

Retinoblastoma: Promoting Early Diagnosis

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Objectives

- Overview of the clinical presentation and treatment of retinoblastoma
- Understand causes of late presentation
- Outline ways of enhancing early diagnosis of childhood eye problems

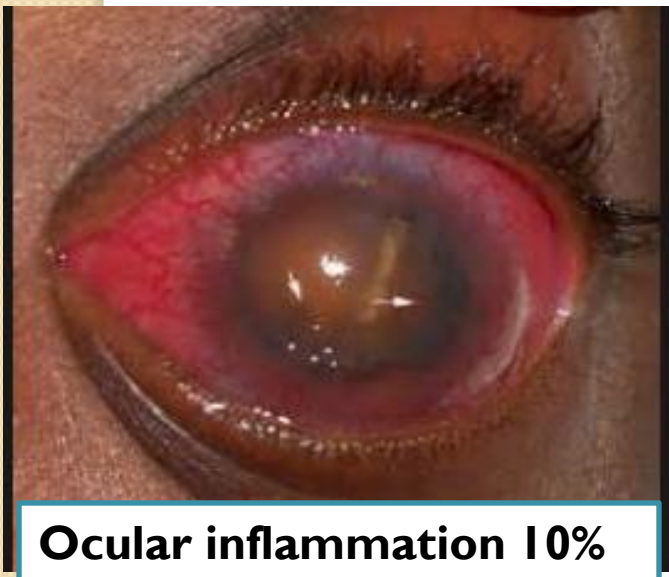
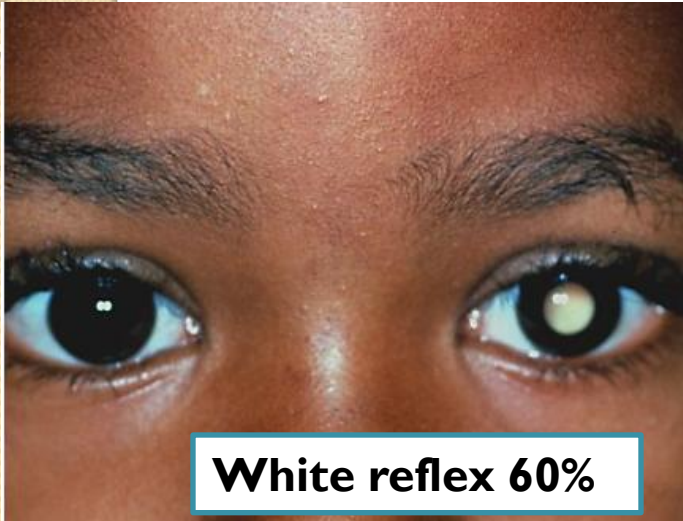
Outline

- Introduction
- Clinical presentation and management
- Reasons for late diagnosis
- How to enhance early diagnosis and referral

Introduction

- Childhood genetic, eye cancer arising from the retina
- Typically occurs **before 5 years** of age
- 60% unilateral; 40% bilateral; Rarely trilateral
- 10% Family history

Presentation



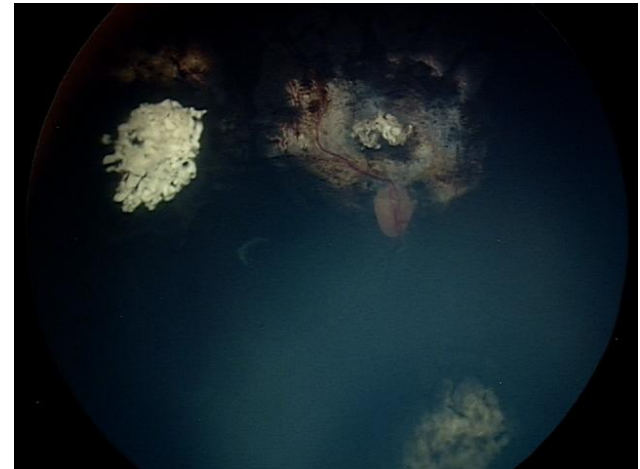
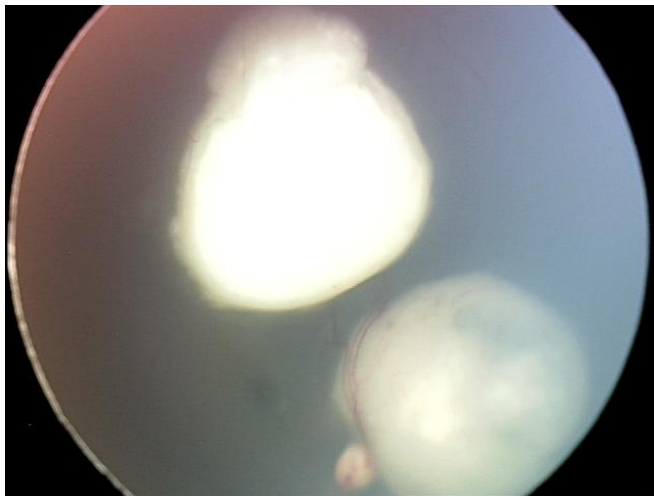
Management

- **Early diagnosis-** key to cure
- High cure rate $> 90\%$ if treated early
- Late presentation with metastasis - 100% mortality
- Standard treatment is **enucleation**



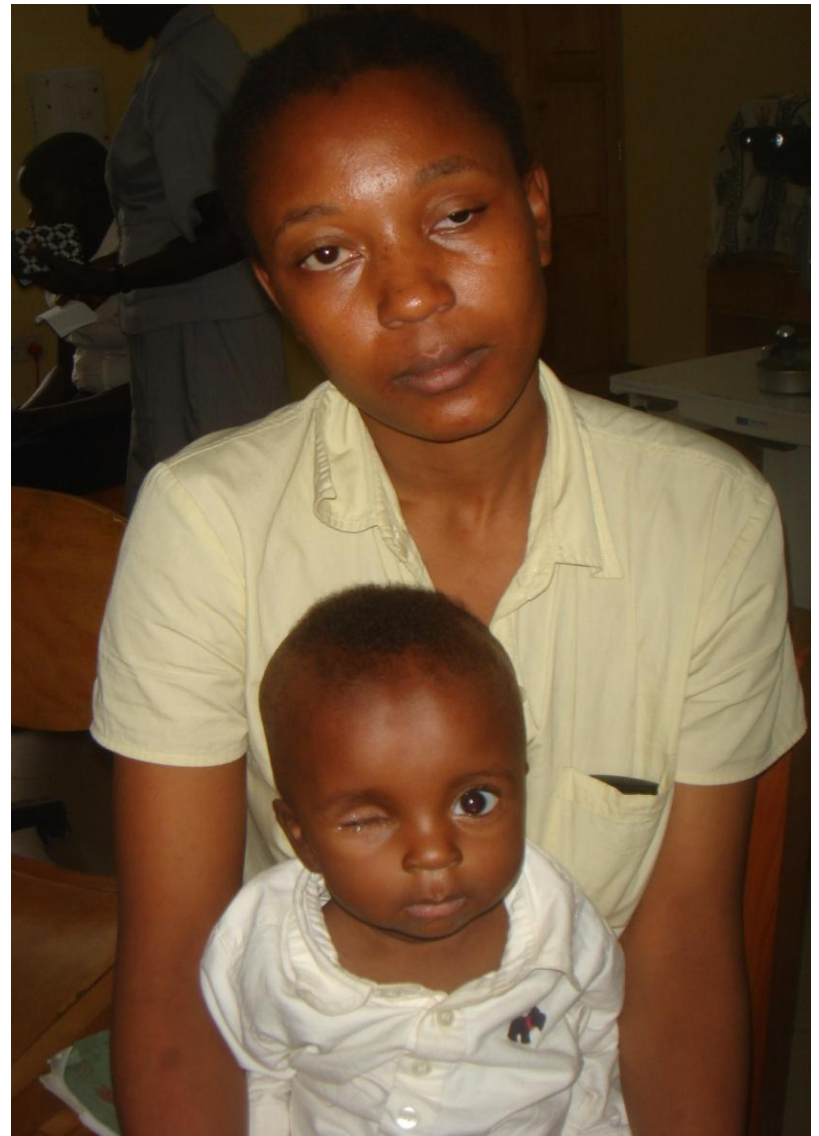
Other treatments

- **Focal laser/ cryotherapy** : small tumours



- **Chemotherapy/ Radiotherapy**
Extra ocular and metastatic disease

Role of Counseling



Late diagnosis

Late arrival

- Accessibility
- Financial
- Cultural
- Ignorance

Missed diagnosis

- Ignorance
- Dismiss parents concern
- Lost follow up

Complex referral system

- Failure to track patients
- Accessibility
- No direct referrals

Enhancing early diagnosis

Raise awareness

- Posters
- Childhood blindness booklet
- RB Guidelines

MCH booklet

- Eye section

Direct referrals

- Health facility with an ophthalmologist
- Daisy Cancer Fund

Awareness

Posters

Tone au alama nyeupe kwenye jicho
la mtoto ni dalili ya Saratani (Cancer)
ya macho.



Peleka mtoto kwa daktari wa macho haraka



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Daisy's Eye Cancer Fund
A Global Response To Childhood Retinoblastoma

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Guidelines



Ministry of Health

RETINOBLASTOMA *BEST PRACTICE GUIDELINES 2014*





KENYA NATIONAL RETINOBLASTOMA STRATEGY



Daisy's Eye Cancer Fund
Life and sight for every child

The eye section

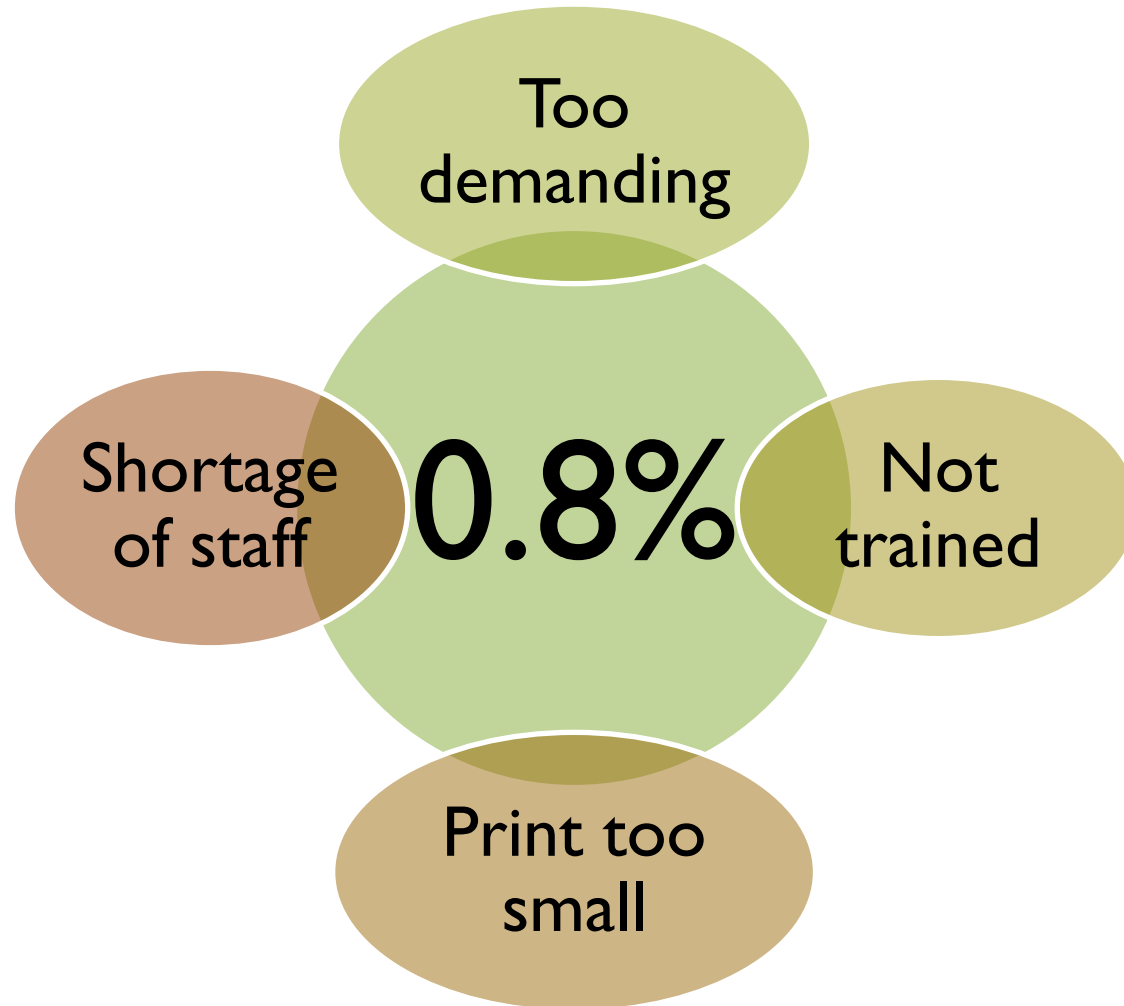
IDENTIFICATION OF EARLY EYE PROBLEMS IN AN INFANT

EYE CARE ASSESSMENT		AGE IN MONTHS		
		At Birth	At 6 Months	At 9 months
TETRACYCLINE EYE OINTMENT (TEO) GIVEN?	TEO (ONLY at birth)			
PUPIL 	Black			
	White (If white refer)			
SIGHT	Following Objects			
	Not following objects (Refer to eye clinic)			
SQUINT (Crossed Eyes) 	Squint (Refer to eye clinic)			
	No Squint			
ANY Other Problems	Yes (Refer to eye clinic)			
	No			

Other Childhood Eye Problems



Utilization of eye section



Way forward



Attitude Change; We can do it!

Summary

- **Early diagnosis** key to cure in retinoblastoma
- Any child with **suspected eye problem** need review by ophthalmologist
- Better utilization of **MCH booklet** to improve early detection

Thank you

