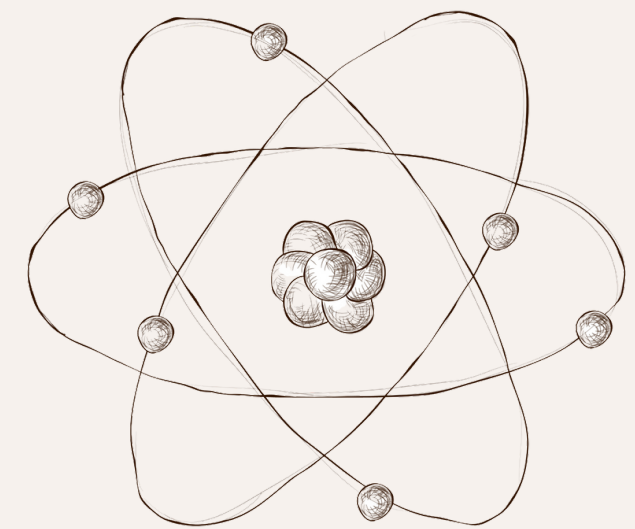


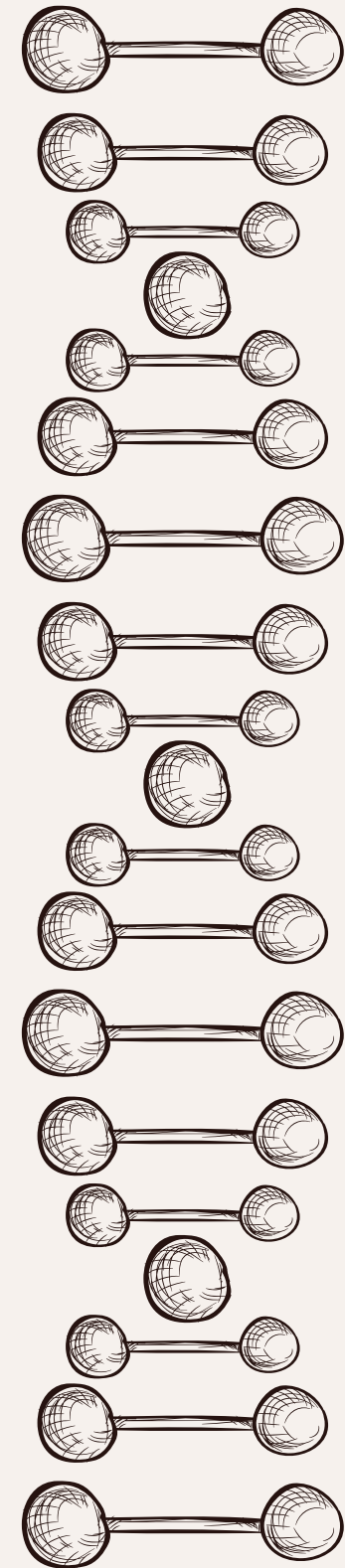
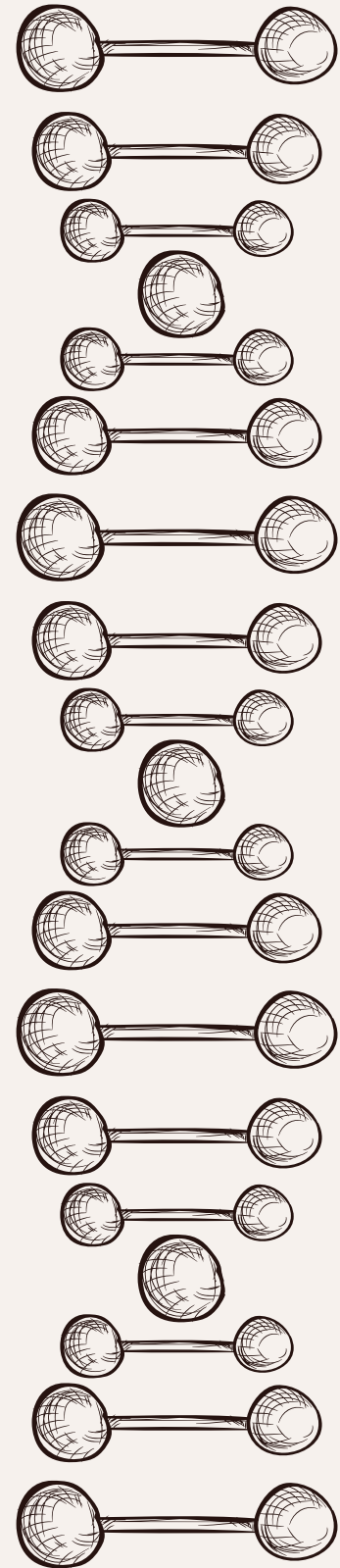
MELANOMA CLASSIFICATION

Mariana Santos



What is melanoma?

Melanoma is a type of skin cancer that can spread to other areas of the body. The main cause of melanoma is ultraviolet light, which comes from the sun and is used in sunbeds.



Why is it important?

The American Cancer Society's estimates for melanoma in the United States for 2024 are:

About 100 640 new melanomas will be diagnosed

About 8 290 people are expected to die of melanoma (about 5 430 men and 2 860 women)



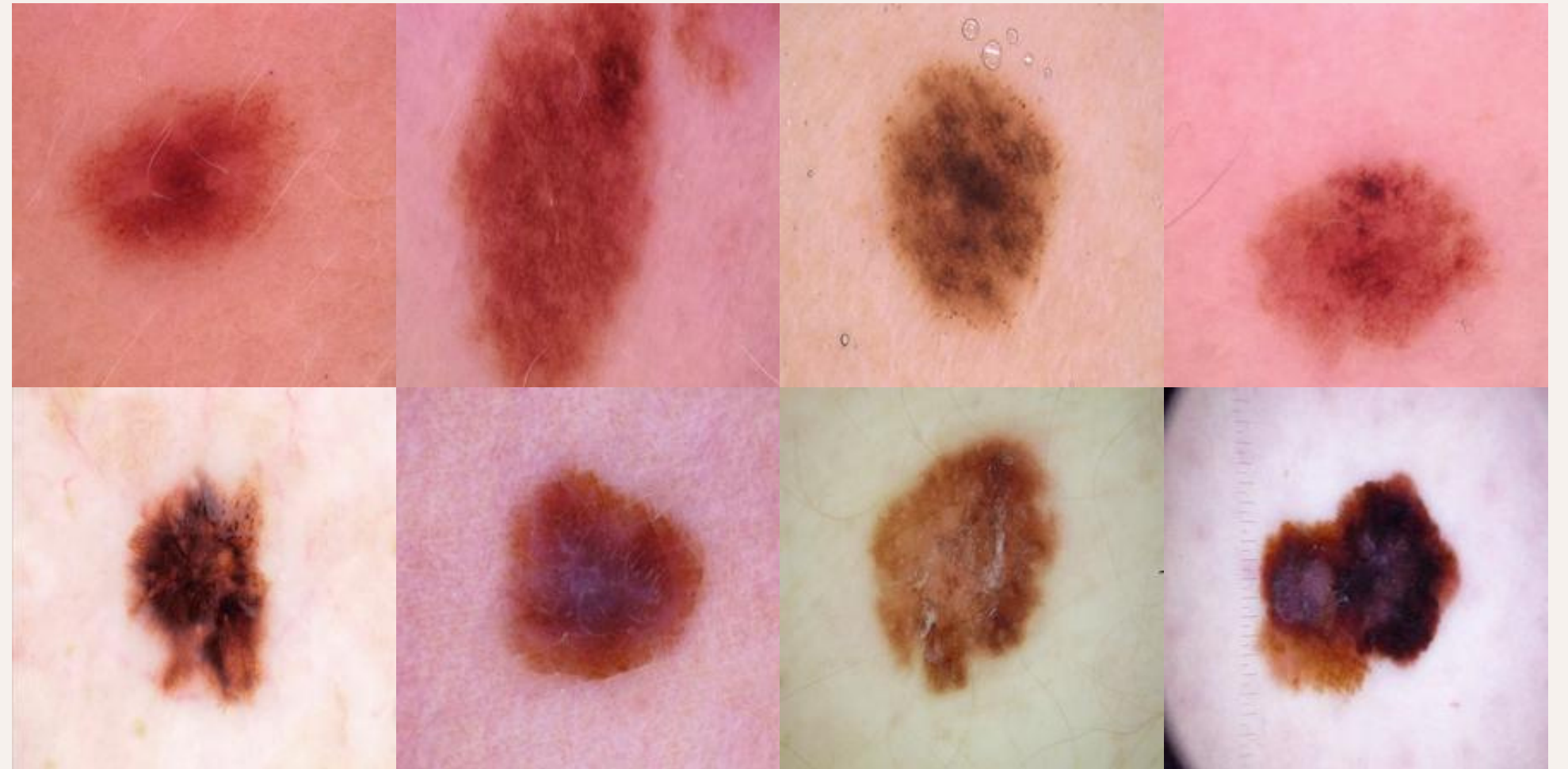
What's the problem?

Having more than 50
common moles on your body
puts you at a drastically
increased risk of skin cancer

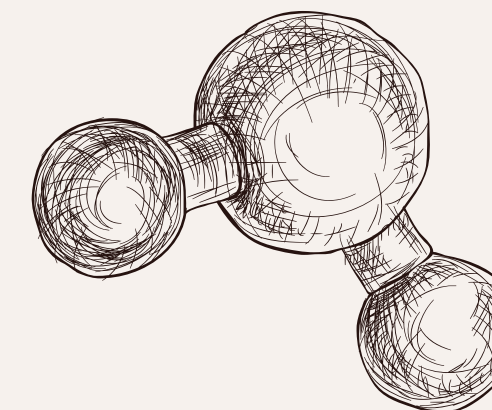
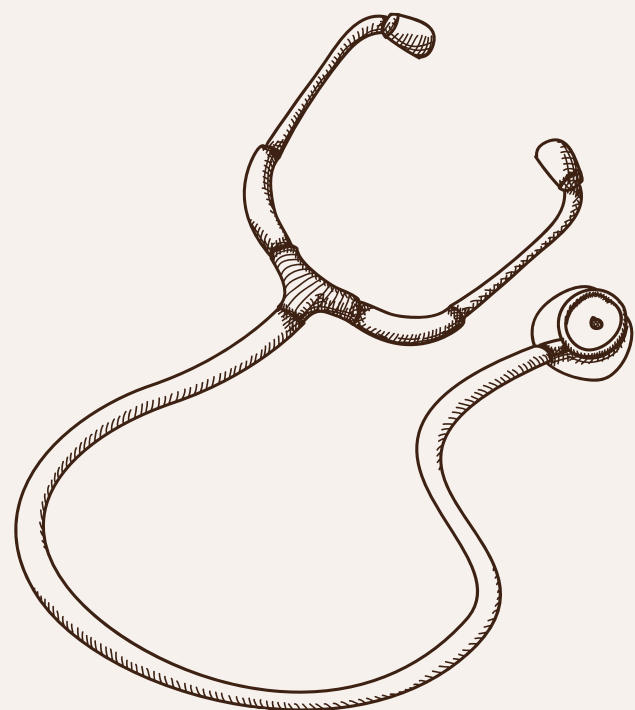


The model

- Train:
 - 5590 images malignant
 - 6289 images benign
- Test:
 - 1000 images malignant
 - 1000 images benign
- Convolutional Neural Network (CNN)



Demo



Thank you!

