

Retinal OCT Disease Recognition

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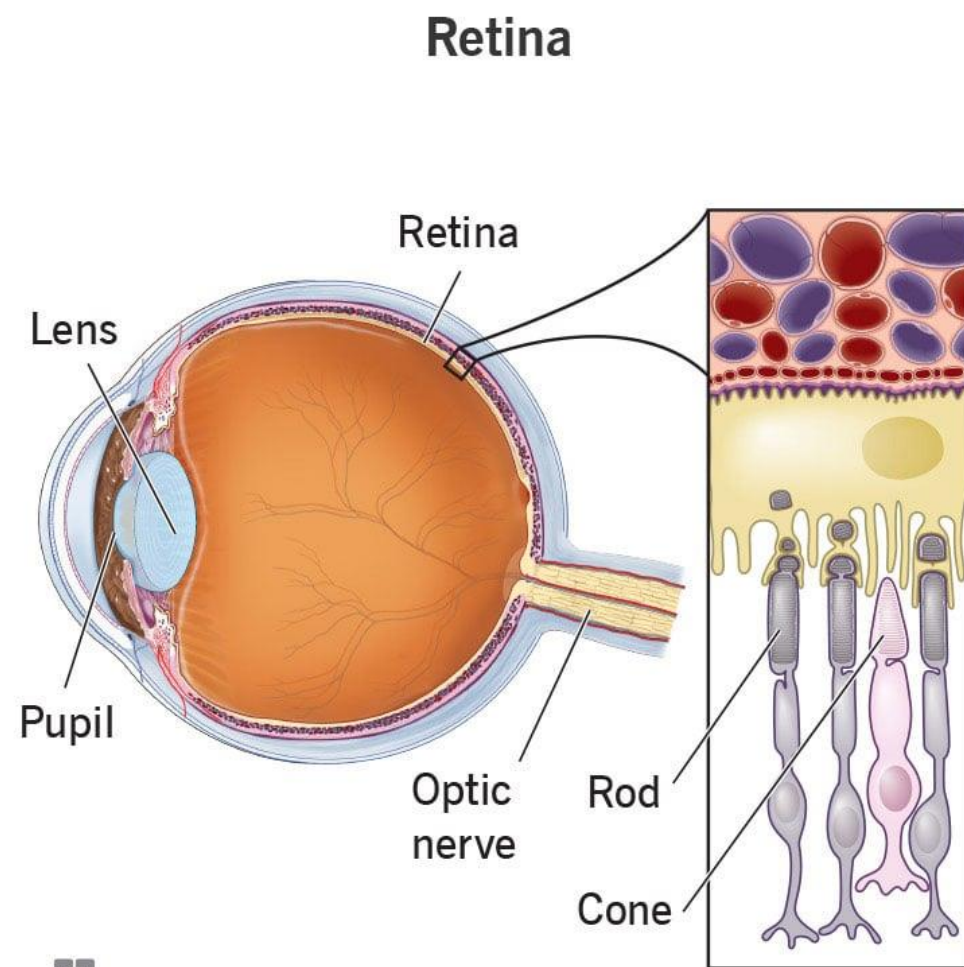
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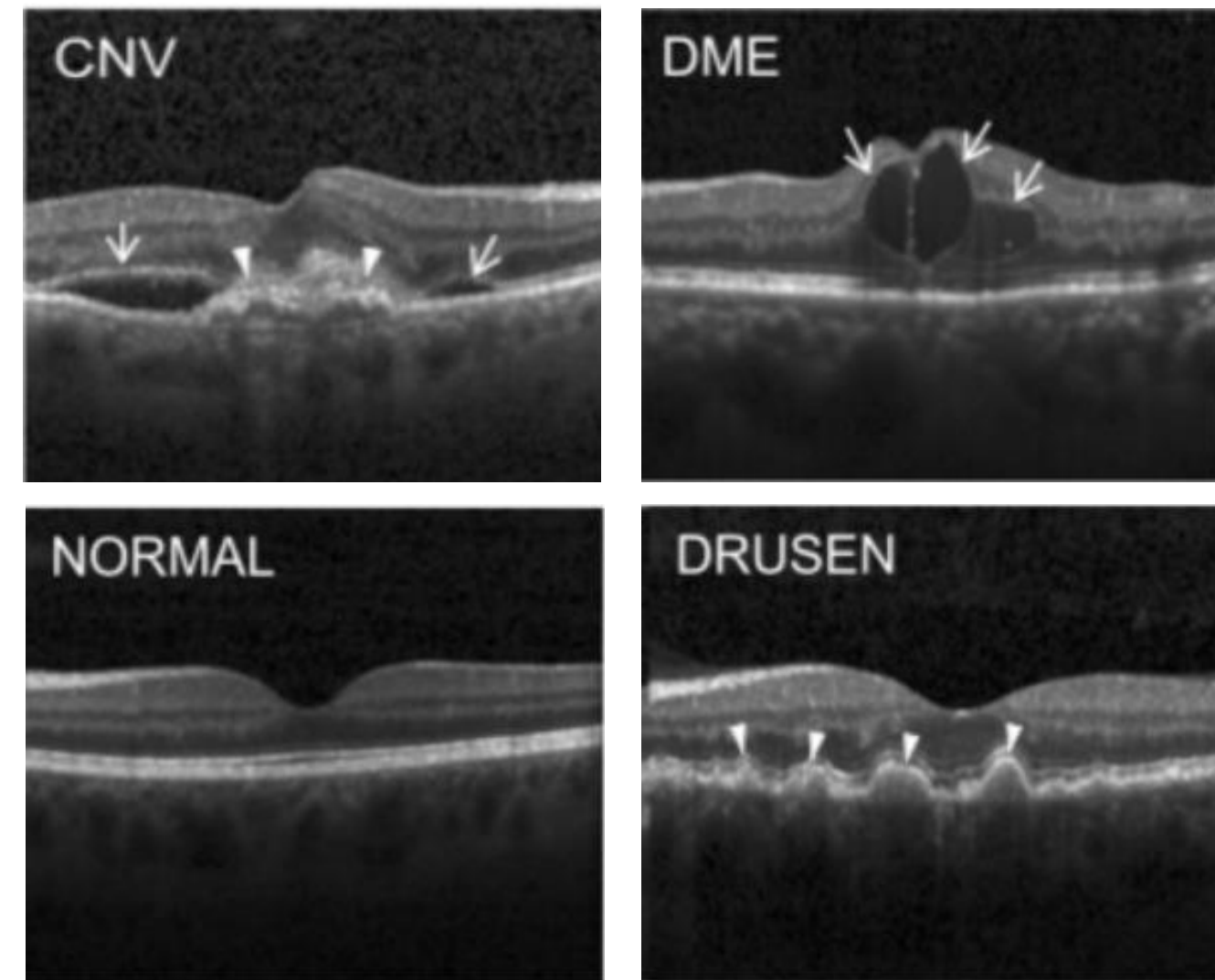
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About Retinal OCT



Cleveland
Clinic
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The Business Problem

- Optimize time and resources
- Efficient interpretation
- Impacts Ophthalmologists



The Data

01

85,000

02

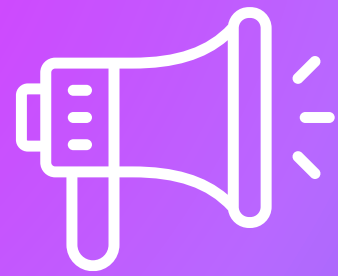
**Normal
or
Abnormal**

03

**Various
Sources**

04

**Tiered
Labeling**



Modeling Process

01

Load and transform the data

02

Iteratively build models

03

Evaluate scores

04

Choose the best results

Conclusion

Streamlined diagnoses ●

Efficient ●

Revolutionary ●

Next Steps

01

**More
data**

02

**Model
tweaking**

03

**Multi-
class
model**

04

**Streamlit
App**



Thank you!

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