A Survey of Self-Treatment with Helminths: Practices and Outcomes

• <u>Description of Study:</u> This study consists of a survey designed to collect information regarding the practice and efficacy of self-treatment with therapeutic worms (helminths). The basic questions we are asking are, does self-treatment with helminths work, and if so, what is the best approach? The survey consists of a mail-in form which is to be completed by individuals wishing to provide information about their experience with self-treatment using helminths.

The study is designed to collect an initial set of data at the time of its release in 2013. Following that initial data collection, we hope to collect yearly updates from individuals who are interested in keeping us up-to-date regarding their self-treatment with helminths. In the future (after 2013), we also hope to continue collecting information from individuals who are self-treating with helminths for the first time. We think that practices regarding self-treatment with helminths might change over time, possibly becoming more efficient and effective. This survey will help us test this idea.

This study will not collect information that could be used to identify participants. With that in mind, we ask that participants do NOT include their name, address, specific dates, or the names of any doctors or medical centers. We also ask that participants do NOT include a return address label on their survey. We are not able to accept surveys returned by E-mail.

- What is self-treatment? In this case, "self-treatment" includes treatments that are obtained by individuals acting with the aid of other individuals, and it includes treatments obtained by individuals acting alone. Thus, the self-treating individual may receive help with obtaining and administering the helminths. However, "self-treatment" excludes individuals who are receiving treatments as part of a clinical study and treatments prescribed and administered by a patient's doctor as part of standard medical practice.
- Outline of the survey: The survey consists of five parts. In the first section, consisting of 15 questions, information is requested that will provide general information about the people who are completing the survey, and about their general health. Most of these questions are not related directly to immune disease, but will help us understand health issues that may indirectly affect immune disease.

In the second section of the survey, consisting of 13 questions, we ask questions about your health and the standard medical health care you received for your immune condition or disease. In this section, we are particularly interested in the condition or disease that prompted you to seek helminth therapy.

In the third section, consisting of 30 questions, we ask about your experience with self-treatment using helminths.

The fourth section is optional and gives you an opportunity to comment on any aspects of your medical condition or on your self-treatment with helminths that you feel might be important.

The fifth section is designed for people providing updates after their initial survey and is not intended for people completing the survey for the first time.

The first three sections of the survey are very brief, taking about 20 minutes to complete. The time needed to complete the fourth, optional, section depends on what information you choose to provide.

Costs: Individuals are responsible for printing and mailing the survey.

Risks and benefits of the study: There may be a small risk of anxiety that may happen when completing the survey and reviewing issues that previously caused distress. However, some benefit is also possible, since the survey might provide a level of satisfaction in the knowledge that his or her experiences with helminth therapy might benefit others.

<u>Withdrawal from the study:</u> Because we will have no way to determine which survey belongs to a particular individual, once you send us the survey by mail, there is no way to for us to withdraw your survey from the study.

<u>Contact for questions</u>: The principal investigator on this study is William Parker, an Associate Professor at Duke University Medical Center. He may be contacted by E-mail with any questions or concerns about the survey. The E-mail address is William.Parker@Duke.edu.

Procedures: The survey consists of a single PDF file. It is available by E-mail through Professor Parker (William.Parker@Duke.edu) or it may be obtained from other individuals who have already received it from Professor Parker or from others. Any participant who requires assistance in completing the survey is encouraged to obtain such assistance from any individual they designate.

Please follow the following instructions.

If you have questions about the survey, please contact Dr. Parker by E-mail (William.Parker@Duke.edu).

- Print out the survey and complete the survey. Please do <u>NOT</u> include any information such as your name, your address, specific dates, places or names of hospitals or doctors that could be used to identify you personally.
- Mail the survey, without a return address label, to the following address:

William Parker
Department of Surgery
Duke University Medical Center
DUMC Box 2605
Durham, NC 27710

Thank you very much for your participation in this survey.

Sincerely,

William Parker, PhD

W=RPLIAD

Section 1: General information

	1.1 . Height feet, inches OR cm
	1.2. Weight pounds OR kilograms
	1.3. Number of children Age of children (years)
	1.4. Ethnic background (please circle one)
	Asian Black Hispanic White Mixed Other
	If mixed or other, please specify
	1.5. Date that survey was completed
	1.6. Age (in years only) at the time survey was completed
	1.7 . Gender (please check appropriate box): Male U Female U
	1.8 . Highest level of education (If applicable, please provide degree and subject. For example, B.A. in Sociology) If you have medical education or training, please specify you
	specialty
	1.9. Current occupation
	1.10 . Employment status (please check all appropriate boxes)
	U employed full time earning wages U student
	f U employed full time in family care (e.g., homemaker) $f U$ retired
	U unemployed due to disability
	U unemployed due to layoff or other difficulty in finding employment
	U other (please explain)
1.1	11. Have your previously filled out this survey and mailed it to William Parker at Duke?
	Yes U No U If yes, please skip to question 5.1 and provide any updates you would like to provide. Please note that at least one year should elapse between updates.

The final four questions of this section, below, relate to general issues that are known to affect the immune system.

1.12	1.12 . As an infant, were you breastfed? (please check appropriate box):								
Yes	Yes \mathbf{U} No \mathbf{U} Do not know \mathbf{U}								
If yes, please provide the age, in months, before any other food, including infant formula, was introduced. If you do not know, please state "unknown":									
1.13. How would you describe your vitamin D levels? (please check all appropriate box									
U	genera	ally good		U	good at present, but sometimes poor in the past				
U past	•	illy low or poo	or	U	low or poor at present, but sometimes good in the				
U unknown U					it has never been checked.				
1.14. Please rate your overall level of stress. Please use a scale of 0 to 10, with <u>0</u> being absolutely no stress, and <u>10 being the most profound and emotionally draining stress imaginable.</u> (Please circle one)									
No s	tress	012345	678	9 10	very high stress				
1.15 . Please estimate the number of times you have been treated with antibiotics any typ0e of problem for any length of time. (Please check the appropriate box):									
U	0 (neve	r)	U	6-9					
U	1-3		U	10-20					
U	4-6		U	more th	nan 20				

Section 2: Immune disorders and treatment BEFORE helminth therapy

Please limit your answers to all questions in this section only to your experience with the condition or conditions that prompted you to self-treat with helminths, and with medical treatment you received for that condition or conditions. The next section (Section 3) will deal with your self-treatment with helminths. This section (Section 2) only deals with the conditions that prompted you to self-treat with helminths. Please do not include any information such as your name, your address, specific dates, places or names of hospitals or doctors that could be used to identify you personally.

2.1 . At what age did you first experience symptoms that were immune-related? (Please provide a single number that represents your best estimate, in years.)									
2.2 . Did you discuss your immune-related symptoms with at least one medical doctor prior to considering helminth therapy?									
(please check appropriate box) Yes No (If no, please skip to question 2.8.)									
2.3 . Approximately how many doctors did you see for your immune condition BEFORE your self-treatment with helminths? (Please provide a single number that represents your best estimate.)									
If possible, can you provide the specialties of your doctors? Please do not include the doctor's names. (Examples of specialties include Allergy and Immunology, Family Medicine, Dermatology, Emergency Medicine, and Internal Medicine.)									
Reminder: all questions in this section pertain only to your experience with the condition or conditions that prompted you to self-treat with helminths, and with medical treatment									

you received for that condition or conditions BEFORE you self-treated with helminths.

-	opinion, how was your condition diagnosed by your physician? (please appropriate box)								
U	U Adequately: at least one doctor understood the symptoms and was								
ab	le to identify the disease								
U	Not at all: no doctor was able to provide an accurate or meaningful								
dia	agnosis which explained the symptoms.								
U	In part, but not entirely: at least one doctor could explain some aspects								
of	of the symptoms, but others were unexplained by the diagnosis.								
U	Other: please explain.								
_									
2.5 . Please	rate your overall level of frustration with the standard medical establishment								
(profession	al medical personnel and prescribed medical treatments) before you self-treated								
with helmir	ths. Use a scale of 0 to 10, with <u>0 being absolutely no frustration</u> , and <u>10 being</u>								
the most pi	ofound and emotionally draining frustration imaginable. (Please circle one)								
no frustrat	ion 012345678910 most frustration								
treated wit involved in	rate your overall experience with the medical establishment before you self- h helminths. This rating should reflect a general average of all experiences your immune-related condition or conditions, not the best or the worst								
	Use a scale of 0 to 10, with <u>0 being a wonderful and positive experience</u> , and								
	e most negative experience imaginable (and 5 being a neutral experience).								
(Please circ	·								
wonderful	0 1 2 3 4 5 6 7 8 9 10 horrible								
medical pr	rate any regret you may have regarding your experience with standard actice prior to receiving helminths. Use a scale of 0 to 10, with <u>0 being the timaginable</u> , and <u>10 being absolutely no regret</u> . (Please circle one) no regret								
	rate the impact of your immune-related condition or conditions on your life								

before you self-treated with helminths. Use a scale of 0 to 10, with <u>0 being absolutely</u> no effect, and <u>10 being the most profound negative effect</u>, with a complete loss of

everything meaningful to you in life. (Please circle one)

012345678910

no effect

horrible effect

2.9. <u>Diagnosis:</u> Please indicate the diagnosis you were given (the disease or condition that was identified) by a medical doctor or that you self-identified prior to self-treating with nelminths. Please indicate whether the diagnosis was a self diagnosis or if it was made by a medical professional. If there was disagreement between doctors or between you and doctors, please indicate. If no diagnosis was ever made, please indicate that.							
	e, please indicate that.						
2.10 . Did you <u>receive</u> medical treatment of any kind to prior to your treatment with helminths?	for the immune related symptoms						
(please check appropriate box) Yes □ No □ (If no	, please skip ahead to question 3.1.)						
2.11 . Please rate the effectiveness of the standard meto receiving helminth therapy. This rating should reflobtain. For example, if the first two treatments were third treatment was partially successful, please rate to 10, with <u>0 being completely ineffective</u> and the sy even worsened), 5 being that the symptoms were dea complete cure. (Please circle one)	ect the best result you were able to completely unsuccessful, and a the third treatment. Use a scale of 0 mptoms remained unchanged (or						
ineffective 0 1 2 3 4 5 6 7 8 9 10	effective						
2.12 . Please rate the side effects of the standard medic receiving helminth therapy. This rating should reflect a	•						

all treatments, not the best or the worst treatment. Use a scale of 0 to 10, with 0 being absolutely no side effects, and 10 being the most debilitating or damaging (either psychologically or physically) side effects imaginable short of death. (Please circle one)

no side effects 0 12 horrible side effects 345678910

2.13. What items listed below limited your satisfaction with standard medical treatment before you self-treated with helminths? Please rank EACH item listed below, with <u>1 being not at all important</u>, and <u>5 being a very important factor that decreased your satisfaction with your medical treatment to a very large degree.</u> Please circle the appropriate number beside each item listed below. This is not a question regarding which factor has more impact than another. All items or none of the items listed may have a strong impact on your satisfaction with your medical treatment:

	Not importan	t			Very important
Negative side effects:	1	2	3	4	5
Negative experience with professional medical personnel:	1	2	3	4	5
Limited effectiveness (does not effectively cure disease):	1	2	3	4	5
Temporary effectiveness only (disease returned):	1	2	3	4	5
High financial burden (high costs):	1	2	3	4	5
Other (please identify)	1	_ 2	3	4	5
Other (please identify)	1	2	3	4	5

Section 3: Self-treatment with helminths

REMINDER: Please do not include any information such as your name, your address, specific dates, places or names of hospitals or doctors that could be used to identify you personally.

3.1 . How did you <u>first</u> learn about helminth therapy? (please check appropriate						
box)	U From a friend or acquaintance					
U	From a scientific article					
U	From a book (please specify)					
U	From a news article in a paper, a website, or on the radio					
U	From a website (please specify)					
U	From a social network group interested in my condition/disease					
U	Other: please identify					

3.2. What sources of information or knowledge about helminths influenced your decision to self-treat with helminth therapy? Please rank EACH item below, with <u>1 being not an important source of information</u>, and 5 being a very important source of information (one that heavily influenced your decision making process). Please circle the appropriate number beside each source of information. This is not a question regarding which source of information was more important than another. All or none of the sources of information listed may have been very important to you:

	Not important				Very important
Experience of friends:	. 1	2	3	4	5
Information from websites about helminth therapy:	1	2	3	4	5
Experience from others:	1	2	3	4	5
Interactions with those providing helminths:	1	2	3	4	5
Scientific articles:	1	2	3	4	5
Other (please identify)	1	_ 2	3	4	5
Other (please identify)	1	_ 2	3	4	5

3.3. What initially led you to decide to treat yourself with helminth therapy? Please rank EACH item, with <u>1 being not at all important</u>, and <u>5 being very important</u> (this influenced your initial decision to try helminth therapy to a very large degree). Please circle the appropriate number beside each item. This is not a question regarding which item has more impact than another. All items or none of the items listed may have a strong impact on your decision to treat with helminth therapy:

Desperation after standard medical approaches failed:	Not important 1	2	3	4	Very important 5
Fear of the side effects of standard medical approaches:	1	2	3	4	5
Curiosity:	1	2	3	4	5
To evaluate the potential for helminths to help others:	1	2	3	4	5
Evidence indicated that helminths are effective:	1	2	3	4	5
Financial costs were within budget:	1	2	3	4	5
In support of a friend:	1	2	3	4	5
Other (please identify)	1	_ 2	3	4	5
Other (please identify)	1	2	3	4	5

3.4 . Do you have concerns regarding "legal issues" about your self-treatment with
helminths? Concerns about legal issues include the idea that you or the company that
supplies your helminths will encounter trouble or problems with legal authorities,
including local law enforcement or government agencies.
(please check appropriate box) Yes \square No \square
Optional: If you have such concerns, can you specify the nature of your concern?

3.5. Please rate the degree of concern you had regarding legal issues associated with helminth therapy <u>BEFORE</u> you obtained your first helminths. Please use a scale of 0 to 10, with 0 being absolutely no concern, and 10 being great concern that almost prevented you from obtaining helminths.

(Please circle one)

no concern

012345678910

great concern

3.6. Please rate the degree of concern you have regarding legal issues associated with helminth therapy **AT THE PRESENT TIME**, after your experience with helminth therapy. Please use a scale of 0 to 10, with 0 being absolutely no concern, and 10 being great concern that almost prevents you from continuing your helminth therapy. (Please circle one)

no concern

012345678910

great concern

3.7. Please rate the degree of concern you had regarding your supply of helminths **BEFORE** you obtained your first helminths. Concerns might include but are not limited to contamination of your helminths with dangerous organisms, the wrong species of helminth, or simply being a victim of a scam. Please use a scale of 0 to 10, with 0 being absolutely no concern, and 10 being great concern that almost prevented you from obtaining helminths. (Please circle one)

no concern

012345678910

great concern

3.8. Please rate the degree of concern you have regarding your supply of helminths **AT THE PRESENT TIME**, after your experience with helminth therapy. Concerns might include but are not limited to contamination of your helminths with dangerous organisms, the wrong species of helminth, or simply being a victim of a scam. Please use a scale of 0 to 10, with 0 being absolutely no concern, and 10 being great concern that almost prevents you from continuing your helminth therapy. (Please circle one)

no concern

012345678910

great concern

3.9. Please let us know how you felt about the available supply of helminths <u>BEFORE</u> you obtained your first helminths. Please rank EACH statement, with <u>1 being strongly disagree</u>, <u>3 being neutral</u>, and <u>5 being strongly agree</u>. Please circle the appropriate number beside each statement.

The supplier was highly reliable:	strongly disagree 1	2	neutral 3	4	strongly agree 5
The treatment was very safe:	1	2	3	4	5
There is no danger of legal ramifications:	1	2	3	4	5
I was confident that the helminths would help me:	1	2	3	4	5

3.10. Please let us know how you feel about the available supply of helminths **AT THE PRESENT TIME**, after your experience with helminth therapy. Please rank EACH statement, with <u>1 being strongly disagree</u>, <u>3 being neutral</u>, and <u>5 being strongly agree</u>. Please circle the appropriate number beside each statement.

	strongly disagree		neutral		strongly agree
The supplier is/was highly reliable:	1	2	3	4	5
The treatment is/was very safe:	1	2	3	4	5
There is no danger of legal ramifications:	1	2	3	4	5
I am confident that the helminths will continue to help m	e: 1	2	3	4	5
I am confident that the helminths do/did NOT help me:	1	2	3	4	5

3.11. Where did you initially get your helminths from? (please check appropriate

box or l	boxes)
U U U	From a friend From a vendor of helminth therapy (a company that sells helminths for human use) Acquisition by natural means in an area where the helminth is endemic Raising or farming helminths using other species as hosts (farming them outside of my body) Other: please explain but provide no information regarding a specific person or company.
(please	ave you ever used sources of helminths other than your initial source? check appropriate box) Yes U No U where did you get those from? (Please check all appropriate boxes.)
U U U U	From a friend From a vendor of helminth therapy (a company that sells helminths for human use) Acquisition by natural means in an area where the helminth is endemic By self inoculation using my own helminths as a source Raising or farming helminths using other species as hosts (farming them outside of my body) Other: please explain but provide no information regarding a specific person or company.
_	

3.13 . Please identify all of the helminths you currently use or have ever used in the past for your self-treatment.						
(Please cl	heck all appropriate boxes.)					
U	Human hookworm					
U	Human whipworm					
U	Rat tapeworm Bovine tapeworm					
U						
U	Other (please identify)					
3.14 . Plea	ase identify only those helminths that you currently use for your self-					
treatmer	nt. (Please check all appropriate boxes.)					
U	I currently use no helminths					
U	Human hookworm					
U	Human whipworm					
U	Rattapeworm					
U	Bovine tapeworm					
U	Other (please identify)_					
rating sho example, a third at 10, with (worsened half, and	ase rate the effectiveness of your self-treatment with helminth therapy. This could reflect the method that gives you the best and most reliable results. For if the first two attempts at helminth therapy were completely unsuccessful, and tempt was partially successful, please rate the third attempt. Use a scale of 0 to 0 being completely ineffective and the symptoms remained unchanged (or even d), 5 being that the symptoms were decreased in severity or in duration by about 10 being a complete cure. (Please circle one)					
ineffectiv	ve 0 1 2 3 4 5 6 7 8 9 10 effective					

3.16. Please rate the **side effects** of your self-treatment with helminth therapy. This rating should reflect a general average of the side effects of all treatments, not the best or the worst treatment. Use a scale of 0 to 10, with <u>0 being absolutely no side effects</u>, and <u>10 being the most debilitating or damaging (either psychologically or physically) side effects imaginable short of death. (Please circle one)</u>

no side effects 0 1 2 3 4 5 6 7 8 9 10

horrible side effects

3.17. Please rate your **overall level of frustration** with your self-treatment with helminth therapy. Use a scale of 0 to 10, with <u>0 being absolutely no frustration</u>, and <u>10 being the most profound and emotionally draining frustration imaginable</u>.

(Please circle one)

no frustration 0 1 2 3 4 5 6 7 8 9 10

most frustration

3.18. Please rate the impact of your immune-related condition or conditions on your life after your self-treatment with helminth therapy. Use a scale of 0 to 10, with 0 being absolutely no effect, and 10 being the most profound negative effect, with a complete loss of everything meaningful to you in life. (Please circle one)

no effect 0 1 2 3 4 5 6 7 8 9 10

horrible effect

3.19. Please rate your overall experience with the individuals who provided you with helminths for therapy or helped you gain access to helminths. This rating should reflect a general average of all experiences involved in your helminth therapy, not the best or the worst experience. Use a scale of 0 to 10, with <u>0 being a wonderful and positive experience</u>, and <u>10 being the most negative experience</u> imaginable. (Please circle one)

wonderful 0 1 2 3 4 5 6 7 8 9 10

horrible

3.20. Please rate any **regret** you may have regarding your self-treatment with helminths. Use a scale of 0 to 10, with <u>0 being the most regret imaginable</u>, and <u>10 being absolutely no regret</u>. (Please circle one)

most regret

012345678910

no regret

3.21 . If you are currently self-treating with helminths, and if relia	able and effective
helminth therapy was available from your local doctor at a reason	nable cost, would you
try therapy under medical supervision?	
(please check appropriate box)	
Yes U No U Not sure U Not applicable (no longer	self-treating) ${f U}$
3.22 . If you are no longer self-treating with helminths, and if reliable helminth therapy was available from your local doctor at a reason accept helminth therapy under medical supervision? (please cheminth therapy under medical supervision).	onable cost, would you
Yes \mathbf{U} No \mathbf{U} Not sure \mathbf{U} Not applicable (I am still s	elf-treating) ${\sf U}$
 3.23. How certain are you that you were actually treated with the you intended to use for self-treatment? (please check all boxes to very confident (no doubts) based on observations of the direct evidence. The helminths were/are definitely alive. U very confident (no doubts) based on the results. U very confident (no doubts) based on my trust in the some helminths. U fairly confident, but some doubts remain. U not very confident: considerable doubts exist, and I'm not. U fairly certain that the helminths were not actually presented before I was exposed to them, but not completely of the very confident (no doubts) that the helminths were not that they were dead before I was exposed to them. U Other: please explain: (If you have tried different helminth certainty, please use this section to explain.) 	that apply) the eggs or other and present turce of the that all sure sent or that they were certain not actually present

		e the difficulty you h			elminths. Use a scale of 0 to Please circle one)
	/ easy	0123456789			extremely difficult
helr	ninths) at a	•	plicable. U	se a scale of C	(or exposure to your to 10, with <u>0 being very</u>
very	easy easy	0123456789	10		extremely difficult
	5. Have you, r helminths?	• •	·		s or the effectiveness of
	(please chec	k appropriate box)	Yes ${\sf U}$	No \mathbf{U}	
	life span of t		or was som	e particular dr	use? For example, did the ug administered or food r helminths?
sa ca be	fe and effec re provider. ing neutral,	tive helminth therap Use a scale of 0 to 1 and <u>10 being extrem</u>	y part of th 0, with <u>0 be</u> nely enthus	e services off eing very nega	·
op	pposed	012345678910			very supportive
(Ple U	ase check a	Il appropriate boxes therapy will continu	that apply.)	, .	nion of helminth therapy? ove as new information
U	Helminth	therapy will eventua roduced by helminth		ced by drugs	that are based on
U		therapy will remainmain-stream treatme		native to mo	dern medicine, and will
U	Helminth t	therapy will eventually	become star	ndard medical	practice.
U	None of th	ne above reflect my opi	nion about h	nelminth thera	oy.

3.29. What items below limit your satisfaction with your self-treatment using helminth therapy? Please rank EACH item listed below, with <u>1 being not at all a factor</u>, and <u>5 being a very important factor that decreases your satisfaction with helminth therapy to a very large degree. Please circle the appropriate number beside each factor. This is not a question regarding which factor has more impact than another. All items or none of the items listed may have a strong impact on your satisfaction with helminth therapy:</u>

in	Not nportar	ıt			very important
Difficulty in maintaining the helminths at effective levels:	1	2	3	4	5
Disgust or "ick factor":	1	2	3	4	5
Negative side effects:	1	2	3	4	5
Concerns about legal issues:	1	2	3	4	5
Fear of overdosing yourself:	1	2	3	4	5
Negative experience with those assisting in helminth therap	y: 1	2	3	4	5
Limited efficacy (does not effectively cure disease):	1	2	3	4	5
Unreliable (variable results, some days better than others)	1	2	3	4	5
High financial burden (high costs):	1	2	3	4	5
Other (please identify)	1	_ 2	3	4	5
Other (please identify)	1	_ 2	3	4	5

3.30. How has your opinion of helminth therapy changed since you first decided to self-treat with helminths. (Please check appropriate box.)

my opinion has remained the same
my opinion has improved (I have a <u>more</u> favorable opinion of helminth therapy
now than I had initially.)
my opinion has declined (I have a less favorable opinion of helminth therapy
now than I had initially.)

Section 4: Optional information.

If you do not have time to complete this more detailed section of the survey, please stop here and mail in the survey to Dr. Parker using the instructions provided at the end of this section. The information you provide in the first 3 sections will be very valuable to us even if you cannot complete this section.

REMINDER: Please do not include any information such as your name, your address, specific dates, places or names of hospitals or doctors that could be used to identify you personally.

4.1 . Please describe the immune-related symptoms you experienced BEFORE any standard medical treatment and BEFORE your self-treatment with helminths. If the symptoms changed over time, please indicate the change and the time-frame. Please include approximate times (years) when symptoms occurred, and the frequency and severity with which they occurred. (Please feel free to use a separate sheet if more space is needed, and to type your answers if
you prefer.)

4.2 . Please describe how your self-treatment with helminths affected the immune-related
symptoms you experienced. If the symptoms changed over time or varied in response to different helminth therapies, please indicate the change and the time-frame. Please include the time and duration of any flares of disease after treatment began, and indicate any triggers for those flares you may have identified. This section should also include any perceived side effects
of the self-treatment. (Please feel free to use a separate sheet if more space is needed, and to
type your answers if you prefer.)

4.3. Please describe the standard medical treatments you received for your immune-related condition or conditions BEFORE receiving helminth therapy. Please include any prescribed medications or any procedures performed, and the time frame involved. Please also describe the effects of these medications on your immune-related condition. Please include
a brief description of any side effects. (Please feel free to use a separate sheet if more space is needed, and to type your answers if you prefer.)

4.4 . Prior to your self-treatment with helminths, did you try any other "alternative"
therapies or treatments in an effort to alleviate your symptoms? (Such treatments might
include home remedies, ointments, dietary supplements, acupuncture, or behavioral
modifications.) If so, please provide a brief description of the things you tried, along with a
brief description of their efficacy and side effects. If you are still using any alternative
treatments, please indicate which ones. (Please feel free to use a separate sheet if more
space is needed, and to type your answers if you prefer.)

4.5 . Please describe the standard medical treatments you received for your immune-related condition or conditions BEFORE receiving helminth therapy. Please include any prescribed medications or any procedures performed, and the time frame involved. Please also describe the effects of these medications on your immune-related condition. Please include a brief description of any side effects. (Please feel free to use a separate sheet if more space is peeded, and to two your answers if you profer.)
is needed, and to type your answers if you prefer.)

4.6 . Please provide a brief medical history that DOES NOT include any of the immunological
problems that prompted you to self-treat with helminths. For example, if you were born
prematurely, had a broken bone with an infection at the age of 14, had appendicitis at the
age of 18, and then self-treated with helminths at the age of 45 in an effort to treat MS,
please include here the premature birth, the appendicitis, the broken bone and the
infection, but not the MS. Only a brief history is necessary, and "routine" diseases (e.g.,
chickenpox as a child, the flu) are not necessary to document. However, we would like
some information about your use of antibiotics, if any. (Please feel free to use a separate
sheet if more space is needed, and to type your answers if you prefer.)
sheet if more space is needed, and to type your answers if you prefer.,

4.7 . Please provide a brief medical history of your immediate family, including parents,			
siblings, biological (genetically related) children, and, if known, the other biological parent or			
parents of your children. Please <u>do include</u> any immune-related diseases as well as all			
potentially life-threatening illnesses. Only a brief history is necessary, and "routine"			
diseases (e.g., chickenpox as a child, the common cold) are not necessary to document. In			
this section, please do not mention your name or the names of any family members.			
Identification of the family relation to you (for example, daughter or mother or son's			
mother) is sufficient. (Please feel free to use a separate sheet if more space is needed, and			
to type your answers if you prefer.)			
After the survey is complete, please mail the survey, without a return address label, to			
the following address:			

William Parker Department of Surgery Duke University Medical Center DUMC Box 2605 Durham, NC 27710

There is no need to mail in pages of the survey that you did not complete. For example, there is no need to mail in the optional section (Section 4) unless that portion of the form was completed.

Section 5: Update (ONLY for those individuals who have previously filled out this survey and mailed it to William Parker at Duke)

Reminder: Please note that at least one year should elapse between the original survey and the first update, and at least one year should elapse between updates.

REMINDER: Please do not include any information such as your name, your address, specific dates, places or names of hospitals or doctors that could be used to identify you personally.

5.1 How long has it been since you sent in the original survey? (in years)					
5.2. How many updates have you submitted since your first					
survey? (Please check the appropriate box):					
U	0 (never, this is my first update)	U	3		
U	1	U	4		
U	2	U	other (please give number)		

5.3 How long have you been self-treating with helminths? (in years)

include any new observations you have made regarding the effects (either good or bad) of helminths, new ways to obtain helminths, or new approaches to treatment with helminth lif you have no new observations, please indicate the current state of your self-treatment with helminths. (For example, "My dose of 20 human hookworms every 6 months continues to control my multiple sclerosis symptoms.)
Please feel free to use a separate sheet if more space is needed, and to type your answers if you prefer.
After the survey is complete, please mail the survey, <u>without a return address label,</u> to he following address:
William Parker
Department of Surgery Duke University Medical Center
DUMC Box 2605 Durham, NC 27710

5.4. Please include any information you think we might find helpful in this update. This may

There is no need to mail in pages of the survey that you did not complete. For example, people filling out the update section do not need to mail in Sections 2 and 3, and there is no need to mail in the optional section (Section 4) unless that portion of the form was completed.