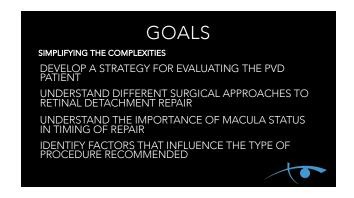
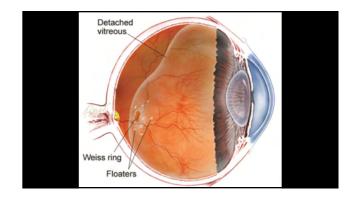
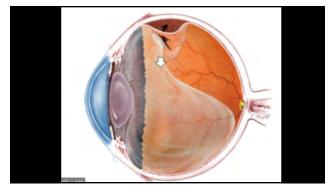




Retina Associates • Louisville office since 2013 • Jeffersonville office since May 2020







Floaters and Flashes

- Characteristic of flashes important
 - Distinguish from an ocular migraine
- Symptoms the same for multiple conditions
 - Acute PVD with no peripheral pathology
 - Acute PVD with peripheral tear
 - Acute PVD with retinal detachment

Floaters

- Acute floaters mainly PVD, but other diseases as well
- Chronic floaters more than 3 months
 - Usually neuroadapt after a month at most
 - In disabling cases, surgical intervention can be helpful

Exam for Floaters and Flashes

- Examination
 - Anterior vitreous slit lamp
 - Peripheral retina slit lamp
 - Indirect Ophthalmoscopy
 - Scleral depression
- Imaging Is Optos good enough?



ISOLATED FLASHES: 5.3%

FLOATERS ALONE: 16.5%

BOTH FLASHES AND FLOATERS: 20.0%

RETINAL/VITREOUS HEMORRHAGE: 30.0%

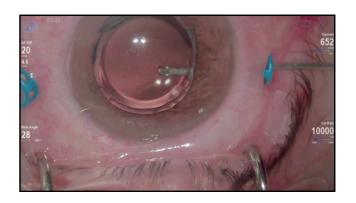
10 OR MORE FLOATERS/CLOUD: 20 TIMES RISK

If Unsure, When to Refer?

- By history
 - Severe symptoms (curtain/loss of vision)
 - High risk patient fellow eye, family history
- By exam
 - Vitreous pigment or hemorrhage
 - Uncertain exam

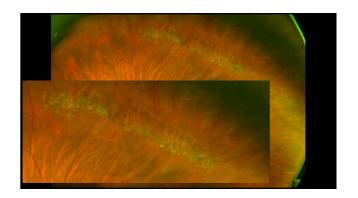
When Floaters Don't Go Away

- By history
 - Disabling to daily functioning
 - Have to think about seeing
- By exam
 - Vitreous clumps anteriorly
 - Not always evident on exam



Lattice

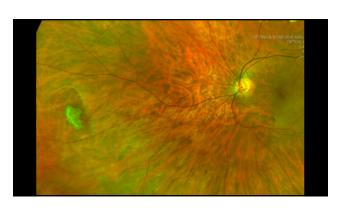
- Oval or straight area of retinal thinning in circumferential pattern
- 8% of population
- Increased risk of retinal detachment
- Treatment





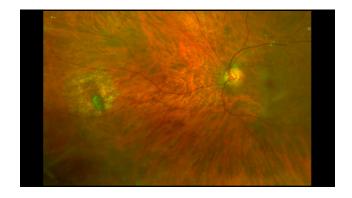
Peripheral Retinal Tears

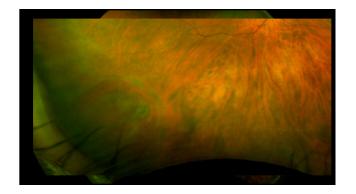
- Also known as Horseshoe Tears (HST)
- Asymptomatic uncommon
- Symptomatic
 - Floaters & Flashes
- Untreated, 50% chance of retinal detachment



HST Treatment

- Primarily treat with laser retinopexy
 In office laser with indirect or slit lamp laser
- Can also treat with cryotherapy
- 80% of patients that's all they need
 - 5% get RD, 5% another issue, 10% another HST

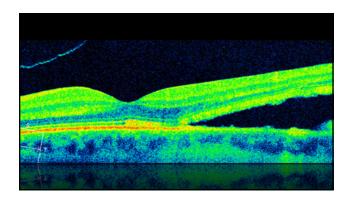






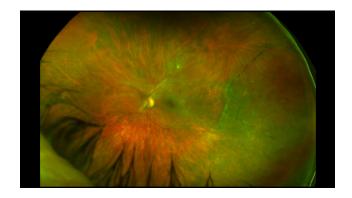
Retinal Detachment (RD)

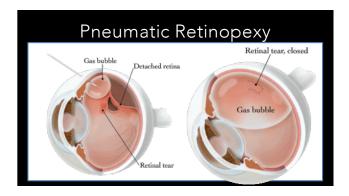
- Rhegmatogenous (RRD) retinal tear or hole caused RD
 - Macula on good vision, exam, OCT
 - Macula off poor vision, exam, OCT
- Serous Retinal Detachment
- Tractional Retinal Detachment (TRD)

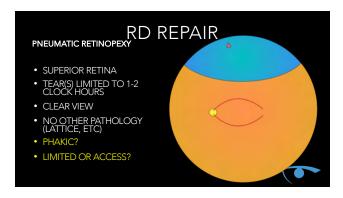


RRD Treatment

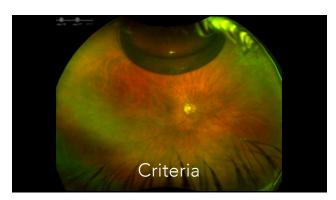
- Laser
- Pneumatic Retinopexy
 - In office gas bubble followed by HST treatment
- Vitrectomy
- Scleral Buckle, or Buckle/Vit

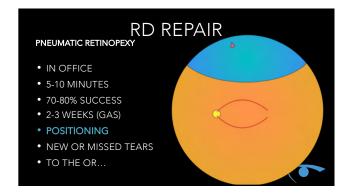




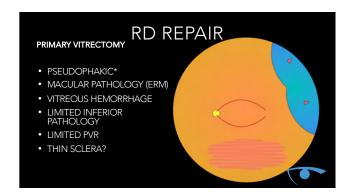


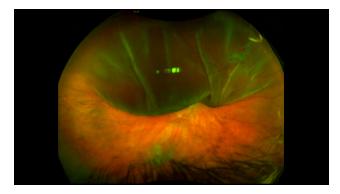


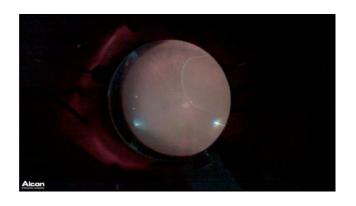


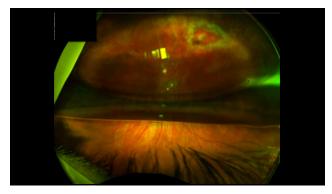


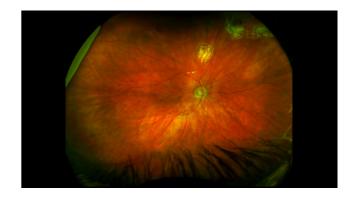


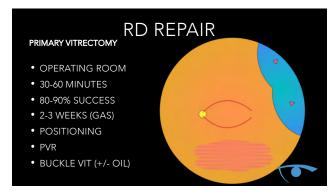


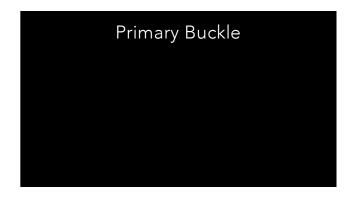


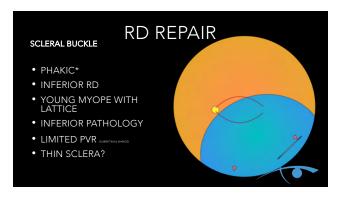


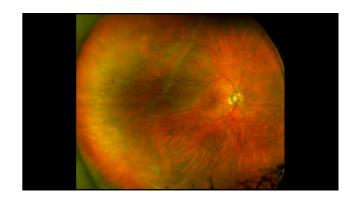




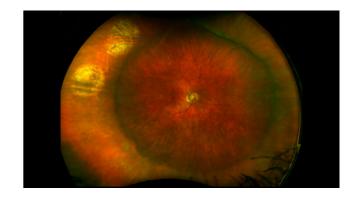


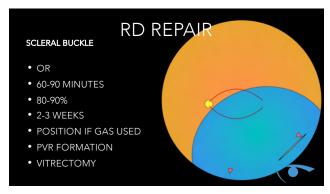


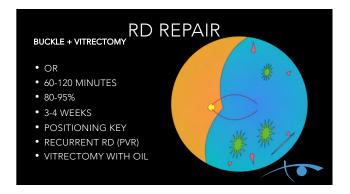








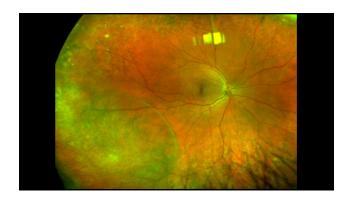


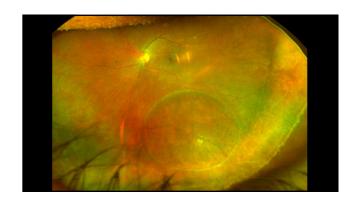




Retinoschisis

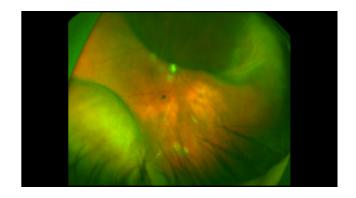
- Retinoschisis is a splitting of the retinal layers
 - Age related between INL and OPL
 - Juvenile often central
- Typically not treated, doesn't threaten
- Distinguishing it from an RD

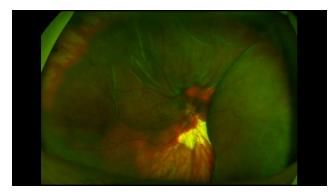




Choroidal Detachment

- Typically have a history of hypotony
 Post glaucoma or cataract surgery
- Can get it primarily in high hyperopia
- Typically less urgency than RD

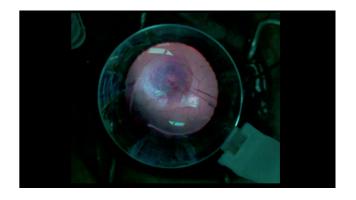




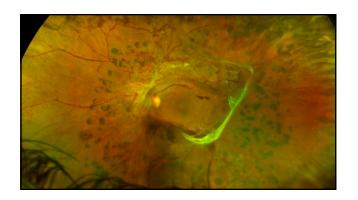
Serous RD

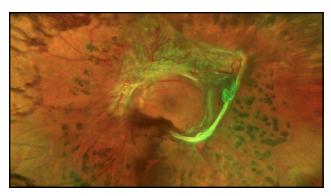
- Typically see with uveitis or tumor
- Appearance different
 - Smoother surface
 - Typically have pain
- Surgery doesn't help

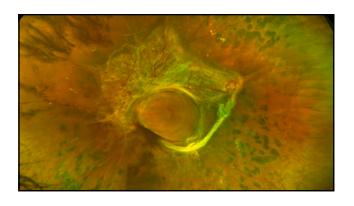




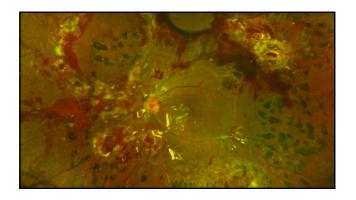


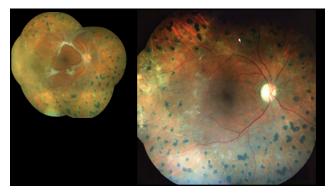


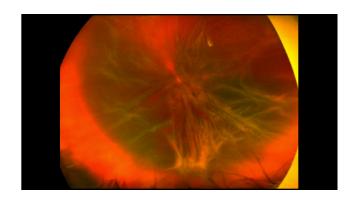


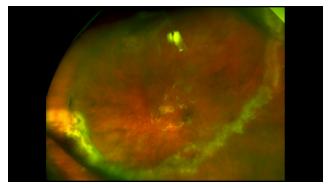


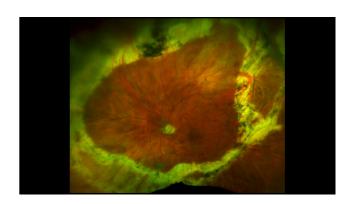












GOALS SIMPLIFYING THE COMPLEXITIES DEVELOP A STRATEGY FOR EVALUATING THE PVD PATIENT UNDERSTAND THE IMPORTANCE OF MACULA STATUS IN TIMING OF REPAIR UNDERSTAND DIFFERENT SURGICAL APPROACHES TO RETINAL DETACHMENT REPAIR IDENTIFY FACTORS THAT INFLUENCE THE TYPE OF PROCEDURE RECOMMENDED

