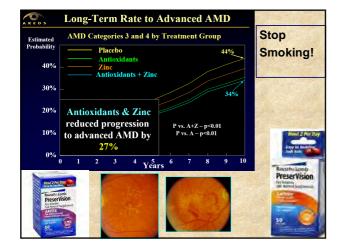


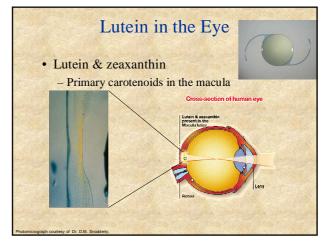
Age-related Macular Degeneration -Who is at risk? • Increasing Age >55 - 80's esp Wet AMD • Heredity - Genetic • Poor diet and nutrition Positive smoking history • History of prolonged exposure to intense light • Gender – female sex . Race - white people with blue coloured iris . Raised blood pressure - Hypertension • Raised cholesterol •

Macular Degeneration Developments		
Early AMD	- Antioxidant/Zinc Story	
• Large Drusen	- Sub threshold Laser - Argon/Diode	
• Wet AMD	 Anti-VEGF (Lucentis /Avastin) Photodynamic Therapy Argon Laser Traditional treatment Surgery / VIP 	
• Untreatable	- Blind Registration - Visual rehabilitation	

Nutrition and AMD

- Basic laboratory and clinical research suggest
 that nutritional factors may be associated with AMD
- Animals, including primates, that are deprived of nutrients with antioxidant potential are more prone than those not deprived of such nutrients, to develop retinal degeneration and this effect is enhanced by bright light
- Animals given nutrients that have antioxidant potential are less likely to demonstrate retinal degeneration
- Clinical studies conducted in human subjects indicate that certain dietary components could help maintain good ocular health and also retard progression of Age related macular degeneration
 Which antioxidant nutrients are important?



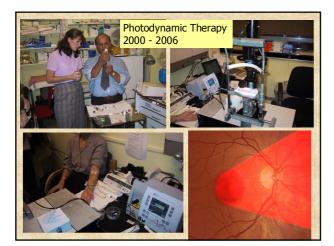


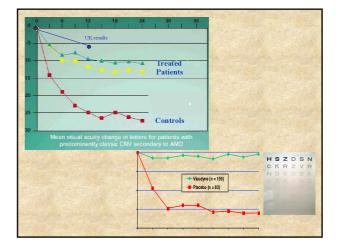
Omega 3 Fish oils

- Fatty acids having anti-inflammatory action
- Anti-Angiogenic
- Reduced risk of AMD in people who have diets rich in Omega 3
- Mackerel, sardines, Anchovies and Tuna
- 1000mg Fish Oils Supermarket
- Flaxseed oil for Vegitarians
- Balance Omega 6 and 3 Use Cooking oil rich in Omega 3 eg Walnut oil.

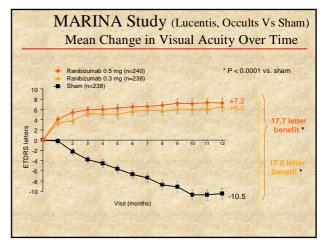
AREDS II study 2013 Results

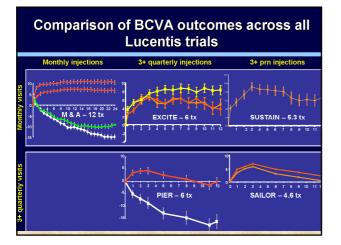
- Retinal Photoreceptor Protection – Zinc, VitC, VitE, Vit A
- OMEGA 3 Fish oils Anti-Inflammatory
- Lutein Natural sunglasses
- AREDS II 2013

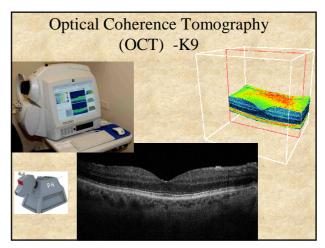


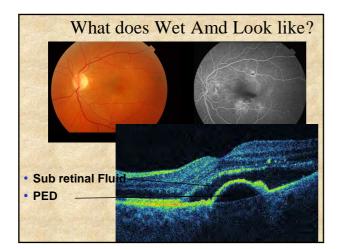


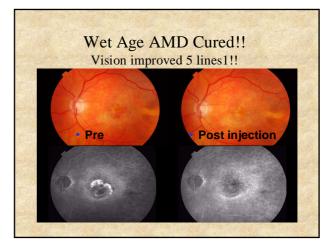


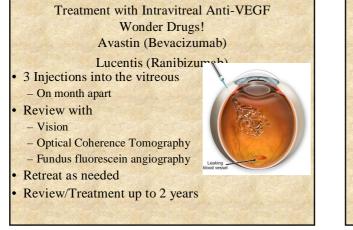


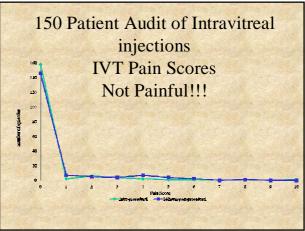


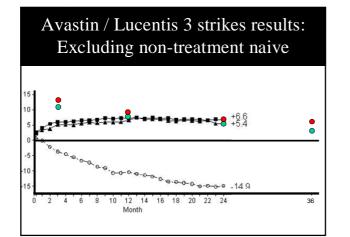












New AMD therapies being investigated 650 Trials!!

Complement cascade inhibition

- POT4 - (C3 binder)

- ARC1905 (Archemix)

- C5a receptor antagonist
- Eculizumab (C5a Ab)
- Normal complement factor H
- nAchR antagonist
- Nuclear factor kappa B inhibition Integrin inhibition

• PDGF-B inhibition

• Polyamine analogues- CGC11047 Mecamylamine

- OT-551 eyedrops
- Hypoxia-inducible gene RTP801
 - inhibition
- Targegene 100801
- Infliximab, Sirolimus, Daclizumab
- adPEDF

• Tubulin inhibition (Zybestat)

Untreatable AMD Routing referred for UM accessments	Drusen Refer only if fulfills guidelines on form	AMD server if Latities packetines on form	DATE
	Think a		WET AMD RAPID ACCESS REFERRAL FORM FOR FFA
Distribution Scale: Extension with retained recession and opported charges at the racular. This shame advanced feasing which is not appropried for the instrument.	Multiple chusin and pognett change.	Fatzerg of sure mergine degrees address and the sure of the sure o	PATIENT DETAILS NAME : DOB : HOSPITAL NO: ADDRESS : (Finnew) CONTLAT TEL NOS :
9		In this eye is \$ / 60 ar lief.lax.	GP NAME: GP SURGERY:
Date of Perpansive: Angua	-		OPTOMETRIST DETAILS (please print, do rot use a stamp) NAME : COORDAWY (GOC NO: ADDRESS: TEL: FAX: AFFECTE DEYE : ROHT
Desemption: 2000pts: You'ran fan o' Mediadol XXV (by Shaning statistic what allogidy) i Shaning statistic The parked is not autom for function.	Myopic eye with central gives devided also anyowed horses of the second consolid neuroscience and the second of the second house only any second of the second of the this eye is 5.7 60 ar better.	PAST HISTORY IN EITHER EYE PREVIOUS AND RIGHT LEFT MYOPIC RIGHT LEFT OTHER: RIGHT LEFT	
	and a		Referral Guidelines
			PRESENTING SYMPTOMS IN AFFECTED EYE (one answer must be 'yes') Loss than 3 month history of: 1. visual routs in the system of th
Assume of the data strategies and the second strategies and the data strategies and the second strategies and the second strategies and the second strategies and the second strategies and the strategies	Large of down.	share stores of here y cale hered because they are used to be the same transport store used to be a store of the same transport of the same transport of the same transport of the same transport of the store of the same and the same and the store of the optimum and the same and the store of the optimum and the same and the store of the optimum and the same and the same and the same and the optimum and the same and the same and the same and the optimum and the same and the same and the same and the optimum and the same and the same and the same and the optimum and the same and the same and the same and the optimum and the same and the same and the same and the optimum and the same and the same and the same and the same and the optimum and the same and the same and the same and the same and the optimum and the same and the same and the same and the same and the optimum and the same and the same and the same and the same and the optimum and the same and the same and the same and the same and the optimum and the same and the s	3. concert musing pathholimny in runnal usion VSC No TRXDNGS Concreted VA (music le 606 or 54met in raficted ve) 1. Datacov XA model (Music le 606 or 54met in raficted ve) 1. Datacov XA model (Music le 606 or 54met in raficted ve) 1. Datacov XA model (Music le 606 or 54met in raficted ve) 1. Datacov XA model (Music le 606 or 54met in Amount Ve) 1. Datacov XA model (Mu



New Treatments in the News!

- Kentucky Mice
- Radiotherapy Treatments
 - Merlot Trial EpiRad Kings College
 - ORAYA Radiation via Slit lamp new trial
 - Brazil Trial on Brachytherapy

