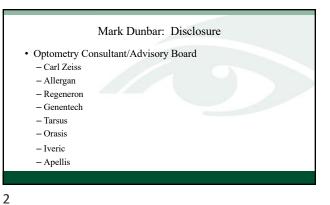
Advances in Understanding Geographic Atrophy

Mark T. Dunbar, OD, FAAO Bascom Palmer Eye Institute University of Miami Health System Miami, FL 33136 mdunbar@miami.edu



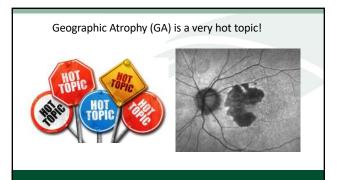


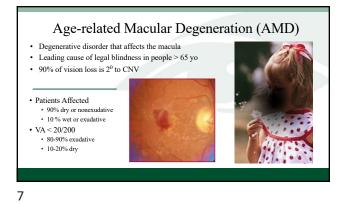
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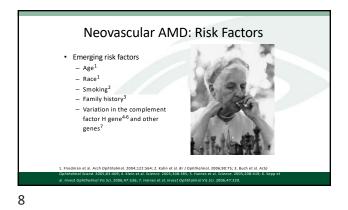


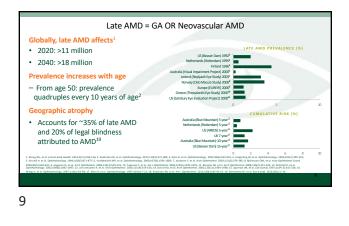


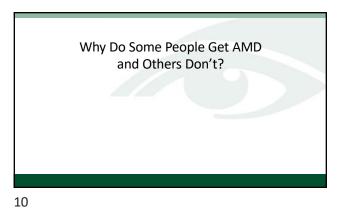


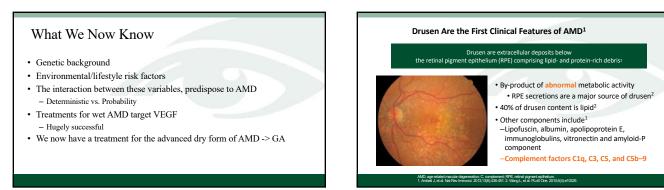


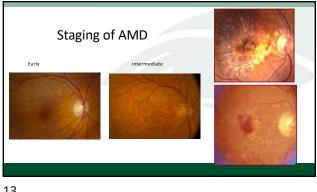


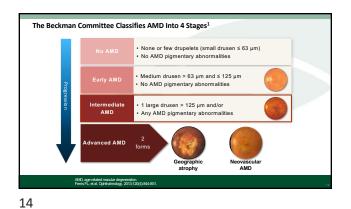


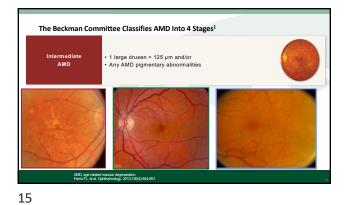




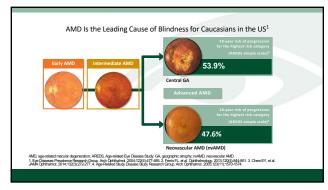


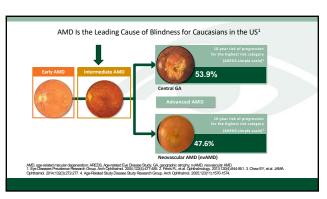






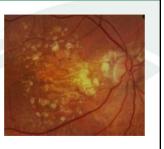




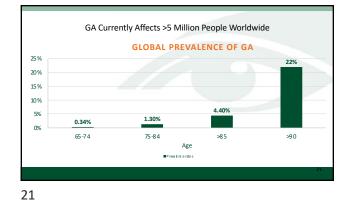


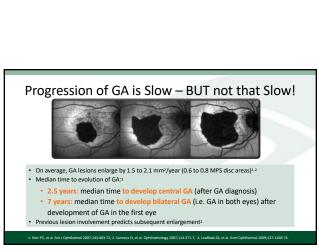
Geographic Atrophy

- Advanced/late form of dry AMD
- Atrophy of the RPE and photoreceptors









GA Is More Common Than We Realize?

In part because there was no treatmentThe focus has been detecting the

• We haven't been looking for it

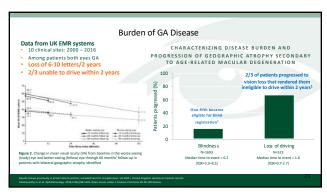
conversion from dry to wet
Often starts extrafoveal and small

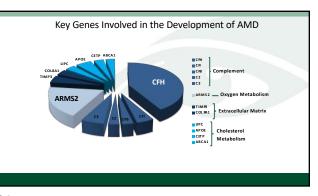
Unless you are looking for it – you may not

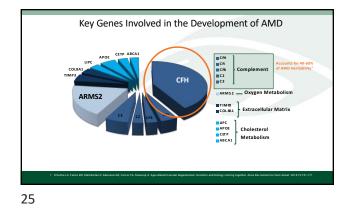
realize that it is present

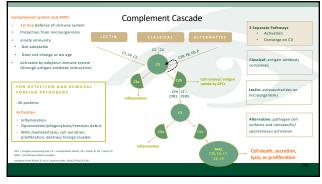


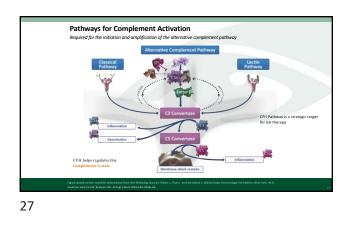
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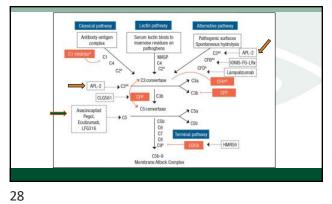


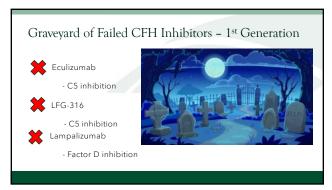




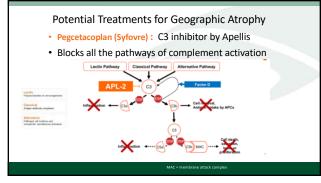




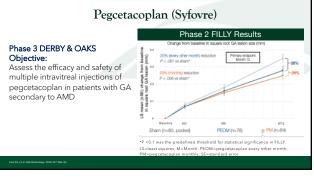




NOVEL THERAPIES FOR GA THAT TARGET THE COMPLEMENT PATHWAY								
tudy drug (Company)	Complement Target	Delivery Method	Current Trial Phase	Most Recent Trials	Study Status			
vacincaptad pegol veric Bio)	CS	IVI	3	GATHER2 GATHER1	Complete			
egcetacoplan Apellis)	C3	IVI	3	OAKS, DERBY	Complete			

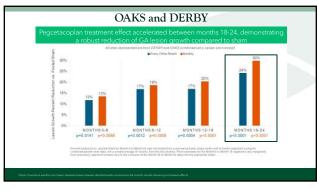


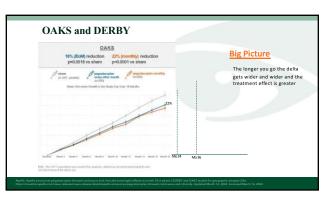


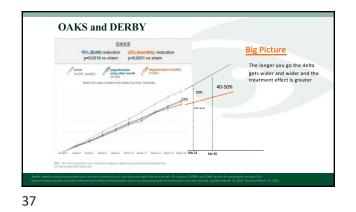




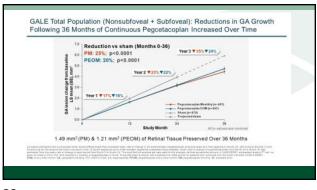




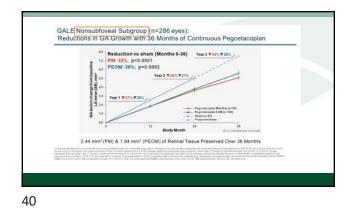


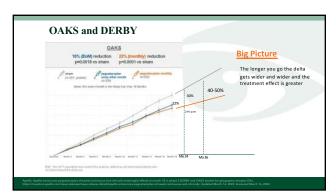


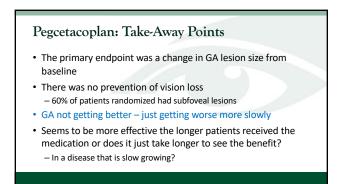


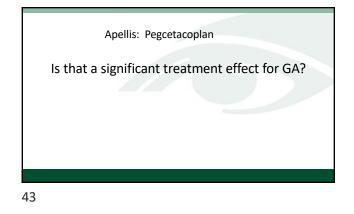


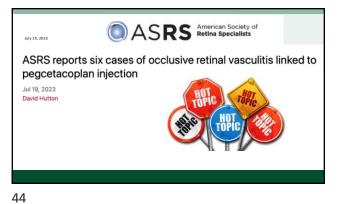








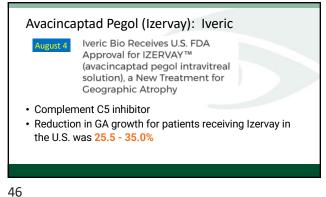


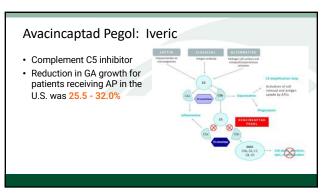


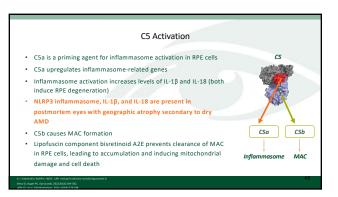
Pegcetacoplan (Syfovre) – Serious Adverse Events (SAE's) Here is what we know
July 15 initial email from ASRS describing 6 cases of occlusive retinal vasculitis
Developed between 7-13 days after initial injection
To date: 83,000 total injections

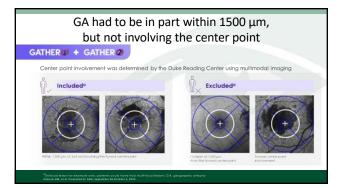
1 in 10,000 risk
Lower than endophthalmitis
Is that an acceptable risk?

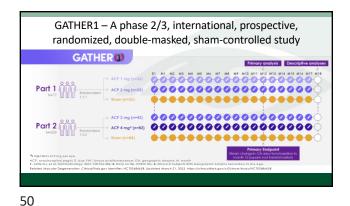
Retinal specialists are "spooked"
AAO: IOI = 0.26% per injection among all patients treated

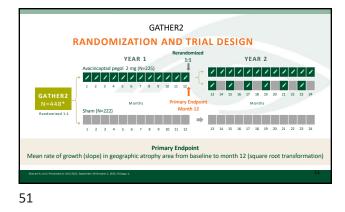


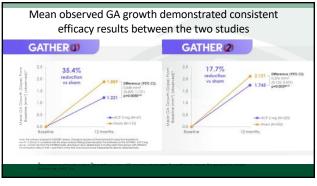




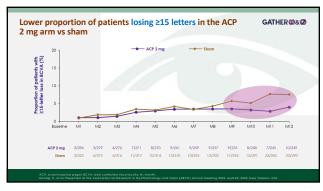


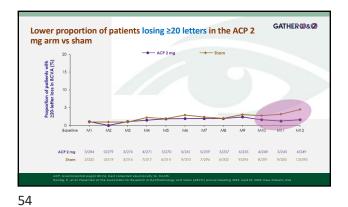


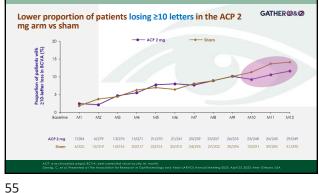


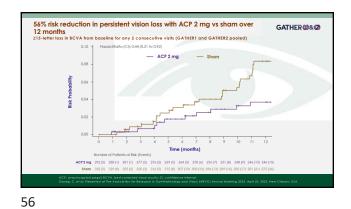


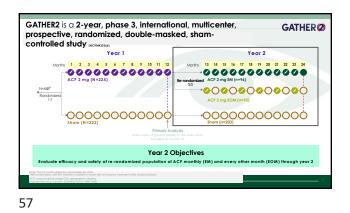


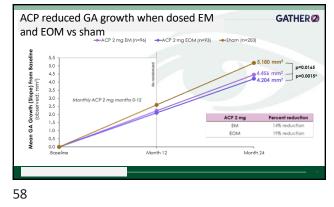


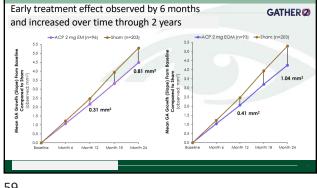


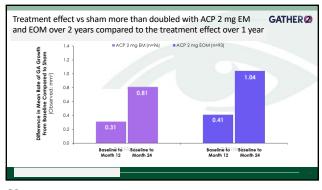




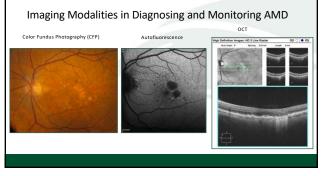


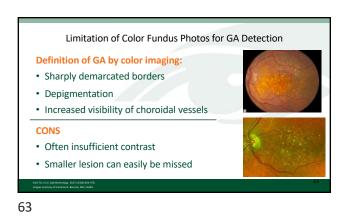


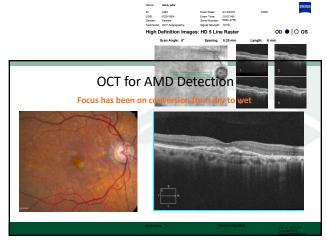


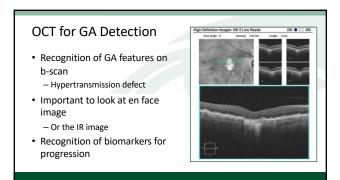


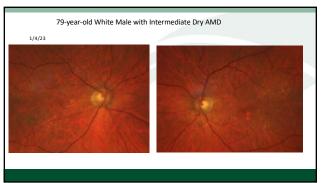
Project (company)	Zimura (I	veric Bio)	Int	ravitreal pegceta	acoplan (Apellis)			
Trial	Gather2	Gather1	Derby		Oaks			
			Monthly	Every other mnth	Monthly	Every other mnth		
Change in GA area vs sham at 12mo	14%*	27%*	12%	11%	22%	16%		
p value	0.0064	0.0072**	0.0528 (N/S)	0.0750 (N/S)	0.0003	0.0052		
Choroidal neovascularisations	7%***	9%***	7%^	3%^	5%^	5%^		

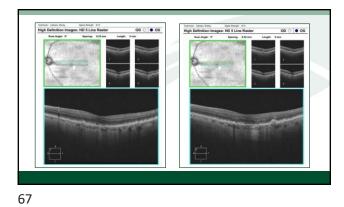


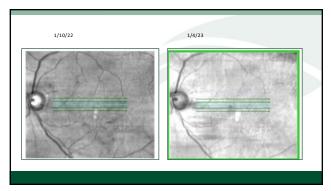




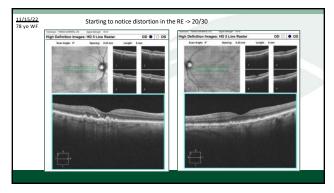








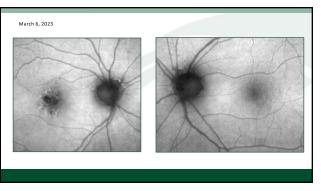




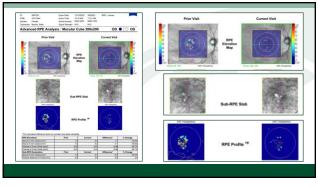


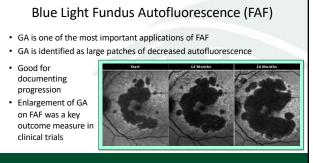


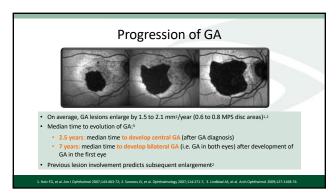


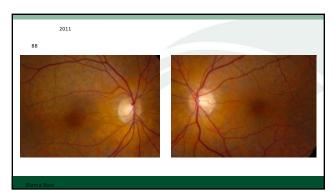






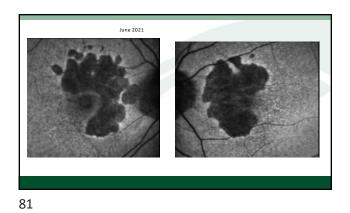


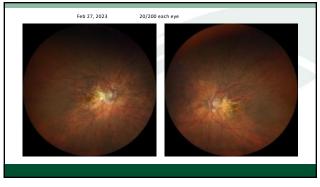


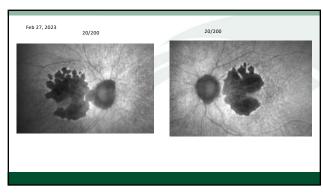






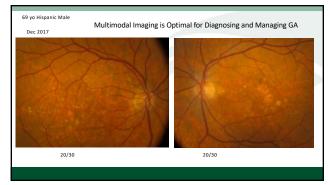






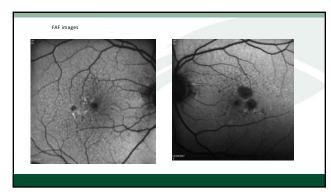


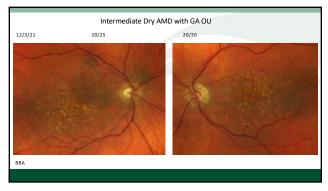




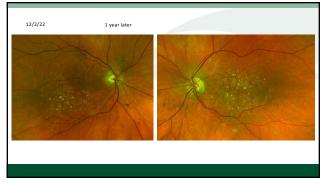




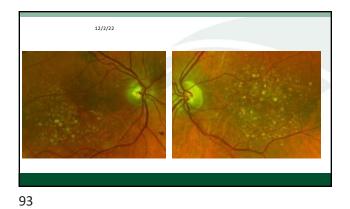


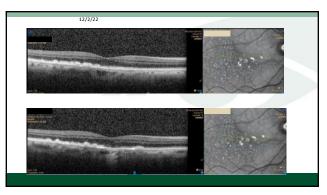


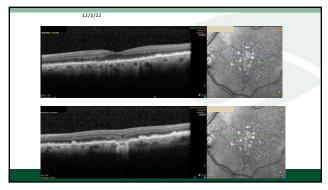


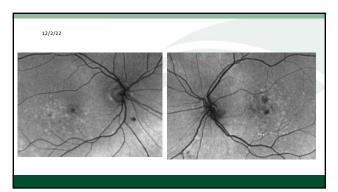












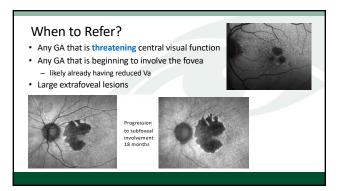
Optimizing Referral Patterns

• Early diagnosis

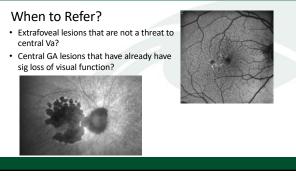
- Recognizing GA is much more prevalent than we think

- Using OCT/FAF imaging to confirm diagnosis
 - Establish a baseline
 - Rate of progression
- Determine proximity to the fovea -> risk of vision loss

97



98



99

Where we are today with GA?

- 2 FDA approved treatments
- Monthly (or every other month) intravitreal injection
- Izervay may work more quickly

 But slightly higher risk of CNV
- Syfovre may have an increased risk of IOI