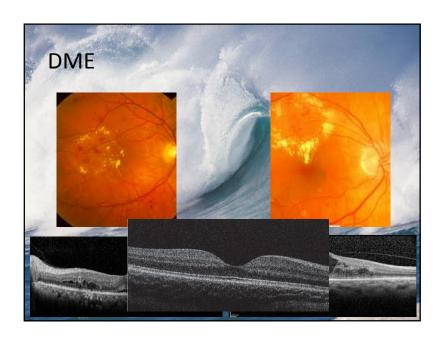
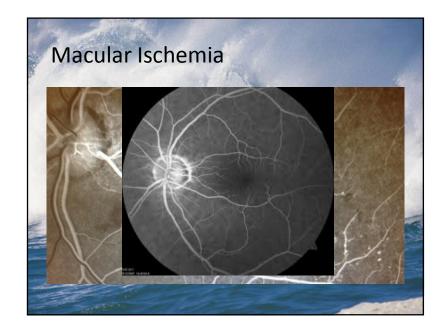


Diabetic Macular Edema (DME)

- Symptoms: *Gradually* worsening blurry vision
- Diagnosis made clinically (OCT and Fluorescein angiography are helpful adjuncts)
- May be focal or diffuse
- ETDRS established focal laser as standard of care...other treatment options now include anti-VEGF injections
- DME may worsen following PRP and Cataract surgery



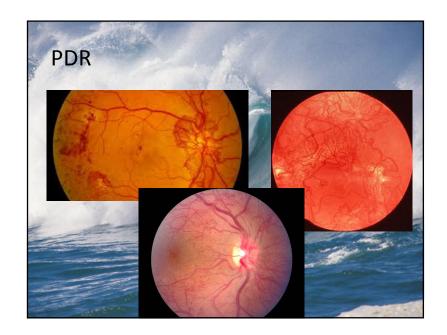


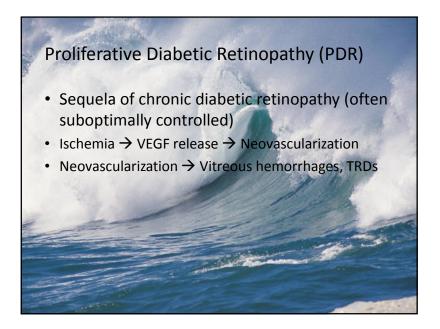
NPDR Treatment

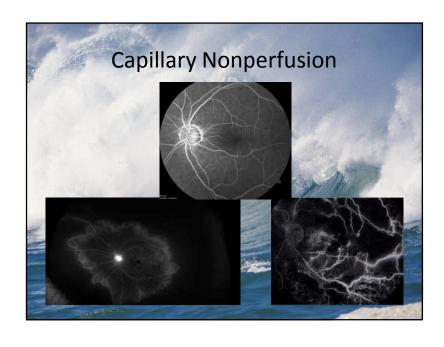
- BLOOD GLUCOSE control optimization is the mainstay of therapy for NPDR without DME.
- · DME: Injections and laser
- Macular Ischemia: No available treatment
- Regular monitoring for stability vs regression vs worsening of DR is crucial...involves a concerted effort with both specialist and PCP
- Other suboptimally controlled vascular diseases can contribute to retinopathy progression

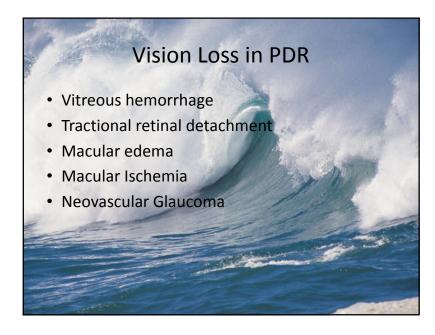
Monitoring Intervals • Mild NPDR: ANNUALLY • Moderate NPDR: BI-ANNUALLY/6-months • Severe NPDR: Every THREE months

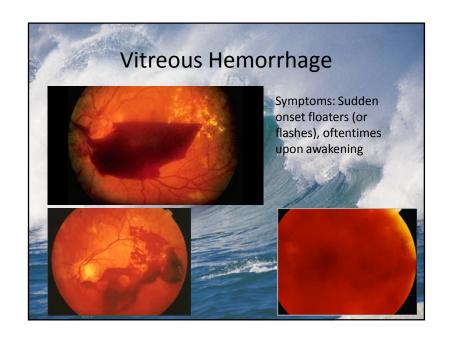
Non-proliferative (NPDR) • Microaneurysms • Flame-shaped and blot hemorrhages • Dilated retinal venules • Yellow exudates • Cotton-wool spots Proliferative (PDR) • All NPDR findings! • Retinal neovascularization • Vitreous hemorrhages • Retinal detachment

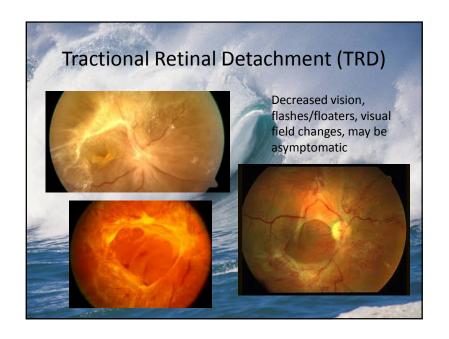




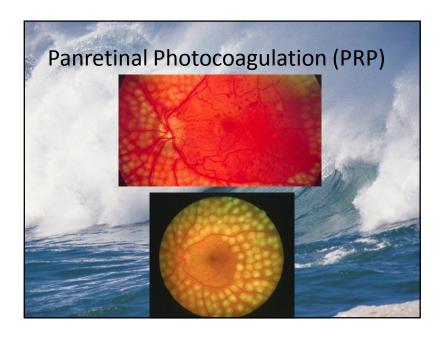






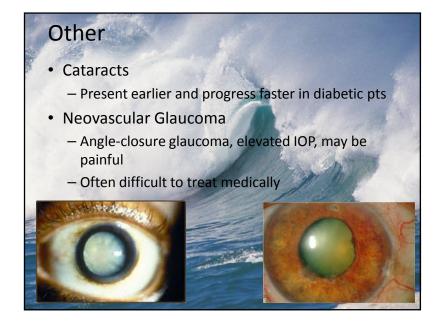






Surgical Management of Diabetes Indications for surgery (PPV) in diabetic patients: Non-clearing vitreous hemorrhage (NCVH) Tractional detachment threatening macula Combined tractional and rhegmatogenous retinal detachment Recurrent vitreous hemorrhages despite adequate DRD PRD





Prognosis With reasonably timely examination and follow-up, most patients enjoy excellent vision for most of their lives. Poor visual outcomes are most often associated with delay in diagnosis of DR, chronically suboptimal glycemic control, and noncompliance with follow-up

Key Points Concerted effort with both specialist and PCP is important Optimization of glucose control is paramount — BP control important also Suboptimally controlled patients should be counseled regarding concerning symptoms With reasonably timely examination and follow-up, most patients enjoy excellent vision for most of their lives.

