

# "MY SUGAR IS AFFECTING MY EYES?"

ALEX PERMANN, OD  
605 Vision  
Chamberlain, SD

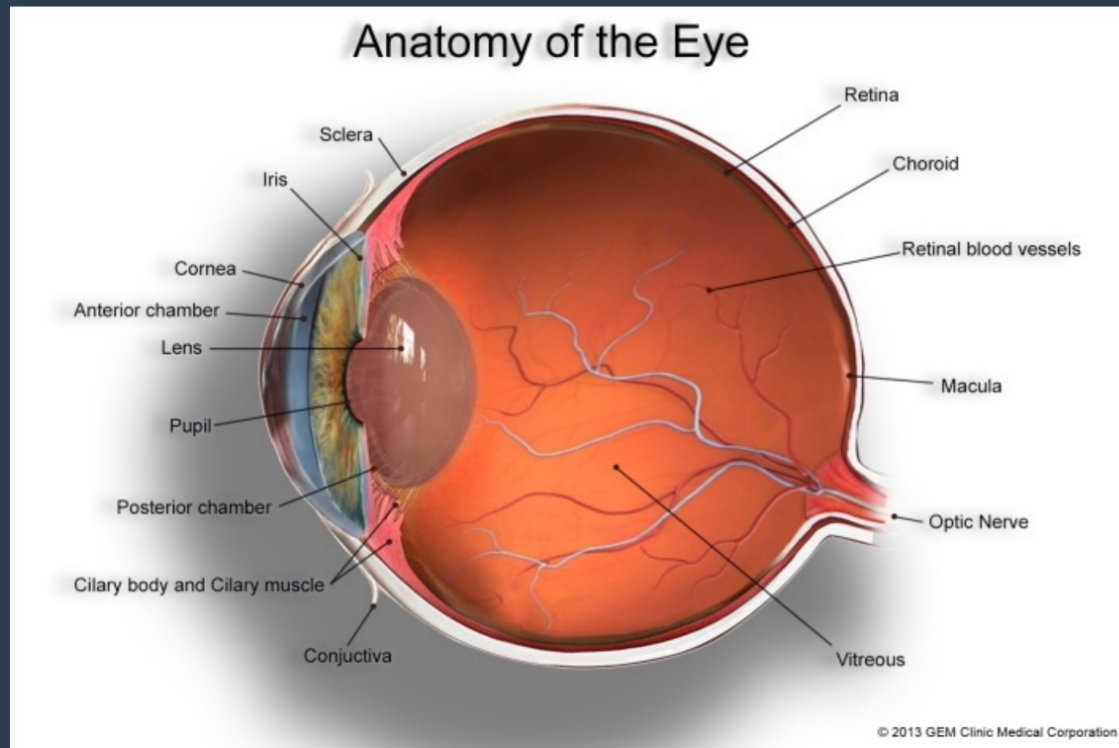


## WHAT AM I GOING TO GAIN FROM THIS PRESENTATION?

- *A better understanding of diabetic effects on the eye.*
- *Identify management of diabetic eye problems, including prevention and treatment.*

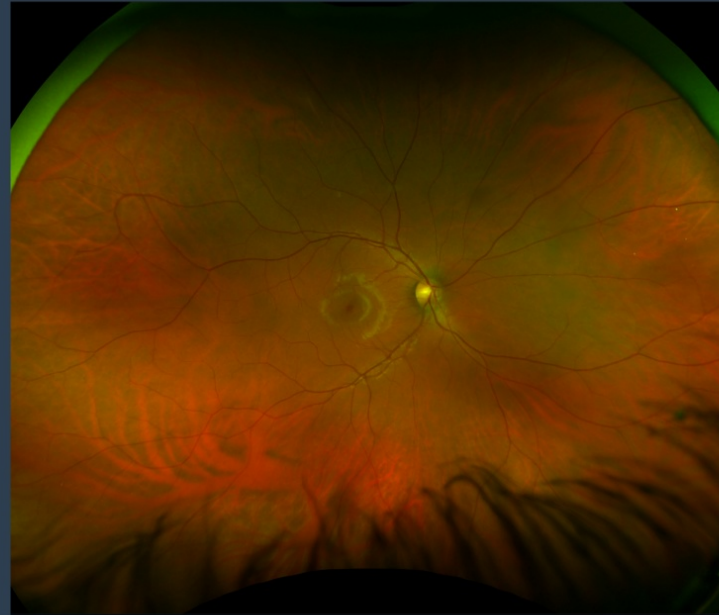


# QUICK ANATOMY LESSON



## *WHY DOES DIABETES AFFECT THE EYES SPECIFICALLY?*

Diabetes damages **SMALL** blood vessels and there are many small blood vessels in the eye (retina).



## *WHAT HAPPENS?*

### *NON-SIGHT THREATENING*

INTRARETINAL HEMORRHAGE

RETINAL BLOOD FLOW  
ALTERATION

MICROANEURYSM

COTTON WOOL SPOT

GLASSES PRESCRIPTION CHANGE

### *SIGHT THREATENING*

MACULAR EDEMA

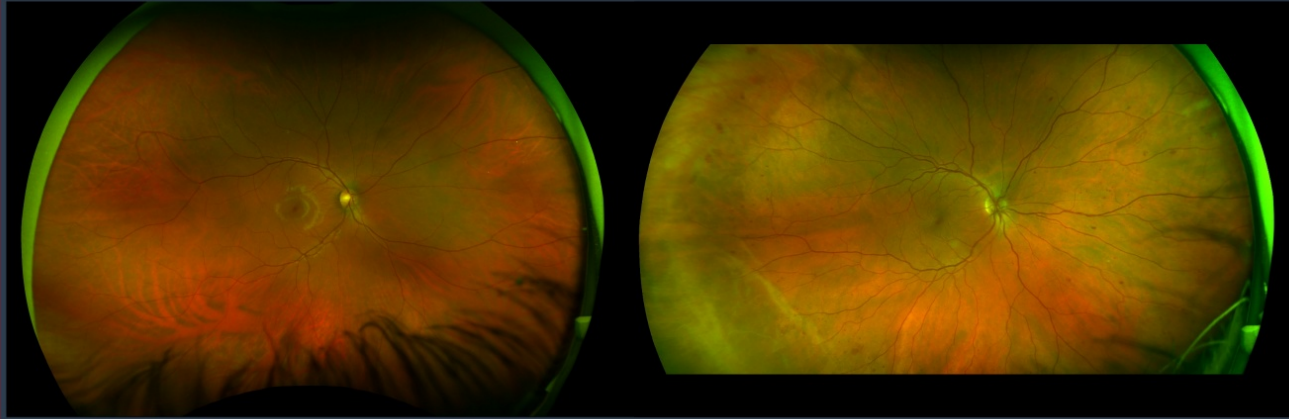
VITREOUS HEMORRHAGE

RETINAL DETACHMENT

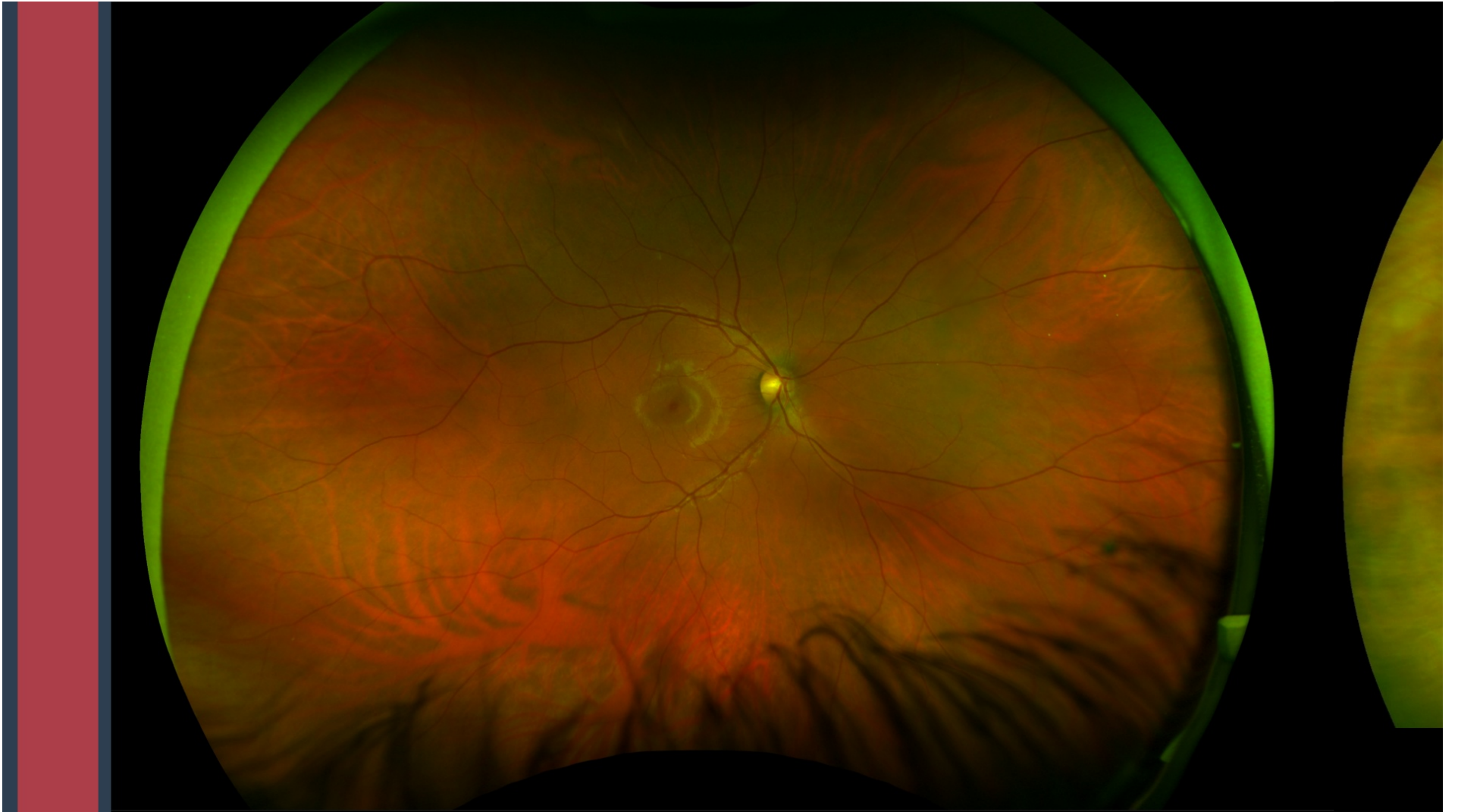
NEOVASCULAR GLAUCOMA

MACULAR NONPERFUSION

# WHAT DOES IT LOOK LIKE?









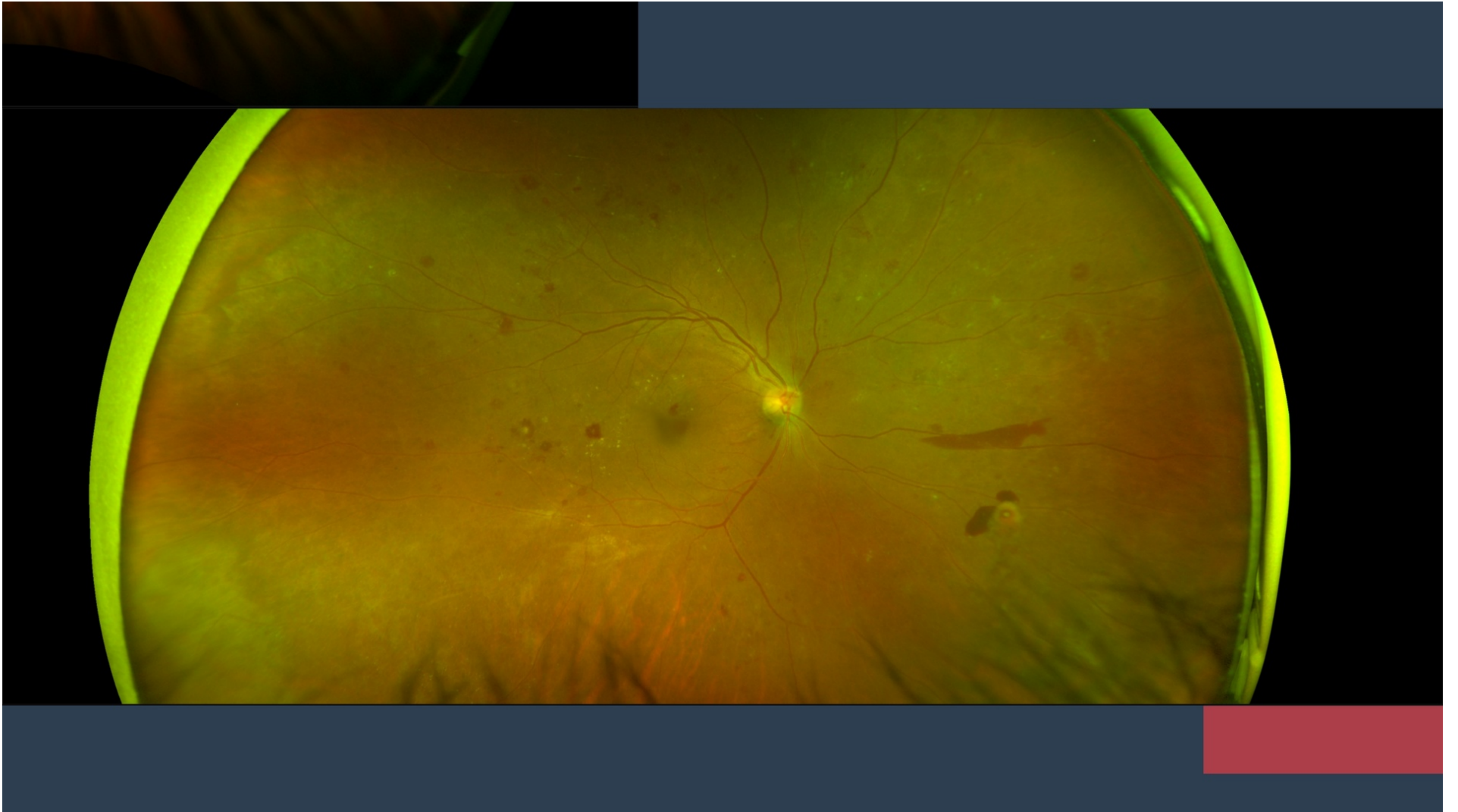


**WHAT DOES IT LOOK LIKE?**

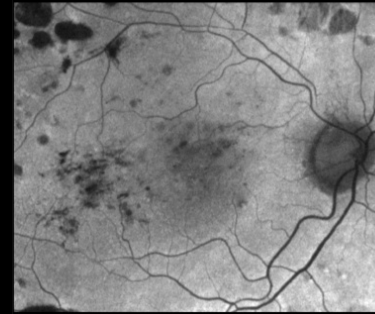
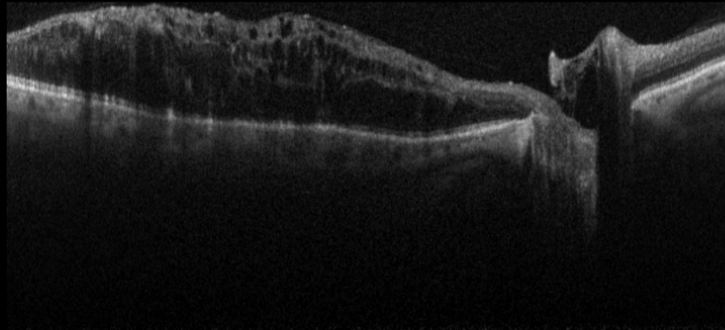


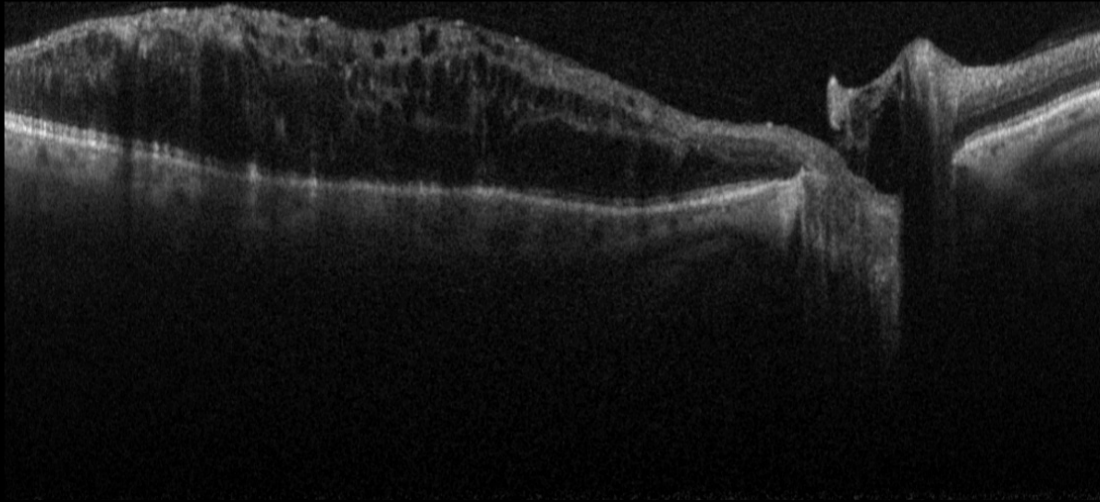
# WHAT DOES IT LOOK





## WHAT DOES IT LOOK LIKE?



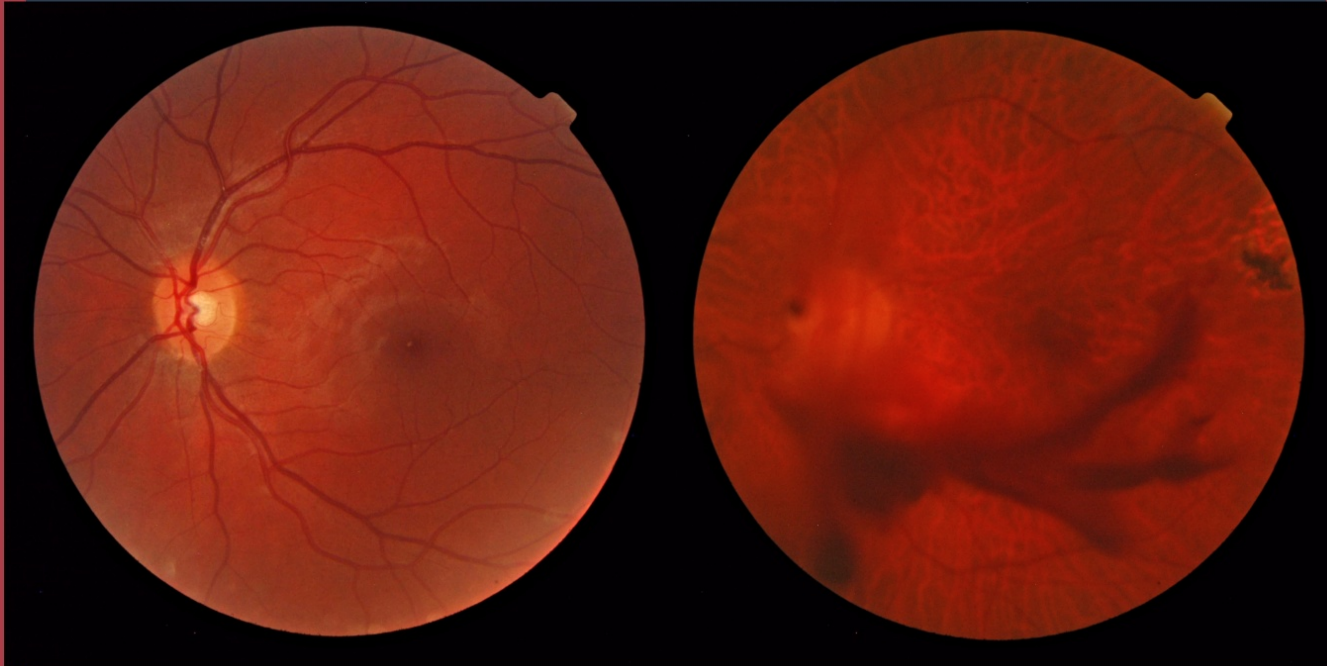






Fundus Camera (about 45°)

## WHAT DOES IT LOOK LIKE?





# TREATMENTS

# WHAT DOES IT LOOK



## TREATMENTS

1

GRID LASER

4

ANTI - VEGF

2

PRP

3

VITRECTOMY



