

## **Financial Disclosures**

Alimera, C/SH, H; Allergan, I, G; Apellis, I, G; AstraZeneca, I, G; Bausch & Lomb, C, H; Eli Lilly, I, G; Genentech / Hoffman-LaRoche, I, G; Gilead, O, H; Merck Sharp & Dohme, I, G; Opthea, I, G; Ophthotech, I, G; Regeneron, I, G; Spark, SH



















# **Risk Factors**

- 1. Age
- 2. Cigarette Smoking
- 3. Caucasian

### **Risk Factors**

- **1.** Family History of AMD
- 2. Higher Body Mass Index
- 3. Diet High in Saturated Fat
- 4. Cardiovascular Disease
- 5. High Cholesterol
- 6. UV Exposure











































### Prevention

AREDS vitamins were shown to slow the progression of the disease by 25% over 5 years

# **AREDS 2**

- Vitamin C (500 mg)
- Vitamin E (400 IU)
- Lutein (10 mg)
- Zeaxanthin (2 mg)
- Zinc (80 mg)
- Copper (2 mg)







# Recommendations

- 1. Wearing Sunglasses with UV protection
- 2. Weight Loss
- 3. Dietary Considerations







### Neovascular Age Related Macular Degeneration

Fatoumata Yanoga, MD Assistant Professor - Clinical Department of Ophthalmology The Ohio State University Wexner Medical Center

### Neovascular Age Related Macular Degeneration

- > Also called "Exudative AMD" or "Wet AMD"
- Affects about 10 percent of those diagnosed with AMD
- Historically this type of AMD caused irreversible devastating vision loss
- Accounts for the majority of people with severe vision loss (20/200 or worse in either eye) from AMD







# **Clinical Presentation**

- Metamorphopsia distortion
   Especially with near vision
- Scotoma- blind spot
- Micropsia- decreased image size
- Blurred vision
- No symptoms or only vague visual complaints



















### Optical Coherence Tomography (OCT)



- Optical Coherence Tomography has become standard of evaluation of CNV
  - Subretinal fluid
  - > Intraretinal fluid
  - Subretinal fibrosis
  - Atrophy to the photoreceptors and RPE







### Treatment of Wet Macular Degenerations

- > Thermal Laser
- Photodynamic Therapy
- Pharmacotherapy























### Are Intravitreal Injections Dainful? NO!!! Topical anesthetics (tetracaine, proparacaine, or lidocaine drops) Lidocaine 4% pledgets and/or injection subconjunctival lidocaine Many times patient don't realized it when the needle enters the eye











