# \* Diabetic Exe Screening & Ophthalmology Interface

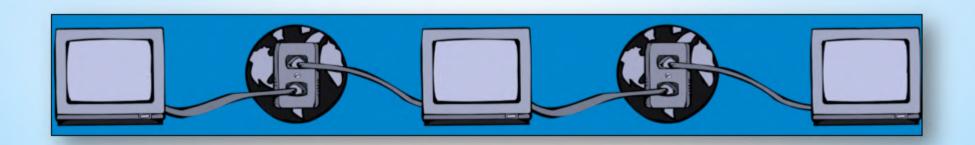
Inayat Khan
Clinical Lead NHS Hillingdon DESP &
Consultant Ophthalmologist Hillingdon Hospital NHS
Foundation Trust

## \*Main Objectives of my talk

- \*An overview of the Diabetic Eye Screening Processes
- \*Diabetic Retina Pathways
- \*The Challenges ahead for Ophthalmology Services
- \*Short Quiz

#### \* DESP ESSENTIAL COMPONENTS

- \*DESP Administration Team
- \*Screening / Grading Team
- \*Referral & Booking Teams/Systems
- \*Treatment & FU (Hospital Eye Service)
- \*OPDR (Monitoring)
- \*QA (Internal & External)
- \*Information Systems for management





#### **HILLINGDON DESP**















#### **OPTIMIZE V2**







#### \* THE ANNUAL SCREENING PROCESS

**VISUAL ACUITY** 

**PUPILS DILATATION** 

**RETINAL PHOTOGRAPHY** 

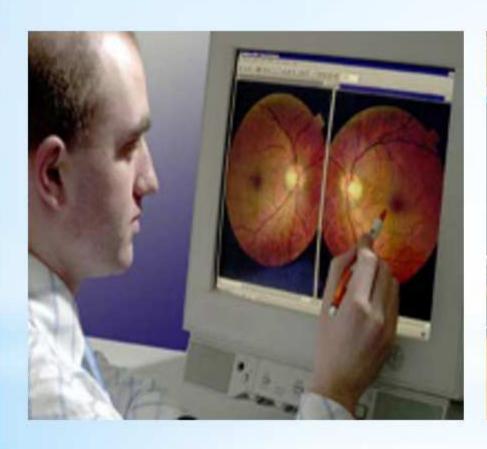
**GRADING OF RETINAL IMAGES** 

ADMIN, REFERRAL & REPORTING



#### **PRIMARY GRADING**

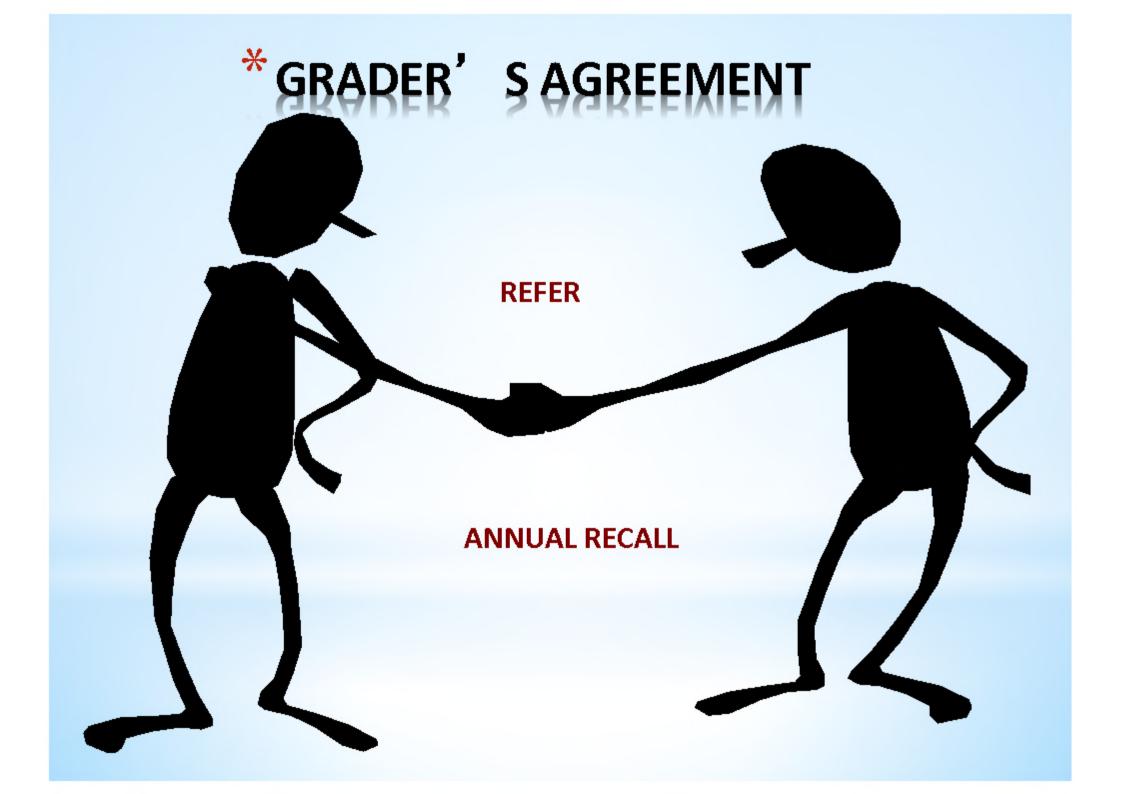
#### **SECONDARY GRADING**



ALL IMAGES



IMAGES WITH DISEASE & 10% OF NORMALS FOR QA



## \* GRAPER' S RISAGREEMENT





**ARBITRATION GRADING** 



\*Ophthalmic Photographic Review (OPDR)

- HES to / from OPDR
- DESP to / from OPDR
- Diabetic Preg in OPDR
- OCT or No OCT
- HES or Community



### \* THE UNGRAPABLES

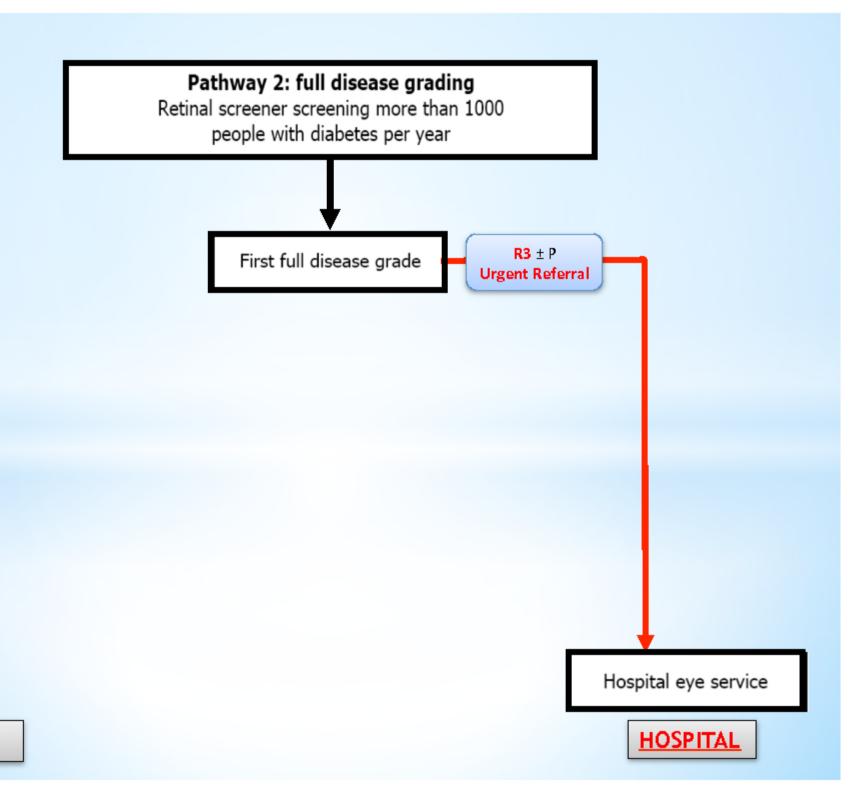


SLITLAMP BIOMICROSCOPY
DEDICATED CLINIC

#### Pathway 2: full disease grading

Retinal screener screening more than 1000 people with diabetes per year

First full disease grade



**DESS** 

