	*						The second Tiers
	•	REVIEW BOARD ON Description		E OF	HUMAN	SUBJECTS, ECDDR,B.	++
		al Investigator ED- S	ack.	*****	Train	ee Investigator (if an	у)
		tion No. $80-023$	<u> </u>		Suppo	cting Agency (if Non-I	CDDR,B)
		E Study Treatment of Lea with Chlorprom	مكائه		(X)	et status: New Study Continuation with cha No change (do not fil	
Cir	cio t	the appropriate answer t	o each	α£	tha fa	laving (If Net land)	-1-1
1.	Sour	ce of Population:	o caci	OI.	5.	Will signed consent f	able write NA).
	(a)	III subjects	Yes	No	•	(a) From subjects	es No
	(b)	Non-ill subjects	Yes	(No)		(b) From parent or g	
	(c)	Minors or persons .			•		minors) Yes No
		under guardianship	Yes	(No)	6.	Will precautions be t	
3	Does	the study involve:			~ .	anonymity of subjects	
	(a)	Physical risks to the			7.		submitted herewith to
		subjects	Yes	(W)	•	Board:	Strometiced herewrett to
	(b)	Social Risks	Yes	No			l - Initially submit a
	(c)	Psychological risks				overview (all of	her requirements will
	-	to subjects	Yes	(No)	•	he submitted wit	h individual studies).
	(a)	Discomfort to subjects				X Protocol (Requir	
	(c)	Invasion of privacy	Yes	No	•	Abstract Summary	
	(1)	Disclosure of informa-					or read to subjects on
		tion damaging to sub-					risks, types of quest
		ject or others	Yes	(No.		ions to be asked	, and right to refuse
,	Does	the study involve:					r withdraw (Required)
		Use of records, (hesp-				× Informed consent	
		ital, medical, death,					form for parent or
		birth or other)	Yes	No		guardian	TOWN TOWN PROPERTY OF
	(b) -	Use of fetal tissue or		_		***	intaining confidential
		abortus		(60)		ity	Control of the contro
	(c)	Use of organs or body		•		•	interview schedule
		fiuids	(Yes)	No		* If the final instru	
· ,	Are.	subjects clearly inform	ed abou				e following information
	(a)	Nature and purposes of	_				in the abstract susmar
		study ,'	(Yes	No			f the areas to be
	(b)	Procedures to be					questionnaire or
		followed including					could be considered
		alternatives used	(es)	No			or which would
	(c)	Physical risks	(Yes)	No			wasion of privacy.
	(d)	Sensitive questions	Yes		None		type of specific
	(e)	Benefits to be derived	(Yes)	No	,		asked in the sensitive
	(f)	Right to refuse to				areas.	
		participate or to with-					to when the question-
l <i>i</i>		draw from study	(Yes)	No			resented to the Board
•	(g)	Confidential handling				for review.	
		of data	(Yes)	No			
	(h)	Compensation 6/or treat			•		
		ment where there are ri					
		or privacy is involved		_			
		any particular procedur	e /ies	No	•		•
Marine Tr							

welfare of subjects before making such change. Principal Investigator

Trainee

80-027 Reed. 9/6/80

SECTION I - RESEARCH PROTOCOL

(1) <u>Title</u>: Treatment of Travelers Diarrhea

with Chlorpromazine

(2) Principal Investigators: Dr Abu Eusof

Dr David Sack

(3) Starting Date: June 1980

(4) Completion Date: June 1981

(5) Total Direct Cost: 17,735

(6) Scientific Program Head:

This protocol has been approved by the Pathophysiology and Therapy Working Group.

Signature of Scientific Program Head:

Date: 3 June 20

Abstract Summary: This study is designed to determine the efficacy of Chlorpromazine (CPZ), lmg/kg, taken orally in decreasing the symptoms of purging, cramps, and nausea from an episode of travelers diarrhea. The patients in this study will be newly arrived (within 3 months) expatriates who come to the travelers clinic. Patients fitting the criteria for the study will be given either CPZ or a similiar appearing placebo at the time of their visit for diarrhea and a diarrhea diary will be maintained to record symptoms. Besides the CPZ, patients will be given oral therapy packets but no antibiotics

will be used. If CPZ is effective in alleviating the symptoms of travelers diarrhea, we would have established an effective form of therapy which would not encourage the emergence of antibiotic resistant bacteria.

(8)	Revi	Review:								
	(a)	Ethical Review Cimmittee:								
	(b)	Research Review Cimmittee:								
	(c)	Director:								
	(d)	BMRC:								
٤١	(a)	Controller/Administration:								

A. INTRODUCTION

- 1. Objective: The objective of this study is to determine the efficacy of chlorpromazine taken as one dose of lmg/kg orally in the treatment of acute watery diarrhea of travelers.
- 2. Background: Several studies have now established that the major cause of "travelers diarrhea" is infection with enterotoxigenic E. coli (ETEC), primarily those E. coli which produce heat labile toxin (LT) with or without heat stable toxin (ST). This has been shown in Mexico, 1,2 Kenya, 3,4 Morocco, Nepal and Bangladesh. This is especially true of the diarrhea episodes which occur within a few weeks of arrival. Those episodes which occur later are less likely to be due to ETEC, perhaps because of acquired immunity to the ETEC organisms or their toxin(s).

The management of travelers diarrhea includes measures to try to prevent the disease and measures to treat.

Prevention is through proper hygiene (since the infection is acquired by eating contaminated food and/or water) and in some circumstances by taking prophylactic antibiotics

such as doxycycline. Treatment of an episode is by maintaining hydration with oral glucose electrolyte solution and, in severe cases, giving an antibiotic either doxycycline or cotrimoxazole.

Recent studies at ICDDRB and elsewhere have found that CPZ, a non-antibiotic, might be useful in the treatment of diarrhea due to an adenyl cyclase stimulating enterotoxin such as cholera toxin or E. coli LT. 8,9,10,11 One paper found that CPZ also inhibits the secretion due to ST, though others have not confirmed this. (unpublished data, Jan Holmgren). It seems that CPZ is able to inhibit the stimulation adenylate cyclase and hence decrease the levels of cyclic AMP; however, there may be other actions of the CPZ which also lead to a decrease in secretion since CPZ is able to decrease secretion due to dibutryl cyclic AMP as well. A clinical study in cholera patients have shown a marked decrease in purging rate in patients treated with CPZ and another similiar study in patients with LT or LT/ST ETEC diarrhea is also planned.

Treatment of travelers diarrhea is a logical extension of the previous CPZ studies, since it would have obvious advantages over treatment with antibiotics.

Though effective currently, antibiotic useage encourages

the emergence of antibiotic resistant bacteria. If a non-antibiotic, safe drug were available, it would provide the symptomatic relief which would benefit the patient and would do so without encouraging the resistant organisms.

3. Rationale: We plan to determine the efficacy of chlorpromazine in the treatment of travelers diarrhea. If successful, this would establish a safe, non-antibiotic treatment which would alleviate symptoms due to travelers diarrhea.

B. Specific Aims.

 Determine the efficacy of CPZ in the treatment of travelers diarrhea with special reference to episodes due to ETEC.

C. Methods of Procedure.

Expatriates who have been in Dacca less than 3 months who develop acute watery diarrhea would be invited to attend the "travelers clinic". Patients, of either sex, would be considered for the study if they are

>18 years of age, have taken no Lomotil or other antiperistaltic drugs, have taken no antibiotics and are suffering from acute watery diarrhea of less than 48 hours duration. Patients with a history of fever greater than 101°F, blood and/or mucus in the stool, very severe cramps, or prolonged diarrhea (>48 hours) would be excluded. The prospective study patients would be given a pamphlet about travelers diarrhea and the study (enclosed). In addition the study nurse would discuss the study with the patient. If willing to participate and able to complete the follow-up, they will sign the consent form.

When admitted into the study the patients would fill out a questionaire (enclosed) giving details of the episode before the clinic visit. They would then provide a fresh stool specimen for examination.

The patients would be randomized to one of 8 medications. 4 of which contain CPZ and 4 of which contain a placebo. The randomization will occur by draw from an envelope, and the code will remain blind - i.e. neither the patient nor the nurse will know whether

the drug was CPZ or placebo. A single dose of lmg/kg will be given orally at the clinic. The patient will then take one form (the diarrhea diary) with him to completely record his symptoms on a 12 hourly basis until he is well. Also the nurse will maintain telephone contact with the patient of the 5 days of the study.

Five days after the initial visit the patient will return to the clinic for follow-up which will include 1) insuring that the diary diarrhea was filled accurately. 2) repeat stool exam. 3) treatment of any pathogens discovered in the initial specimens.

The initial questionaire, nurses report and diarrhea diary (enclosed) will be used to analyze the clinical response, and this will be correlated with the stool microscopy and bacteriology (forms enclosed).

Handling of specimens: Each episode will be given a study number (T.C. 001, TC 002, etc) which will identify the forms and specimens as being from the travelers - CPZ study. Since patients would bring 2 stool specimens per episode the specimen would be labelled accordingly (TC 001 - 1 and TC 001 - 2, etc). The stool specimens would have a routine microscopic exam (with measurement of pH) and would be tested for bacterial pathogens including ETEC 14,15 and campylobacter.

Data analysis. From the data forms a comparison will be made of two groups to insure comparability including age, sex, duration of diarrhea symptoms prior to clinic visit, number of diarrhea stools prior to clinic visit, prevalence of vomiting, stool white cell count, stool red cell count, and bacterial pathogens recovered. This comparison will use chi square and T test where appropriate.

The determination of efficacy will be determined comparing the duration of diarrhea symptoms, the frequency of stools per 12 hour period, the severity of cramps (graded subjectively) and the frequency of vomiting in the two groups. A dummy table of the expected clinical measurements is as follows:

Clinical effectiveness of chlorpromazine in the Treatment of Travelers Diarrhea.

Placebo

CPZ

Duration of diarrhea after treatment(Hrs)

mean±SE

Number of diarrhea stools after treat-ment.

meantS.E.

Placebo

CPZ

3. Frequency of stools per 12 hours after treatment.

Ist	12	hours	period	mean±SE
2nd	ŧŧ	71	fi	1 1 -
3rd	71	11	**	11
4th	tt	17	*1	11
5th	ŧŧ	f 7	**	13
6th	15	13	f F	**
7th	+1	17	11	17
8th	11	11	11	Ħ

4. Severity of Cramps*

- a. Severe %
 b. Mod %
 c. Mild %
 d. None %
- 5. Number with fever >101°
- 6. Number with same pathogen at day 5

^{*}defined on diary

The data analysis will be carried out for both ETEC and non ETEC travelers diarrhea. The sample size will be based however on only ETEC producing LT or LT/ST since the other causes of travelers diarrhea are so unusual that statistically meaningful analysis will not be possible. It is anticipated that 100 episodes of LT or LT/ST ETEC will be needed. This would mean that about 200 episodes would need to be treated. This assumes that some patients will not give sufficient follow-up and about 60% of episodes will be due to ETEC.

- which is alkaline containing negligible numbers of fecal leukocytes, analysis of this sub-group with response to CPZ will also be carried out to test whether this rapid clinical test can predict response to treatment. Acid stools or stools containing fecal leukocytes represent a different mechanism of diarrhea, hence they would not be expected to respond to CPZ.
- D. <u>Significance</u>: This study should establish the usefulness of CPZ in the treatment of ETEC diarrhea in an out-patient setting. While the results are immediately applicable

to travelers diarrhea, they should also be of value to the treatment of other mild ETEC diarrhea.

E. Facilities Required:

- 1. The office and clinic space is already provided
- 2. Lab space is already provided
- 3. Hospital resources nil
- 4. Animal resources 800 specimens for infant mouseassay.
- 5. Logistic support Rarely the study nurse will have to visit a patient for follow-up and will need transport.
- 6. Major items of equipment none
- 7. Specialized requirements CPZ and placebo.

F. Collaborative Arrangements

The study will be a collaborative study between ICDDRB (Dr Abu Eusof) and Johns Hopkins University Division of Geographic Medicine (Dr David Sack) who will be returning to Baltimore. The details of the collaboration are outlined in the memorandum of understanding between the two institutions.

G. Note on Finances of Travelers Clinic

Some of the expenses of the travelers clinic will be covered by an NIH grant for study of local immunity to enteric diseases (i.e. the nurses salary). Patients coming to the clinic will be charged for the services they receive including laboratory examinations. The payments received from this source could then be used to pay for one administrative assistant and one research assistant in clinical pathology.

SECTION III - BUDGET

DETAILED BUDGET

PERSONNEL SERVICES

Name	Position	% of effort	Annual Salary	Project Re Taka	quirement Dollar
1. Dr Abu Eusof	Investigator	20%	60960	12192	
2. Dr David Sack	Co-Investigator	10%	38000	•	3,800
3. Mrs Francē	Study Nurse	30%	5000		1,500
4. Mrs Boone	Study Nurse	30%	5000		1,500
5. Daniel Ascension	Admn. Assistant	30%	20700	6210	
6. Mizanur Rahman	Research Tech.	30%	19982	5994	
7. Shafi Ahmed	Sr. Research Tech.	· 30%	40884	12265	
8. Waseque Uddin Ahmed		5%	45312	2265	
9. A.K.M. Kibriya	Sr. Research Asst.	5%	55980	2799	
10. Animal House Tech.		10%	36000	1800	•
11. Computer Programmer				800	•
12. Key Puncher				500	
•				44825	6,800
SUPPLIES					
Sanal aulauna 400 sa	Th. 40 annh		•	16000	-

2.

Stool cultures - 400 at Tk.40 each	16000
Stool microscopic exam at Tk.400 at Tk 20 each	8000
Stool cups	1000
Infant mouse assay - 800 assays @Tk.10 per assay	8000

- EQUIPMENT None 3.
- Hospitalization None 4.
- Outpatient care covered under personnel 5.
- ICDDR,B Transport 100 miles @ per mile 6.
- Travel and Transportation of Persons None 7.

Project	Requirement
Taka	Dollar

8. Travel and Transport of things

Transport of cultures	• ,	200
Transport of supplies	• 3	500

9. Rent, Communication, Utilities - None

10.	Printing,	Reproduction				,	3000	·	200
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11. Other - Computer time 1000

12. Construction - None

13.	Indirect Costs	35%	•		28,288	2695
		-		•	110,113	10395
					(US\$ 7,340)	

Tk. 15.00 = \$1 Total: \$17,735

Expected Income:

 $Tk 120 \times 200 = Tk24,000 (US$ 1,509)$

BUDGET SUMMARY

CAT	EGORY	TAKA	DOLLARS
1	Personnet	44825	6800
2.	Supplies	33000	
3.	Equipment		-
4.	Hospitalization	-44	. -
5.	Outpatients	~	**
6.	ICDDR, B Transport	age	-
7.	Travel & Transportation	-	-
8.	Travel & Transport of Things	·	700
9.	Rent/Communication/Utilities	- cur	-
10.	Printing/Reproduction	3000	200
11.	Other - Computer time	1000	-
12.	Construction	-	· ••
13.	Indirect Costs 35%	28288	2695
•	Grand Total:	110,113	10395

Tk. 15.00 = \$1 Total : US\$17,735

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ABSTRACT SUMMARY

- 1. Adult expatriates with travelers diarrhea will be subjects for this study of the effectiveness of chlorpromazine in the treatment of travelers diarrhea.
- Risks from the study are minimal but consist of the side effects of the drug chlorpromazine. These includes postural hypotension, drowsiness, liver function abnormalities, allergic reactions, and dyskinesias.
- 3. The patients will be warned about the potential for hypotension and drowsiness and will be cautioned not to drive or operate machinery.
- 4. The records will be kept in a locked cabinet in the clinic office. Computer identification will be by code number only and after data is entered into the computer, the original data forms will be destroyed.
- 5. Informed consent will be obtained.
- 6. There will be a medical history taken.
- 7. The individual will gain through treatment of his illness and may possibly benefit from a therapeutic effect of the drug. Society will gain if a new form of therapy is developed for travelers diarrhea which does not use antibiotics.
- 8. Stool specimens will be obtained.

PERMISSION FORM - TRAVELERS DIARRHOEA - CHLORPROMAZINE STUDY

The International Centre for Diarrhoeal Disease is carrying out a study to determine the effectiveness of a medication called Chlorpromazine for travelers Diarrhea. Chlorpromazine is usually used as a tranquilizer however, recent studies have shown it to be effective in treating severe watery diarrhea due to cholera. We are now testing it to see if it is effective in treating travelers diarrhea as well. If you agree to join the study we will ask you 1. Fill out an initial questionair, 2. Submit a stool specimen 3. Keep a "diarrhea diary" for S days 4. Return for a follow-up visit in 5 days and submit a follow-up stool specimen then. We will also give you a single dose of the study medication. This study medication will be either chlorpromazine (the active drug) or a similiar appearing placebo medication. Neither you nor the investigators are to know which you are taking until after the code is broken in order to keep the information objective.

A common side effect of chlorpromazine is some sleepiness. This means that you should not drive or operate machinery during the next 24 hours. Other side effects of chlorpromazine are extremely rare when taken as a single low dose like this but include low blood pressure when changing position, liver function abnormalities, and allergic reactions (in persons allergic to the medication).

You do not have to participate in the study. If you choose not to participate we will still treat your diarrhea with standard medical treatment. If you wish to withdraw from the study, you may do so. This will not affect the medical care you receive.

Your records will be kept confidential. You may ask questions concerning the study at any time.

If you agree to particpate in the study, please sign your name here.

Date:

INFORMATION REGARDING TRAVELERS DIARRHEA AND CHLORPROMAZINE

Travelers diarrhea is a very frequent problem among visitors to developing countries such as Bangladesh. About 60% of travelers to Dacca have at least one episode of diarrhea during the first month in Dacca. This is caused by an infection with a bacterial germ found in contaminated food and/or water. Theoretically, one could eliminate the possibility of diarrhea by sterilizing all the food and water before they consume it. In reality however, one just has to be as careful as is reasonable and accept some risk.

The most common bacteria causing travelers diarrhea is one called entertoxigenic E. coli. The enterotoxigenic E. coli(ETEC) are similiar to the normal E. coli which everyone has in their intestine except that this one is able to produce a toxin which attaches to the lining cells of the intestine. Through some biochemical changes in the cells the toxin causes them to secrete fluid into the intestine. The infection with ETEC is therefore not like other infections where there is invasion of the bacteria into the tissue. With ETEC, all the symptom are related to the toxin's action on the cells lining

the intestine. Recently we and other scientists elsewhere have found that a drug called chlorpromazine will reverse the action of the toxin. This was first discovered in laboratory experiments and then in animals (who may also suffer from ETEC diarrhea). This was followed-up by a study at ICDDRB which showed that chlorpromazine is successful in decreasing the secretion in patients with cholera — a disease which produces a similiar biochemical change in the intestinal cells. We are therefore now encouraged to test whether the drug will be effective in patients with travelers diarrhea.

The use of a medication like chlorpromazine for diarrhea due to a bacterial infection is a new approach. Usually infections are treated with antibiotics to kill the bacteria and this approach sometimes works in travelers diarrhea. However with time, bacteria may become resistant to antibiotics. With chlorpromazine the antibiotic sensivity patterns would not be important since the drug would be working only to neutralize the effect of the toxin rather than kill the bacteria.

Actually patients with severe watery diarrhea do not <u>need</u> either an antibiotic or an anti-secretory medication like chlorpromazine. With time the body is able to clear

the germ from the intestine. During the diarrhea however it is important to avoid dehydration since this is the main feature of diarrhea which can lead to serious complications. In very severe diarrhea, such as cholera, intravenous fluids are sometimes necessary to prevent dehydration. In less severe diarehea, such as the usual travelers diarrhea, dehydration can be prevented simply by drinking a special sugar salt solution. This special solution is specially formulated to replace the fluids being lost. You should drink approximately 1 glass (about 200ml) of solution for each diarrheal bowel movement you have. This will help you avoid much of the weakness and fatigue associated with dehydration, but it will not of course stop the diarrhea.

If you decide to participate in the study on chlorpromazine, we will ask you to fill out some forms; will ask you to submit a stool specimen for testing and will ask you to return for follow-up 5 days after the first visit. It is very important that you complete the forms accurately since this is how we will draw conclusions regarding the usefullness of the treatment with chlorpromazine. In this study there is a 50% chance that you will receive the real drug and 50% chance you will receive a placebo. In both cases we will give you the oral

rehydration packet which is the "standard" treatment for watery diarrhea. Please <u>DO NOT</u> take any other medication especially <u>DO NOT</u> take Lomotil, Aspirin or an antibiotic. If your stool exam indicates the need for an antibiotic we will prescribe that for you.

Please feel free to call or come back to the clinic if you have any question concerning your illness or the study.

The clinic number is 303-593, 300171-8/34

DIARRHEA DIARY:

TRAVELERS DIARRHEA - CHLORPROMAZINE STUDY

Since you have taken a study medication for your diarrheal illness, we would like to obtain a accurate and complete record of your response to the medication. Therefore, we would like you to fill out this record of symptoms. For convenience the time periods on the record are 12 hours blocks of time 12 noon to 12 midnight, etc. Its very important that you fill out the record each day since its easy to forget. May be you could keep the form in the bathroom.

	Name			· · · · · · · · · · · · · · · · · · ·	•	Patie	study no nt no TC	(1-3) 4-6)				
	Date medication given day mo				year (7-12) Time give						24 hr clock)		
	Date												
	Time	0-12	12-24	0-12	12-24	0-12	12-24	0-12	12-24	0-12	12-24		
# stools		17	18	19	20	21	22	23	24	25	26		
description of stools*		2.3	28	29	30	3:	32	33	34	35	36		
Severity of cramps	**	37	38	39	40	41	42	43	44	45	46		
#Vomiting episodes	***	47	48	49	50	51	52	55	54	15	56		
Feverish feeling yes/no		5 7	52	**	ં ે	6,1	62	63	64	55	68		
If, yes, highest													
Changed plans due to illness yes/no		67	68	.50	70	71	نو خون درام	72	71.	75	76		
*1 - like water 2 - very runny 3 - loose	4 - for 5 - har 6 - blo	d Ó.	other none	2-mode:	ramps ceable cram rately seve re cramps w	re cramp			fores	none put	''0'' •1=y,2=1		

STOOL MICROSCOPIC REPORT - TRAVELERS DIARRHEA - CPZ STUDY

Study Num	ber
Company and an artist of the company	(1-2)
Specimen Number	TC
Appearance 1=watery 2=very loose, with color 3=soft 4=formed 5=hard 6=bloody 7=other 0=none	4-7
nii (manayya i)	8
pid (measured)	9-10
gross blood 1 = yes 2 = no	<u> </u>
gross mucus 1 = yes 2 = no	12
guaiac (indicate positivity on a 0 to 4 scale)	
Fecal pus cells (mean of range)	13
Fecal rbc (mean of range)	14-15
Fecal macrophages (mean of range)	16-17
Neutral fat (indicate positivity on a 0 to 4 scale)	18-19
parasitic exam	20
ameba cysts 1 = yes 2 = no	
	21
ameba trophs $1 = \bar{c}$ rbc $2 = \text{without rbc}$ $3 = \text{neg}$	22
giardia cysts 1 = yes 2 = no	23
giardia trophs 1 = yes 2 = no	24
trichomonas $1 = yes 2 = no$	25
hookworm $1 = yes 2 = no$	
Ascaris 1 = yes 2 = no	26
strongyloides 1 = yes 2 = no	27
pinworm 1 = yes 2 = no	28
other worm 1 = yes 2 = no	29
	30
Card No	04 79-80

NURSES REPORT OF DIARRHEA ILLNESS

TRAVELERS DIARRHEA - CPZ STUDY

	•	Study no	
Patient's name		Patient no T	
			(4-6)
Questionaire checked (7)	y = 1	n = 2	
Does patient fit criteria?	(To qualify,	all answers show	uld be yes)
H_X less than 48	(8)	$y = 1 \hat{n} = 2$	
watery diarrhea	(9)	y = 1 n = 2	
no blood	(10)	y = 1 n = 2	~ .
no fever	(11)	y = 1 n = 2	
surgical abdomen not		- 1	
suspected	(12)	y = 1 $n = 2$	
no Lomotil taken	(13)	y = 1 n = 2	i
no antibiotic taken	(14)	y = 1 n = 2	
no allergy to CPZ	(15)	y = 1 n = 2	
warmed about drowziness	(16)	y = 1 n = 2	
age ≥ 18 years	(17)	y = 1 n = 2	
Patients weight (no shoes but		18-20	kg
Calculated dose of Study Drug	·	21-23	ml
Date given (day/mo/year)		24-29	
Time given (24 hour clock)		30-33	· ·
Telephone number of patient		-39	
Address of patient		7.	 .
· 	<u> </u>	<u> </u>	
Appointment for follow-up:dat	e40-45	time 4	6-49
Stool specimen number TC			
2001 Spouldon number 10	50-53 (over)	

FOLLOW-UP VISIT

Date of Return Visit day/mo/y	(54-59)		
Diary checked60	<pre>1 = found satisfactory 2 = deficiencies corre 3 = diary not reliable 4 = no diary</pre>	ected	
What is the patients subjecti effectiveness of the study dr			61
1. It worked well.			
 It seemed to help at feffect wore off. It didn't help. Other 	first but then the		
True or false - I would rathe the side effects of the study		than	62
How do you feel now in relati	on to your diarrheal il	lness?	
 I am well now I am nearly well now I am about the same I am worse 			63
Follow-up stool specimen obta	ined 1 = y 2 = n		64
Number of specimen		тс	65 - 68
Date of specimen same as follo	ow-up $y = 1$ $n = 2$	Anger Marie and Propher delivery and the second sec	69
Patient did not return for fo	llow-up		
l = returne	d 2 = did not returned		70
Number of times this patient l this study with previous episo			71
IF yes, what was episode number	ers 		
All and the second	Card No.	03	70 - 90

STOOL BACTERIOLOGY REPORT - TRAVELERS DIARRHEA - CPZ STUDY

			Study	No
				1-3
Specimen Number			TC	4-7
0.1	1	2		
Salmonella	l=yes	2=no		8
Shigella flex	1=yes	2=no		the amendates of the relations recommended as of the agency countries to the audion of the countries of
Shigella Sonnei	1=yes	2=no		10
Shigella boydii	l=yes	2=no		11
Shigella dys I	1=yes	2=no		12
Shigella dys ≥II	l≃yes	2=no		
Yersinia	l=yes	2=no		1.5
Aeromonas	l≖yes	2=no		1.4
V. cholerae	l=yes	2=no		15
	·			16
NAG Vibrio	l=yes	2=no		2.7
Campylobacter	l=yes	2=no		18
ETEC 1=LT/ST, 2=ST	only 3=L'	f only 0=no		19
If ETEC positive, how out of 5? Put "8"= p				
out of 5: Fac 6 4 p	oor only t	positive.		20
Sensitivity pattern				
Isolate number T	C	**************************************	25-26	(25-26=# from above li
Tet	27	Chloro	30	Gent . 33
Amp		Sulfa		Septra 34
Strep	28	Neo	31	34
	29	.,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,,	32	
	ng.			
Isolate number T	°C35-38	39 -	40	
Tet		Chlor	G	ent
	41	4	14	eptra 47
-	42	4	5	- 48
Strep	43	Neo	16	
Serotype of ETEC				
0	K		i	
44-	-S1	52-54	55-57	and Control of the Co

Card No 05 79-80

TRAVELERS DIARRHEA - CHLORPROMAZINE INITIAL QUESTIONAIRE

This questionaire is designed which have now brought you to to obvious, it is necessary for us	this clinic. Whi	le some ques	tions may seen	n
your illness.	s to mayo an accu		Office Use	
W.	Study number	• •	i i	
Name	Patient number	(office use	1	-3)
. Y CERT		,	4.	-6
Age			7-8	
Sex			1	m=1,f=2.
Duration in Bangladesh	days		9	
Have you visited other develop	ing countries on	the way	10-11	y=1,n=2
to Bangladesh?	•	*.	12	
How many months ago did you le your home country?	ave			
Todays date			13-14	day/mo/yr
Todays time AM.	PM (girala)	-	15-20	24hr clock
	· · · · · · · · · · · · · · · · · · ·	-	21-24	24III CLOCK
When did your illness begin Date			E	
Time			25-30	
	niwala)		31-34	
What was the first symptom (1 	
1. nausea and/or vomiti	ng		35	
2. Cramps and/or diarrhe	a			*\$.
3. Fever			; ; ;	
4. Respiratory symptoms			1	
5. # 1 and # 2 simultane	ously		4	
6. other	·			
When did the diarrhea begin	Note 1			
Date	•		:	-,
Time			36-41	
How many times did you pass			42-45	
diarrhea stool the first 12 hours of your illness			 	
the second 12 hours	.? •	د عدد ی	46-47	
the third 12 hours	? .		48-49	
the fourth 12 hours	?		50-51	
have you changed your plans be		وستعارضا ففائد	52-53	
your illness				y=1,n=2.
Have you stayed in bed			54	y=1,n=2.
Have you taken any Lomotil or	similiar drug	<i>,</i>	55	
for your illness?			56	y=1,n=2-
			1	
			(over)	
`			(over)	

		Office Use Only
Have you taken any antibiotic		
during the last week	name	y=1,n=2
Have you taken any other medication during the last week	name	57
Have you come blood in		ŷ=1,n=2
Have you seen blood in your stool	<u>.</u>	y=1,n=2
All soon mucho		50 m in the control of the control o
ou-seen mucus in your stool		y=1,n=2
ou had tenismus		. 60
A Section 1	and the same of th	y=1, n=2
(Tenismus is a painful spasm in the rectafter having a bowel movement).		61
Have you had abdominal cramps which double	you up?	
	*	$\frac{62}{}$ y=1,n=2.
have you had cramps which are not		
that bad but are painful) }
•	**************************************	y=1,n=2
Have you had cramps which are noticeable		3
but not bothersome		y=1,n=2
		64
Have you had fever >101°	•	y=1,n=2
	,	65
. Have you had fever between 99 and 101°		1
- Transmission	New Works and the Works and Company of the Company	y=1,n=2
Have you had chilly feelings		! !
mare you had chilly leelings	· · · · · · · · · · · · · · · · · · ·	y=1,n=2
Have you had shaking chills		67
The year and Shaking Cillis		y=1,n=2
Have you had ache all over feeling		68
The you had ache all over reeling	*	y=1,n=2
Are the others in your group with	•	69
a similiar illness ?		
·		y=1,n=2
How would you describe your diarrheal stool	, ,	
d describe your diarrhear stool		
I. like water		, ,
2. very runny		71
2. Voly lumy		
3. loose '		
4. formed		•
	† •	•
5. hard	į	
6. bloody	; ;	
0. 0100uj		
7. other	(med given)	
	1	72
	(
	(card no)	<u>01</u> 79-80
		/ J = GV
	7	