

MANAGEMENT OF MICROBIAL KERATITIS BY PRIVATE PHARMACIES AND TRADITIONAL HEALERS IN SIRAHA, NEPAL: a study of knowledge, attitude, and practice (KAP)

Case Report Form



Chief Investigator: Prof Matthew Burton

Primary Investigator: Dr Reena Yadav

Name of Site: Siraha District

CRF Version: V1.0

TRIAGE:

DATE:

NAME (Shop/Person):

ADDRESS:

AGE&GENDER (.../....):

CONTACT NUM:

EDUCATION LEVEL: Illiterate/No formal edu/Lower primary(1-4)/Upper Primary(5-7)/Lower Sec(8-10)/Higher sec(10-12)/Certificate/Diploma/Degree and above)

ETHNIC GROUP/CASTE (Only if applicable):

RELIGION:

Semi structured KAP questionnaire for Pharmacy attendants in Nepal

1. How often do customers visit your medical shop seeking help and advice for eye/vision related problems? (**READ OPTIONS**)
 - a. Rarely, less than 1-2 per month
 - b. About 1-2 per month
 - c. About 1-2 per fortnight
 - d. About 1-2 per week
 - e. About 1-2 per day
 - f. More than 2 per day
 - g. Can't say exactly, varies day to day.
2. What challenges do you face when dealing with customers seeking advice for eye related problems? (>1 response permitted) (**DON'T READ OPTIONS**)
 - a. Diagnosing the disease
 - b. Which eye drop to give for what condition
 - c. Varies from patient to patient
 - d. Don't know if a drug is working on patient
 - e. Knowing when to refer them to a health post, clinic or hospital
 - f. Affordability of medication
 - g. Other – please specify.
 - h. Don't know
3. According to you, which of the following conditions may cause a patient to present with a painful red eye? (> 1 response permitted). (**DON'T READ OPTIONS**)
 - a. Conjunctivitis
 - b. Cataract
 - c. Night blindness (Xerophthalmia)
 - d. Corneal abrasion
 - e. Corneal ulcer
 - f. Injury
 - g. Other – please specify.
 - h. Don't know
4. According to you, which is more serious: itching and redness in the eye or a painful red eye? (**DON'T READ OPTIONS – MAY NEED A PROMPT**)
 - a. Equally serious
 - b. Itching with redness
 - c. Red eye with pain
 - d. Not sure
5. Here is a picture of the eye, could you point out the cornea.
 - a. Correct answer
 - b. Incorrect answer
6. Here is a picture of an eye condition (with and without staining). What clinical signs can you see? (**DON'T READ OPTIONS**)
 - a. Conjunctival Redness
 - b. Epithelial defect
 - c. Corneal Opacity

- d. Hypopyon
- e. Corneal FB
- f. Corneal Ulcer
- g. No idea

7. What does corneal infection look like / present (score out 5)? (**DON'T READ OPTIONS**)

- a. Red eye
- b. Pain
- c. Pus from the eye
- d. White mark in the cornea
- e. Reduced vision

8. What causes it? (score out of 3) (**DON'T READ OPTIONS**)

- a. Bacteria
- b. Fungus
- c. Viruses
- d. Other – please specify
- e. Don't know

9. How do you think one might get corneal infection? (>1 response permitted) (**DON'T READ OPTIONS**)

- a. It is the result of sin in a person's life.
- b. A minor abrasion following trauma may result in corneal infection if not treated promptly.
- c. Farming.
- d. Use of TEM.
- e. Other – please record.

10. Do you think eye drops might be useful in managing this condition? (**DON'T READ OPTIONS**)

- a. Yes
- b. No
- c. Maybe
- d. Don't know

If your answer is yes or maybe. what is the eye drop you prefer to prescribe?

List the names mentioned:

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11. I. Which of the following treatment stocks do you have currently? (**READ OPTIONS**)

- a. Tetracycline ointment
- b. Chloramphenicol eye drops
- c. Gentamycin eye drops
- d. Gentamycin IV vials
- e. Ciprofloxacin eye drops
- f. Steroid eye drops
- g. Steroid/antibiotic eye drops
- h. Iodine
- i. Antifungal tablets (write)
- j. Chlorhexidine

- k. Don't have any

II. Do you dispense these? (Check if it is dispensed)

- a. Tetracycline ointment
- b. Chloramphenicol eye drops
- c. Gentamycin eye drops
- d. Gentamycin IV vials
- e. Ciprofloxacin eye drops
- f. Steroid eye drops
- g. Steroid/antibiotic eye drops
- h. Iodine
- i. Antifungal tablets (write)
- j. Chlorhexidine
- k. Don't dispense any

12. For each of these statements, please tell me if you think it is true or false.

- a. If the patient has a red eye, steroids should be used to reduce the redness T/F
- b. If the patient has a painful eye, steroids should be given to treat the pain T/F
- c. Topical steroids are only appropriate for a limited set of eye problems T/F
- d. Steroids can delay corneal wound healing T/F
- e. Steroids can raise the pressure in the eye T/F
- f. Steroids can make eye infections worse. T/F
- g. No idea what is steroid

13. What do you advise for a patient with red eye as a result of minor trauma? (DON'T READ OPTIONS)

- a. Prescribe antibiotics.
- b. Prescribe steroids
- c. Prescribe steroids in combination with antibiotics eye drops /ointment
- d. Prescribe oral medication (tablets)
- e. Refer directly to the health post or an eye hospital without giving anything
- f. Prescribe antibiotics and refer them to an eye hospital/clinic urgently
- g. Prescribe combination therapy (antibiotics + steroids) and refer to an eye hospital/clinic urgently
- h. I don't know

14. If you prescribe tablets, please tell us which oral medication you would recommend?

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15. Customers presenting with pain, redness, photophobia, and watering in the eye(s) must be referred to health posts or a nearby eye hospital. Do you agree or disagree?

- a. Agree
- b. Don't agree.

If you chose answer 'a' then attend Q16 skip Q16 and move to Q17 if answer is 'b'

16. What is the process you follow for referring them? (DON'T READ OPTIONS)

- a. I just inform them that they need to go to an eye hospital/health post.
- b. I write for them a referral form.
- c. I give them the contact number of the person they should go and see at the health post.
- d. I write a form and give them contact information of the person they should go and see at the health post.

- e. I write a form, give them the contact information, and call the person they should go and see at the health post.
- f. Other, please specify

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17. If you don't agree, why not? (DON'T READ OPTIONS)

- a. We can treat them so no need to refer.
- b. I don't know where to refer the customer
- c. This is not a serious condition and therefore does not need referral.

18. Problems with the cornea (the front surface of the eye) an important cause of vision impairment in your community. Do you agree or disagree?

- a. Agree
- b. Don't agree

19. What is the probability (based on your previous experience) that one or more individuals in your community will suffer minor trauma, injury or infections to the eye during the next month, and come to see you for help? (READ OPTIONS)

- a. One per day
- b. One per week
- c. One per fortnight
- d. One per month
- e. One every two months
- f. Don't know.

20. Do you think public health posts or general hospital can treat the patients with minor eye injuries? (DON'T READ OPTIONS)

- a. Yes
- b. No
- c. I do not know / I'm not sure
- d. No answer

21. Do you think a public health post or general hospital can treat emergency eye conditions? (DON'T READ OPTIONS)

- a. Yes
- b. No
- c. I do not know / I'm not sure
- d. No answer

22. Which of the following initiatives could be implemented in partnership with pharmacy shop owners to help reduce corneal blindness resulting from eye infections? (DON'T READ OPTIONS)

- a. Emphasizing the need to refer all cases to a health post/eye care centre/eye hospital without treatment.
- b. Instruct which antibiotics to prescribe before urgently referring cases to a specialist eye care centre
- c. Provide training for pharmacists to enable them to recognise and treat minor eye conditions.
- d. Other, specify.
- e. No answer

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23. Which level of training have you received in eye care? (**READ OPTIONS**)

- a. None
- b. Basic, as part of my medical school training
- c. Certificate level in eye health
- d. Diploma level in eye health
- e. Degree level in eye health

GPS:

Lat:

Long:

REMARKS: