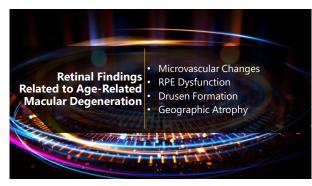
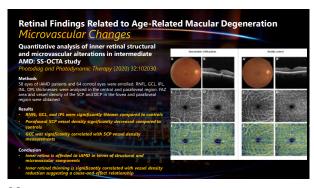
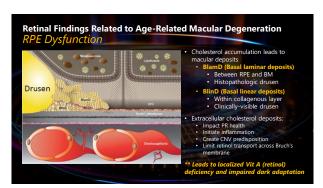


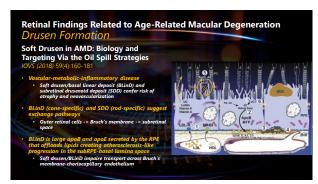
Epidemiology	
progression of age-related macula	
Signal Transduction and Targeted Therapy (2	
 Built AMD life-risk score model for assessmen 	ed AMD and 271 cases with intermediate AMD nt of progression from intermediate to advanced AMD or GA progression or choroidal neovascularization progression
<u>Lifetime Risk</u>	7-Year Progression to GA Risk
	1) BMI
2) BMI	2) Smoking
	3) ABCA1
4) Smoking	4) CETP
	5) CFI
5) C3	
5) C3 6) ARMS2	6) CFH

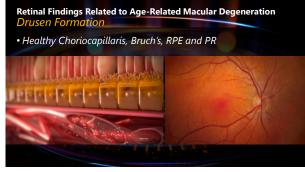
Age Related M AREDS Crite		egeneratio	n		
	FIRST EYE (Must have VA >20/32, no advanced AMD and no disqualifying lesions)				SECOND EYE
	AMD Category	Drusen Size*	Drusen Area*	Pigment Abnormalities**	
* Drusen or GA	1	None or <63um	<125um diameter	None	Same as 1st
** Pigment abnormalities within 1DD of fovea	2	Or >63um, <125um None if pigment abnormalities	>125um diameter Or >1 druse	Absent or Present WITHOUT GA	Same as 1 st or Category 1
*** Advanced AMD is: 1) GA involving fovea 2) CNVM development	3a	>63um, <125um Or >125um None if GA present	>360um diameter (if soft drusen present) >6556um diameter (if soft drusen absent) Or At least 1 druse	Absent or Present WITHOUT central GA	Same as 1 st or Category 1,2
	4a	Category 1,2 or 3			Advanced AMD***



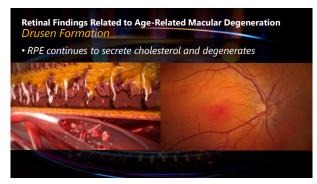


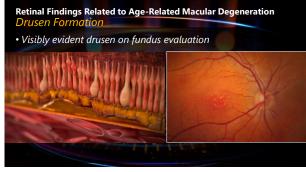


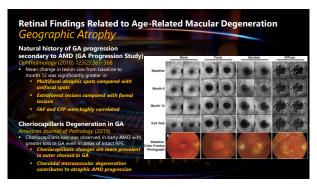








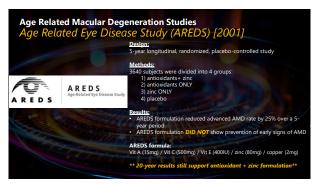


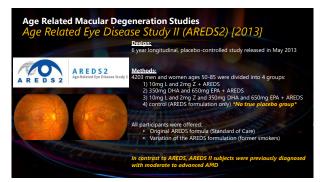


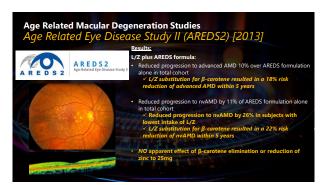


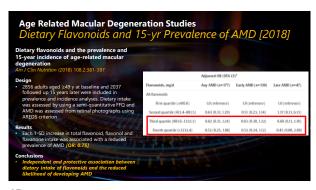






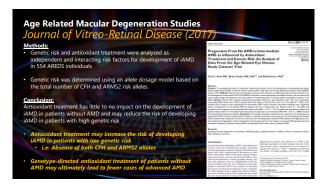


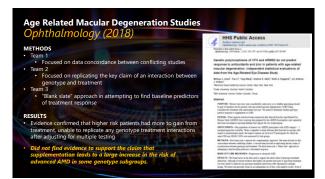


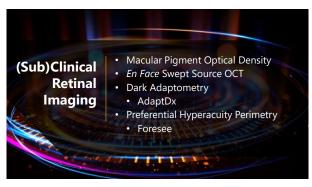


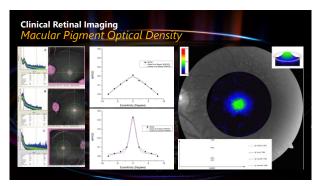


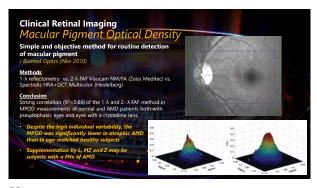


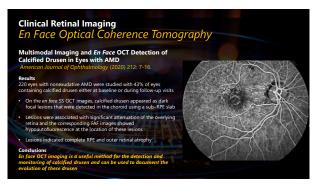


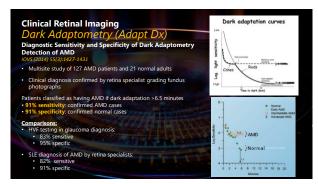


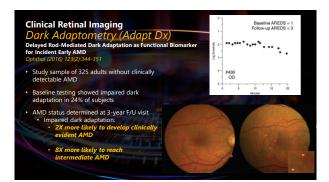


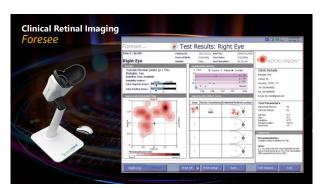








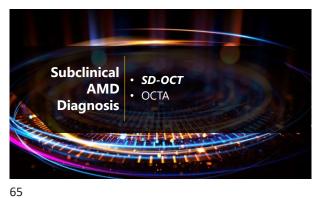


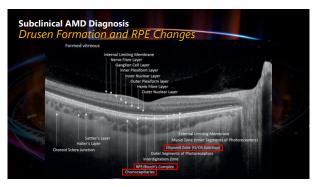


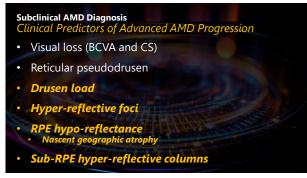
Readjusting our point of view to preventable vision loss



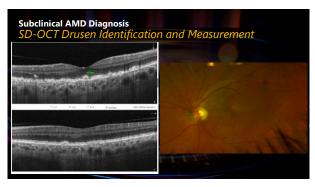
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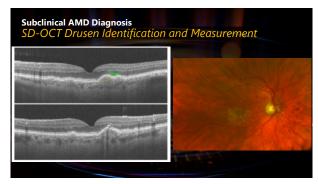


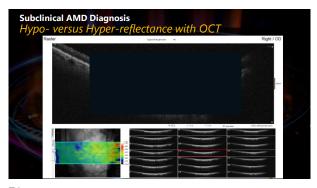




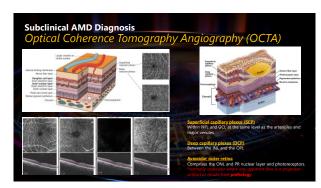


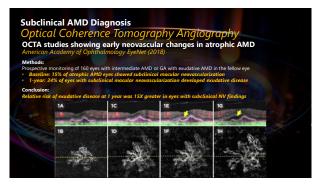


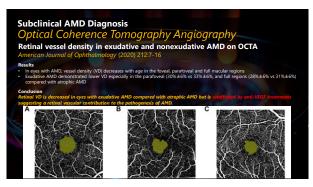


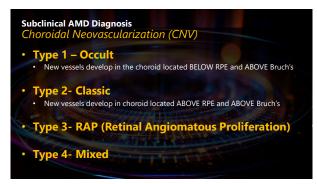


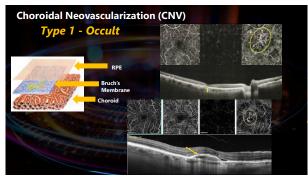


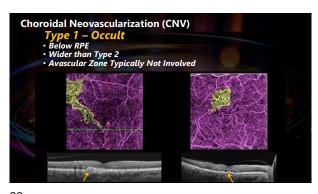


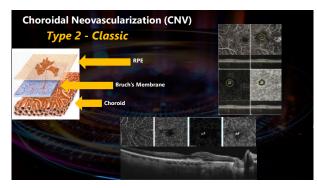


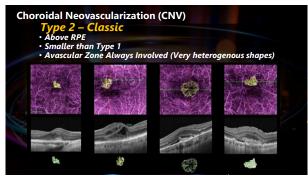


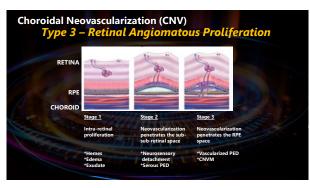


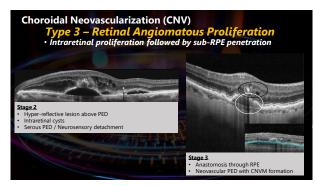


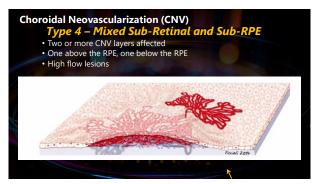


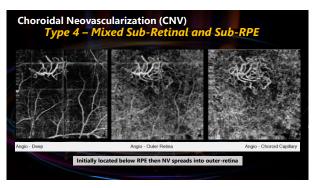


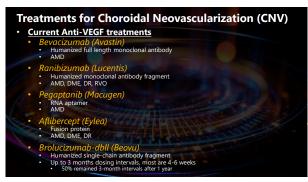


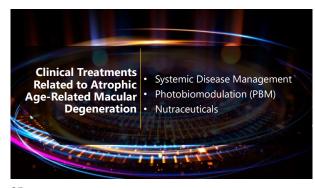


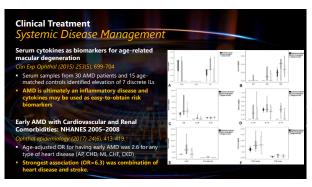


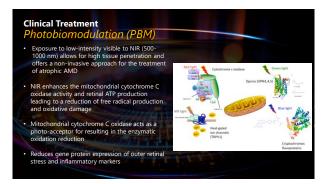




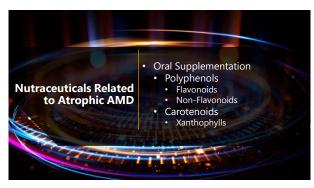


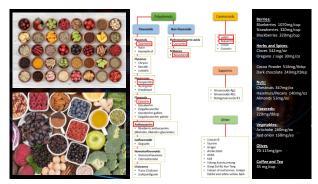




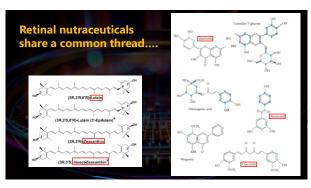


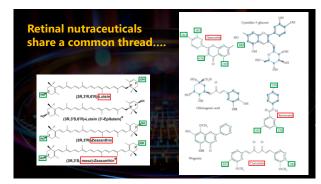


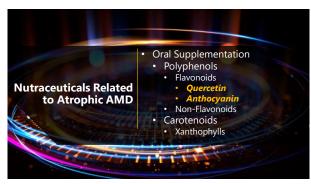


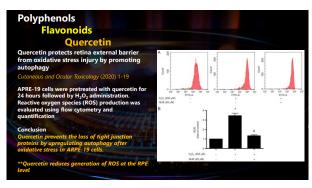


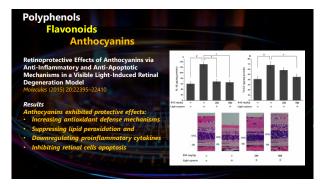




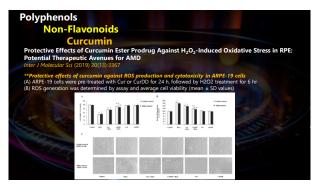


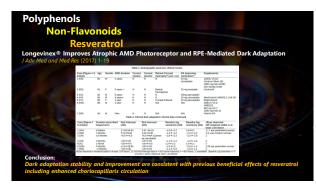








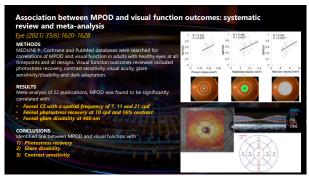




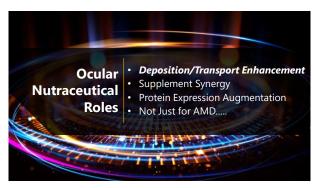


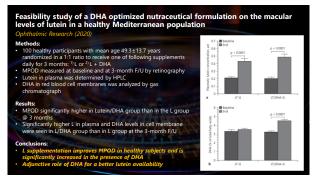


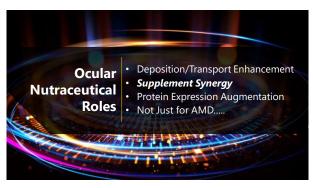


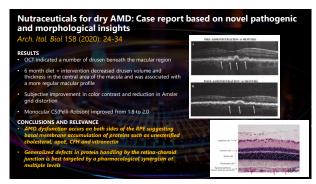


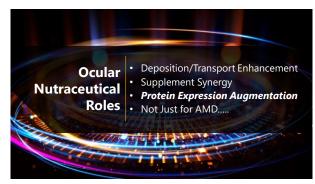


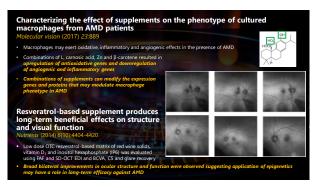


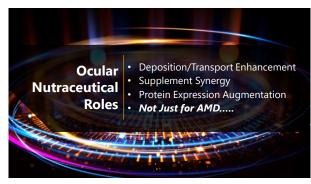


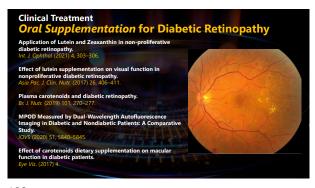


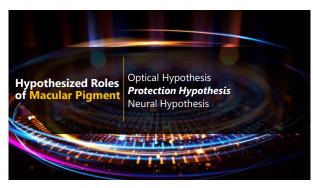


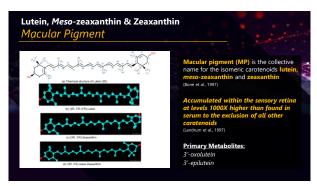


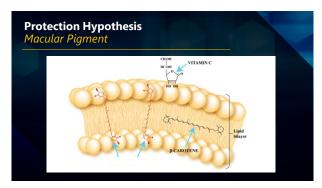


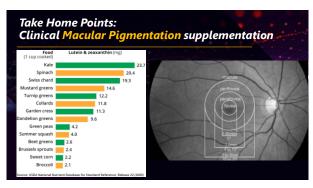


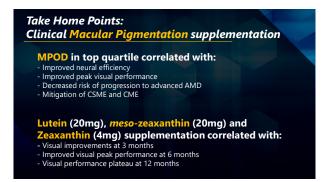






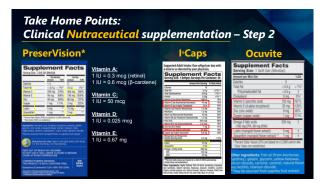


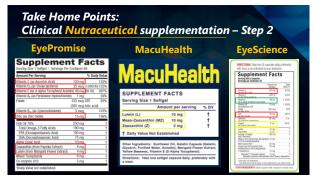




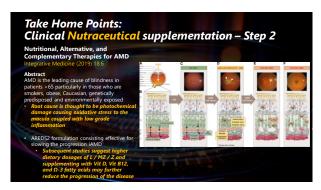




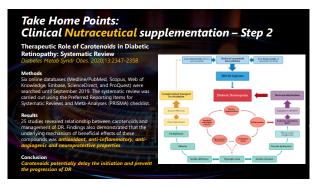




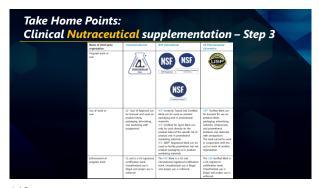








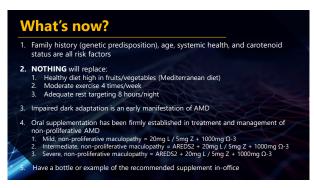


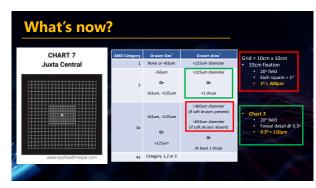


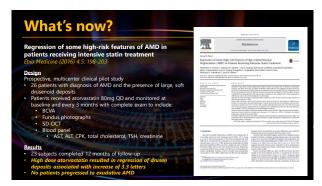








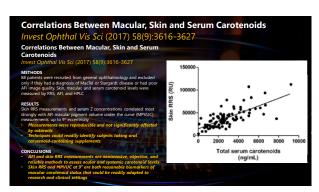




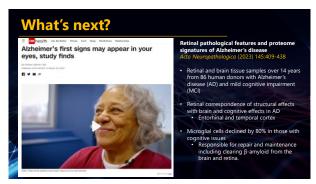


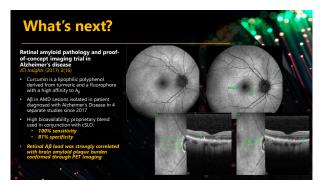


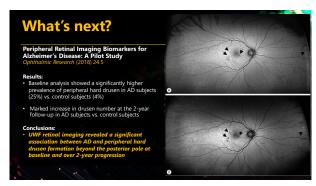










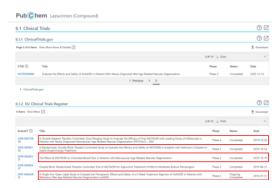


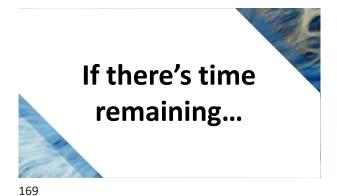






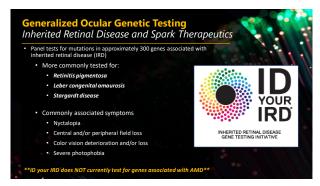
newly diagnosed	neutic effects of orally administered AKST4290 in neovascular age-related macular degeneration 10.1097/IAE.0000000000003446
diagnosed nAMD self-adm examined weekly for safet exploratory morphological baseline to end of treatme	enter, open-label Phase 2a pilot clinical study, 30 patients with newly ininistered AKST4290 (400 mg) orally twice daily for 6 weeks. Patients were y, to measure best corrected visual acuity (BCVA), and to perform lassessments. The primary endpoint was the mean change in BCVA from nt, and the secondary endpoint was safety. Exploratory endpoints nges in macular morphology.
	+7.0 letters (95% Cl, 2.2–11.7); 24 patients (82.8%) had stable or improved $ng \ge 15$ letters. No patients experienced severe or serious adverse events
patients with treatment- and no safety issues were	574290 treatment was associated with improved BCVA scores in naive nAMD. All adverse events (AEs) were mild or moderate in severity identified. Treatment of nAMD with AKST4290 warrants further id, placebo-controlled trials.

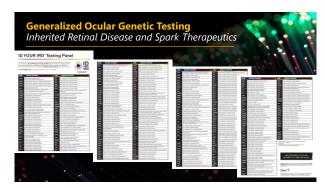


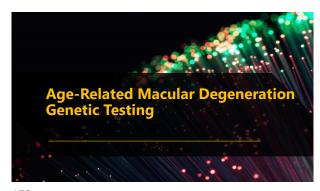


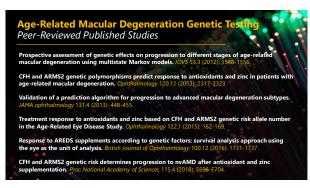
Genetic Testing for Ophthalmic Conditions

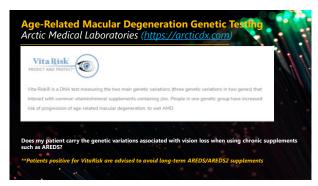
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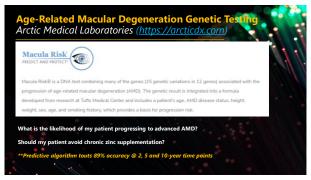


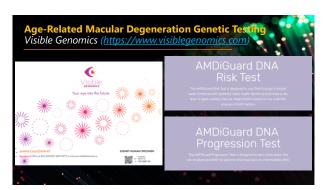












Age-Related Macular Degeneration Genetic Testing Take Home Points	
Excerpts from AAO Recommendations for Genetic Testing of Inherited Eye Diseases	
Use CLIA-approved laboratories Avoid direct-to-consumer genetic testing without involvement of ECP Request estimates of pathogenicity of observed genetic variants	
Nequest estimates or parinogenicity or observed generic variants Nooid unnecessary parallel testing	
Order DDx-specific testing	
 Avoid routine genetic testing for complex disorders Specific treatment or surveillance strategies are required to show benefit 	
Avoid testing asymptomatic patients with untreatable disorders	-