

Diabetic Mellitus Retinopathy Complication Screening in Tuen Mun Community Care Centre: 3 Wins Situation

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Content

- Introduction of Community Care Centre
- Diabetic Retinopathy Screening Program
 - Training
 - Screening & Referral logistics
- Study
 - Objective
 - Method
 - Result
- Conclusion

Community Care Centre (CCC)

- PATIENTS EMPOWERMENT
- CLINICAL SERVICES

CCC



CCC – Health Talks



CCC – Patients' Support Group



CCC – Self Help Corner



CCC – Clinical Services

- Clinics
 - Family Medicine Medical Triage Clinic
 - Hypertension Clinic
 - Back Clinic (by Physiotherapists)
 - P & O Foot Care Clinic (by P & O)

CCC – Retinal Photo for Diabetic Patients



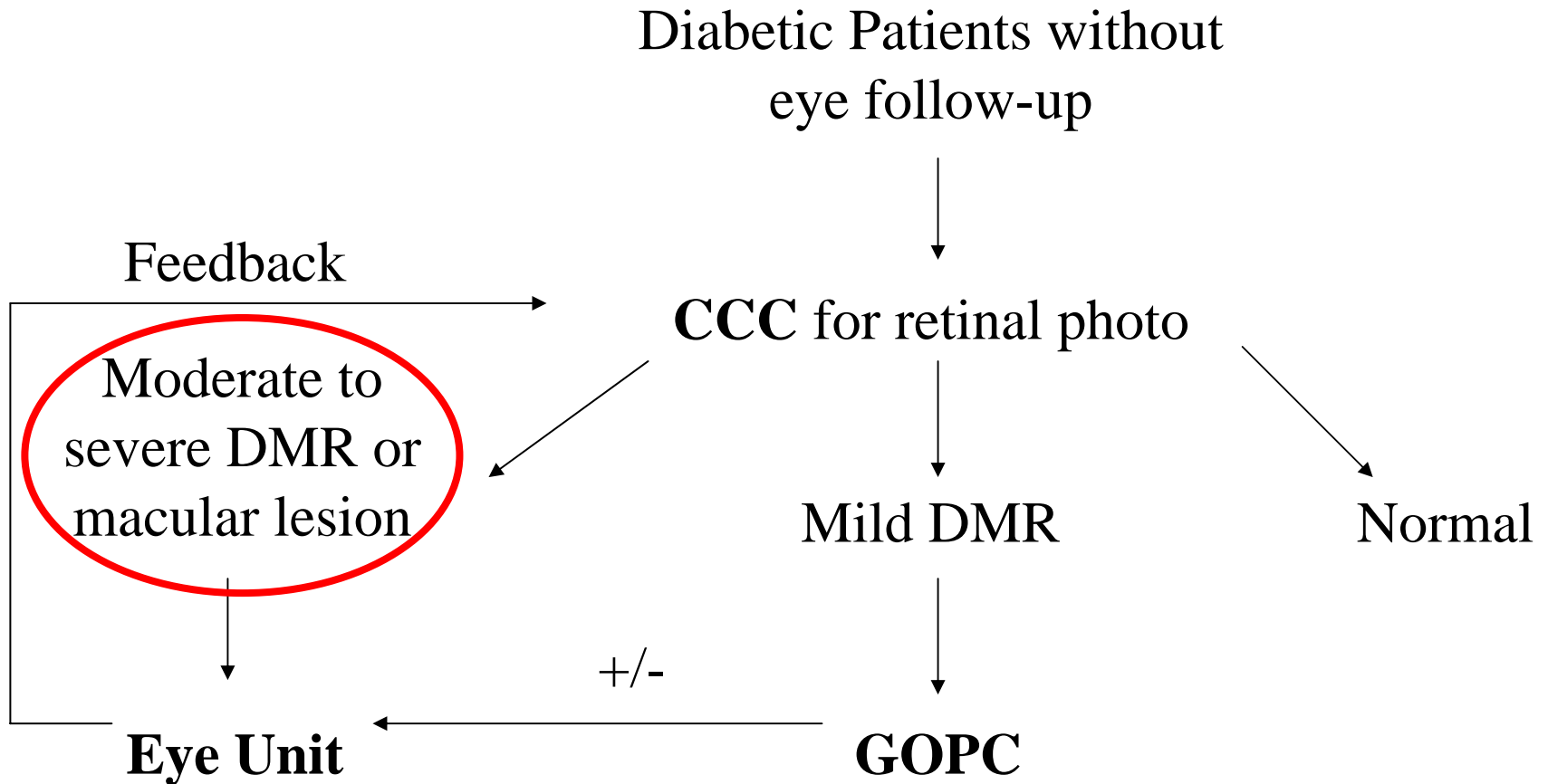
Diabetic Retinopathy Screening - Training

- Operation on retinal camera
 - To both doctors and nurses

Diabetic Retinopathy Screening - Training

- 2 Workshops with Ophthalmologists
 - How to interpret retinal photo
 - Grading system on DMR
 - Referral guidelines
 - Case discussion
 - Reply system


Diabetic Retinopathy Screening – Referral Logistics



Patient-held Retinal Photo Record

屯門社區醫療中心

視網膜照片



拍照日期：_____

姓名：_____

Sample of Retinal Photo

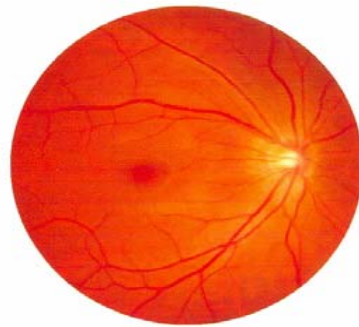
Patient:

Name:

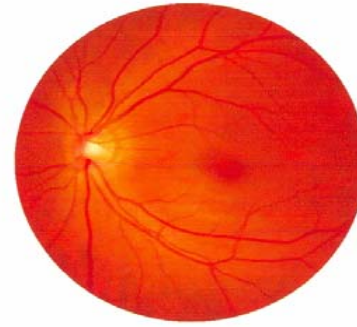
Date: 24-10-2006

Procedure: Non_mid.

Eye (R)



(L)



Reply Letter

Reply Letter

To: _____
(Tuen Mun Community Care Centre)

Name:
Sex/Age:
ID:
(Gum label)

Diagnosis : _____

Treatment : _____

From : _____
(M.O. of eye clinic)

Date : _____

**Would you kindly complete the reply letter and fax to :
26186837. Thank you!**

Study - Objectives

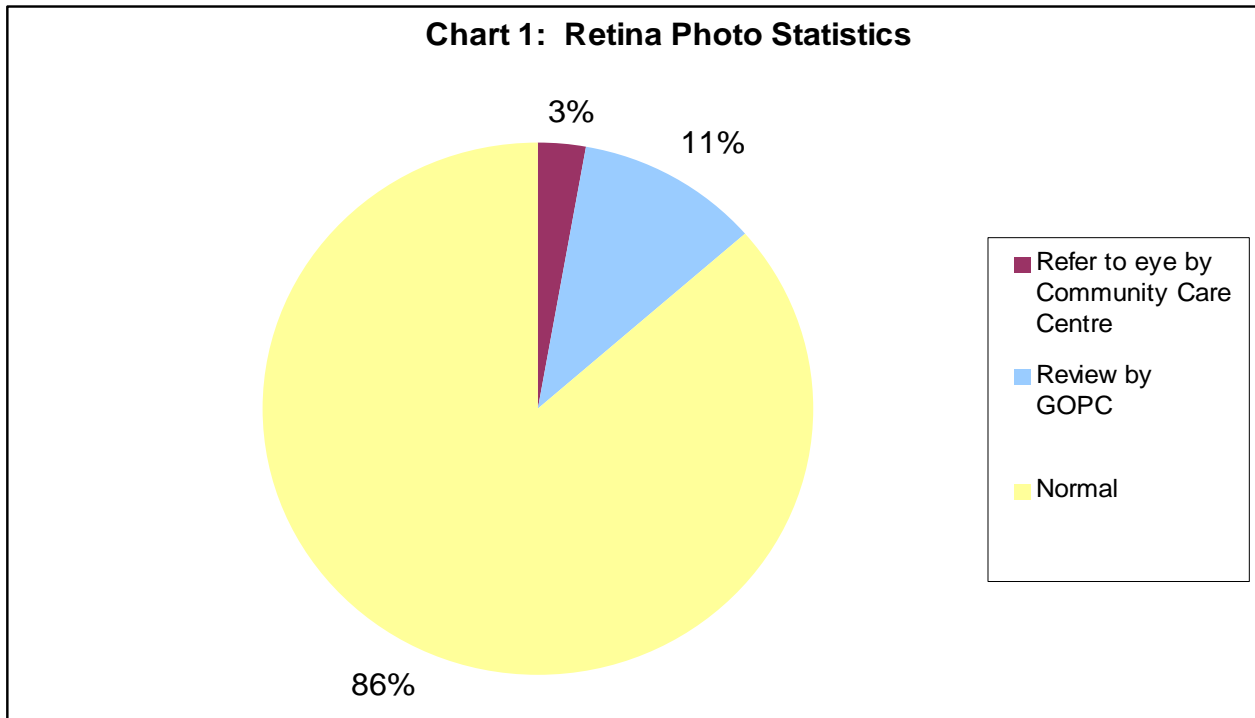
- To evaluate whether the direct referral to ophthalmology unit is appropriate or not
- To study the treatment or investigation done for the appropriate referral cases

Study - Method

- Descriptive
- Period: Nov 2005 to Dec 2007
- Target: Cases referred by CCC to eye directly
- Finding of retinal photo reported by doctors in CCC was compared with the diagnosis replied by ophthalmologists
- If the finding was compatible with the diagnosis made by ophthalmologists, we would further assess if any treatment or further investigations were done

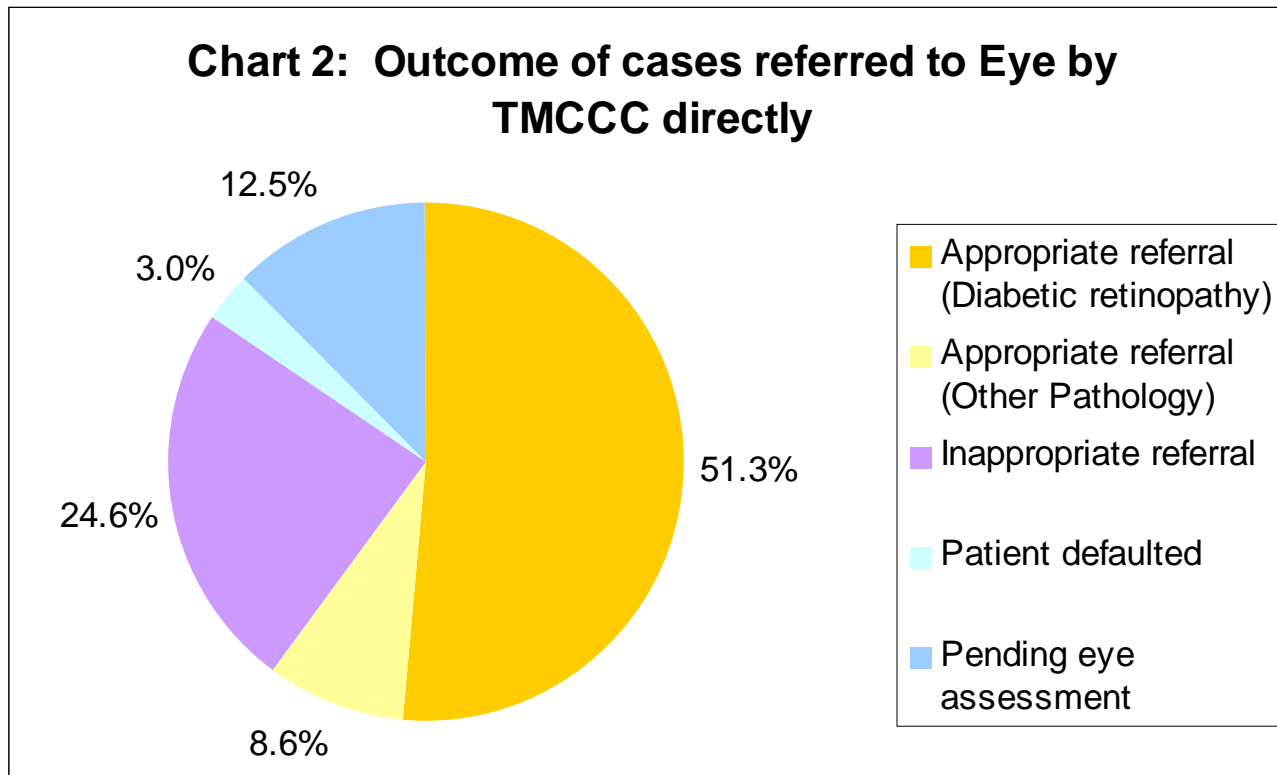
Study - Result

- Total retinal photos taken: 8071
- 232 patients (3%) were referred to Eye Unit directly



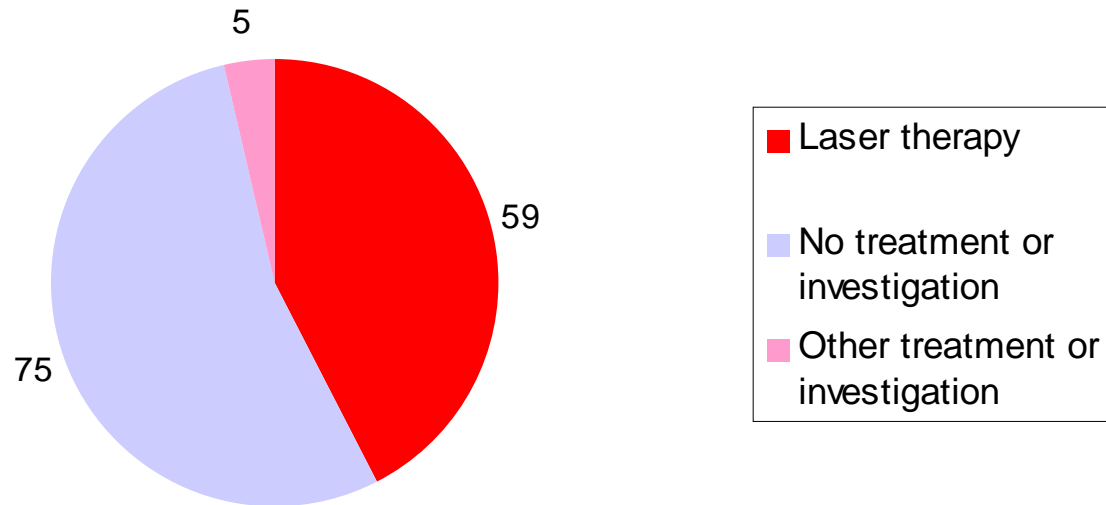
Study - Result

- Appropriate referrals: 139 patients (59.9%)



Study - Result

Chart 3: Appropriate referrals - Treatment & Investigation



Conclusion

- The result showed that family physicians were competent in reading retinal photo
- Based on the finding, we were also able to make correct referrals
- This Community Program created to a **3 Wins situation**

Conclusion – 3 Wins

- Patients
 - Annual screening for diabetic retinopathy
 - Early screening for diabetic retinopathy
 - Early referral & intervention
- Family physicians
 - Gain experience in reading retinal photo
- Ophthalmologists
 - Reduce burden

Acknowledge

- Dr Chan WH (TM Eye Centre)
- Kam YC & Tang YS (RN TMCCC)

THANK YOU

Question & Answer Session