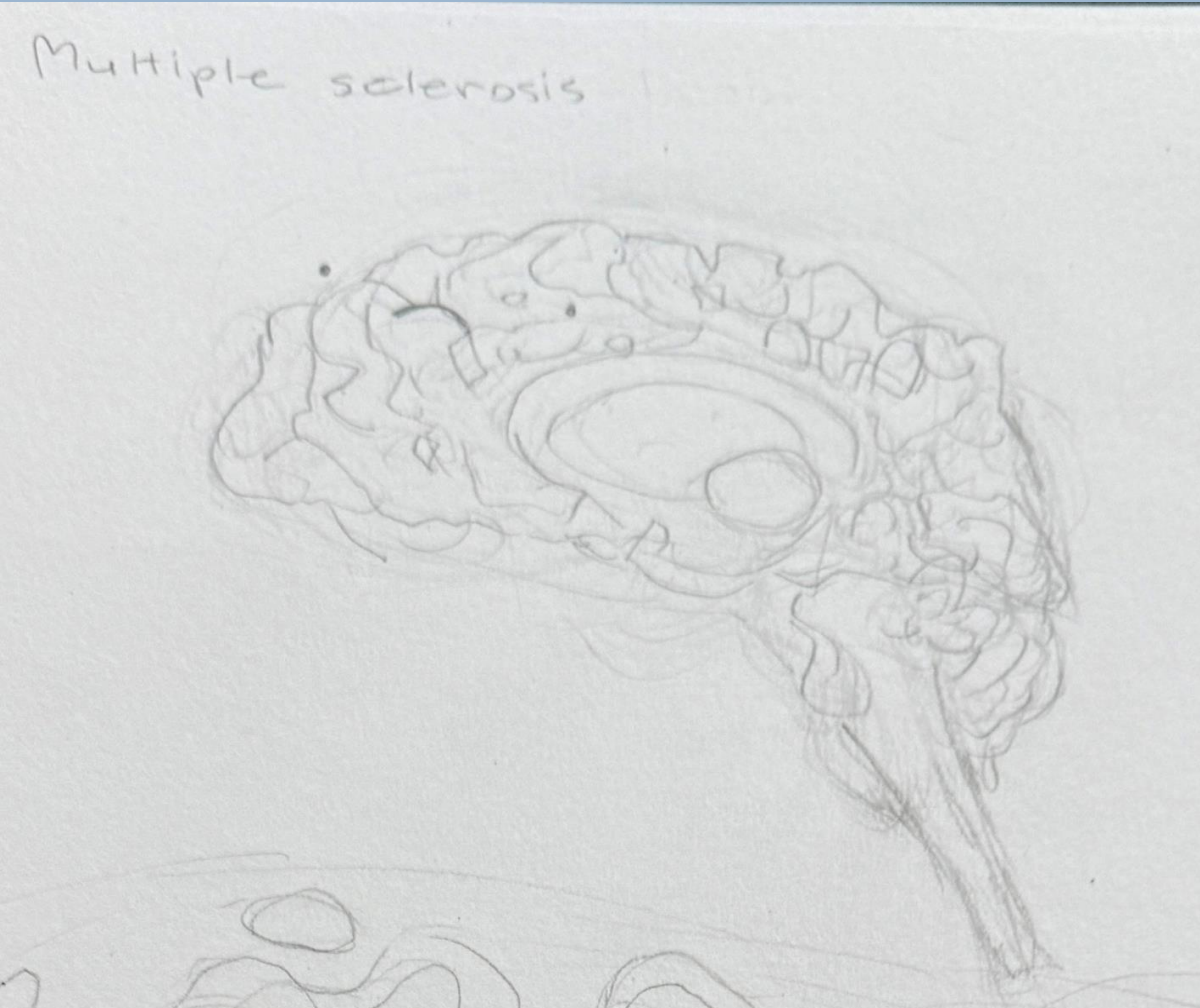


## Problem Statement

How do antifungal drugs cause yeast to evolve to become resistant to the medications?

## Background

Medical illustration is a field that connects anatomy and biology with art.



Through self-learning about medical discoveries, I found out about a surgical procedure called osteo-odonto-keraprostheses (OOKP).

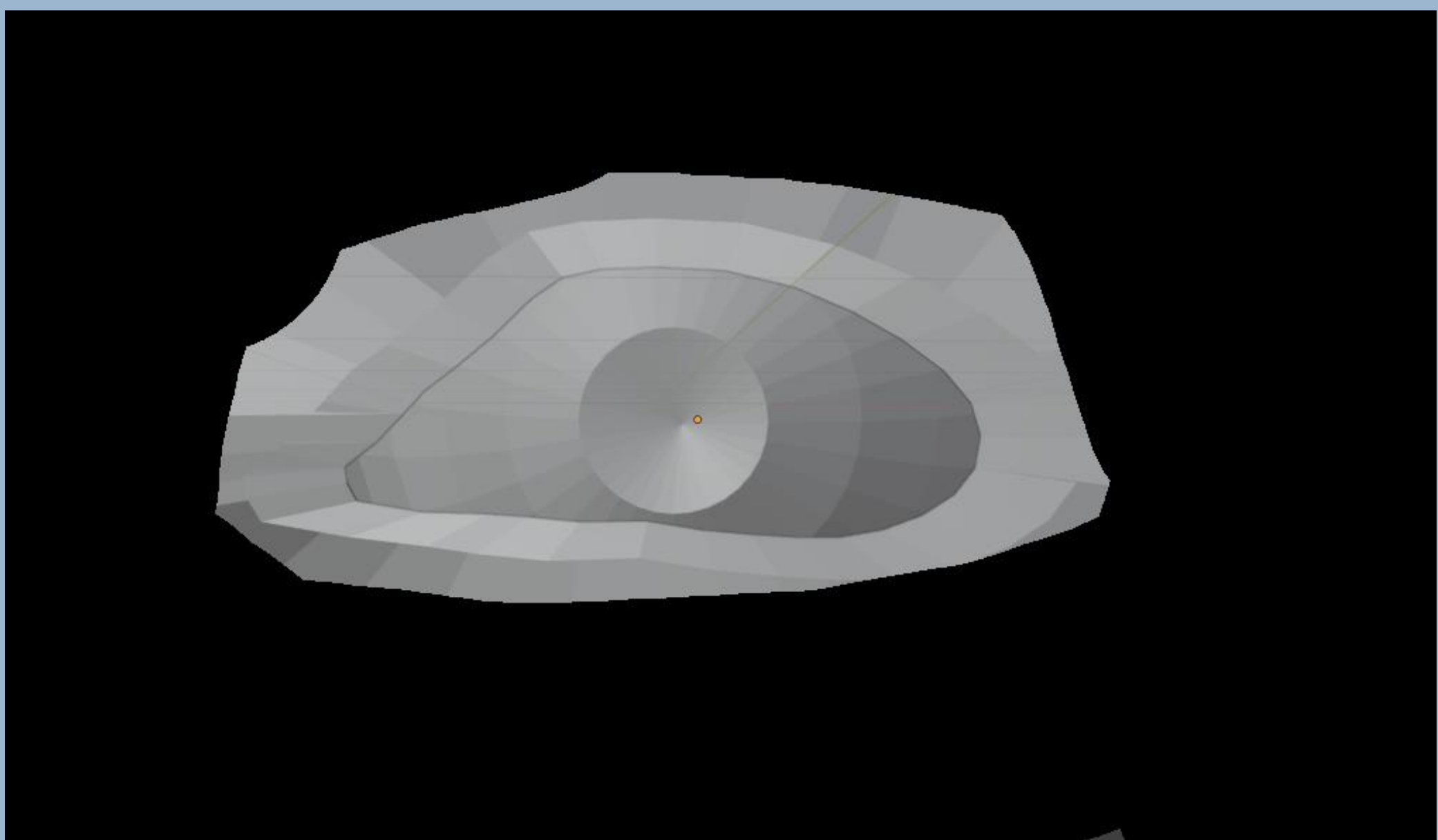


Through constructing a medical illustration portfolio, I hope to interest more people in science.

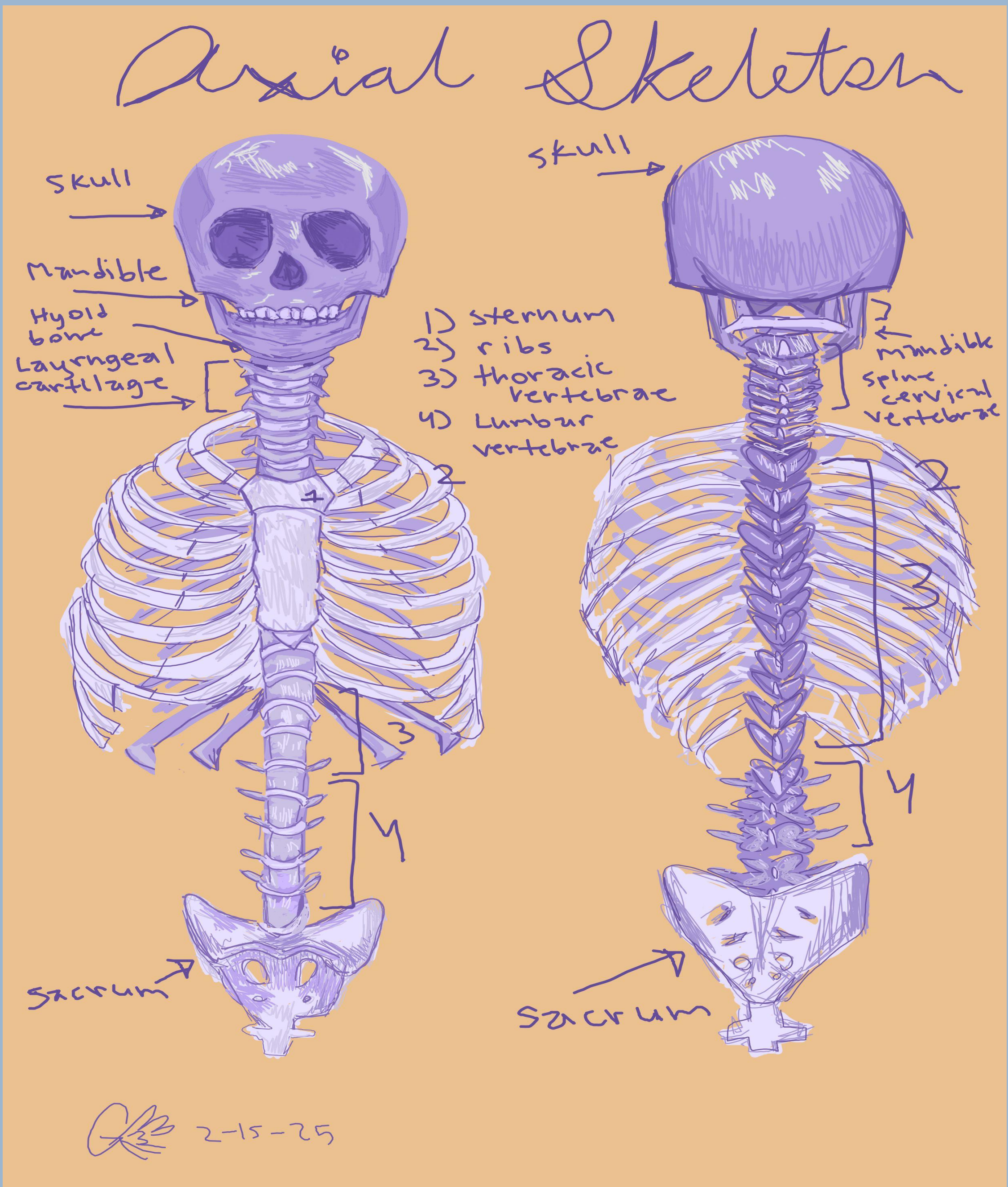
## Figures



Caption 1. This is a poster spreading education regarding medical illustration.



Caption 2. This is a 3D model I created of an eye.



Caption 3. This is a diagram I made of an axial skeleton, which includes all skeletal regions except the appendicular limbs.

## Summary

Creating medical illustration takes immense work, time, and skill to create. No professional medical illustrator can create a piece in just one session without considering the anatomic proportions and medical accuracy. I hope to learn more about the human body and more accurately portray its mechanisms.

## Recommendations

I highly recommend Dr Ciléin Kearns’ s work for more exploration. I think 2D cartoon illustrations are highly underrated, for they are the hardest to make medically accurate.

## Acknowledgements

I would like to thank Dr. Gingrich for his guidance through the Directed Studies course at Innovation Academy, as well as Trudy Van Houten for her online medical school education course on anatomy and orthopedic surgery.