Informed Consent

INVITATION

In my role as principal investigator, I am inviting you to participate in a survey of patients who have been diagnosed with a pheochromocytoma (pheo) or paraganglioma (para) or have a genetic mutation associated with these conditions. Caregivers of pheo para patients also may complete the survey on behalf of patients who are not able to complete the survey themselves.

This research is being conducted by the <u>Pheo Para Alliance</u> (PPA), which is an international nonprofit patient advocacy organization, and by researchers from Brock University and the University of Colorado. Please note that the principal investigator, Dr. Linda Rose-Krasnor (Secretary, PPA Board of Directors), as well as co-investigators Stephanie Arband (PPA Executive Director) and Dr. Lauren Fishbein (member of the PPA Medical Advisory Board), are affiliated with the Pheo Para Alliance.

The purpose of the study is to identify patients' perceptions of unmet needs for information about, and availability of, diagnosis, treatment and monitoring options for pheos and paras. We are also interested in possible gender, geographic, and other group differences in patient awareness of these options, as well as access to timely and effective health care services for this rare disorder.

WHAT'S INVOLVED

As a participant, you will be asked to complete a confidential online survey, taking approximately 20 minutes.

POTENTIAL BENEFITS AND RISKS

We hope the results will enable health care professionals to improve access to information and quality of care in the management of pheos and paras, increase the effectiveness of our patient support and education activities, and help direct funding to needed research. In addition, benefits of participation to you personally may include increased awareness of diagnostic and treatment options. Information about diagnosis, treatment and monitoring procedures can be found

https://pheopara.org/education/pheochromocytoma and https://pheopara.org/education/paraganglioma. This information has been vetted by our Medical Advisory Board and is written in patient-friendly language. Additional diagnostic and treatment information is available on the <u>NORD</u> (National Organization for Rare Disorders) website.

There are no known or anticipated risks associated with participation in this study.

Informed Consent, Continued

CONFIDENTIALITY AND ANONYMITY

All information you provide will be kept confidential; your name will not be included or, in any other way, associated with the data collected in the study. Furthermore, because our interest is in the average responses of groups of patients, you will not be identified individually in any way in reports of this research.

Data collected during this study will be stored on a secure server in the US, managed by SurveyMonkey. Although SurveyMonkey collects IP addresses as part of its standard procedure, that information will not be available to the researchers. Staff members of Survey Monkey can access IP addresses in exceptional situations where they are required to report information to law enforcement agencies or a court of law. Once the survey is complete, the Survey Monkey data will be deleted from its server, after the data are downloaded to the investigators' computers. The now anonymous data will be kept by the researchers in a secure password-protected location until all the research questions have been addressed and any data retention requirements established by journal publishers have been met. At that time, the data will be deleted.

Access to this anonymous data will be restricted to Dr. Linda Rose-Krasnor and co-investigators Stephanie Alband and Dr. Lauren Fishbein.

VOLUNTARY PARTICIPATION

Participation in this study is voluntary. If you wish, you may decline to answer any questions, except the initial question confirming your status as a pheo/para patient or caregiver. If you are not a pheo/para patient or caregiver answering for a patient who is incapacitated or unable to comprehend the questions, you will not be eligible for this study. You may decline to participate or answer any question without any penalty or loss of benefits to which you are entitled and your choice to participate will not impact affiliation with PPA or its services.

PUBLICATION OF RESULTS

Results of this study may be published in professional journals, shared on websites and social media, and presented at conferences. A summary of the results of this study will be available on the website of the <u>Pheo Para Alliance</u> in September 2022 and also by emailing the principal investigator at linda.rose-krasnor@brocku.ca.

CONTACT INFORMATION AND ETHICS CLEARANCE

If you have any questions about this study or require further information, please contact Dr. Linda Rose-Krasnor at linda.rose-krasnor@brocku.ca. This study has been reviewed and received ethics clearance through the Research Ethics Board at Brock University [File #21-204]. If you have any comments or concerns about your rights as a research participant, please contact the Office of Research Ethics at (905) 688-5550 Ext. 3035, reb@brocku.ca.

Thank you for your assistance in this study. Please keep a copy of this form for your records by printing it.

Consent Form

* Please enter:

today's date

Date

MM/DD/YYYY

* I agree to participate in the study described. I have made this decision based on the information I have read in the Consent Form. I have had the opportunity to receive any additional details I wanted about the study and understand that I may ask questions in the future. I understand that I may withdraw this consent at any time prior to submission of the survey. If necessary, I have given permission for a caregiver to complete the survey on my behalf.

O I agree

◯ I don't agree

* For parents/guardians completing the survey on behalf of a minor whom parents believe will not be able to understand the survey questions or caregivers of a pheo para patient who is unable to complete the survey on their own. I agree to participate in the study described above on behalf of a pheo para patient. I have received permission from the patient to complete the survey on their behalf, from their perspective, and will treat any information obtained from the patient as confidential. I have made this decision based on the information I have read in the Information-Consent Letter and Consent Form. I have had the opportunity to receive any additional details I wanted about the study and understand that I may ask questions in the future. I understand that I may withdraw this consent at any time prior to submission of the survey.

🔵 I agree

🔵 I don't agree

() Not applicable, I am NOT completing the survey on behalf of someone else

Assent for minors

* Please enter:

Today's date

Date

* I understand that my parent/guardian or other caregiver will answer some questions about me as part of a research study. The answers to the survey may help people who have a pheo or para in the future. I have had a chance to ask questions about the study. I understand that I don't have to be part of the study and that nothing bad will happen if I don't want to.

🔵 I agree

🔵 I don't agree

🕥 Not applicable, I am taking this survey on behalf of an adult

Please indicate whether you (or the person you are filling out this survey for) is a:

Patient with pheochromocytoma or paraganglioma (currently have tumor(s) or they were surgically removed).

Genetic mutation carrier - have a mutation but never had tumours

(

Have you had genetic testing?

O Yes

🔘 No

🔵 I don't know

When did you have genetic testing? Approximate year is ok.

Do you have a known pheo para genetic mutation?

Which genetic mutation syndrome do you have:

Genetic Mutation Status

When did you have genetic testing? Approximate year is ok.

Do you have a known pheo para genetic mutation?

Genetic Mutation Syndrome

Which genetic mutation syndrome do you have:



SCOPPE - Scan of Pheochromocytoma and Paraganglioma Experiences
Obtaining Your Diagnosis
What type of pheo or para have you been diagnosed with? Select ALL that apply. Unilateral pheochromocytoma in the adrenal gland (one side) Paraganglioma in the abdomen Bilateral pheochromocytoma in the adrenal glands (both sides) Do not know Paraganglioma in the head/neck region Paraganglioma in the chest
 What was the state of your tumor(s) at the time of diagnosis? I was diagnosed with a tumor or multiple tumors, but it had not metastasized. It had spread/metastasized to other organs. I don't know. I cannot remember.
Which of the following BEST describes your experience in getting a pheo para diagnosis?
After initial symptoms and tests, I was misdiagnosed twice or more with other conditions before a pheo para diagnosis was made.
After initial symptoms and tests, I was misdiagnosed once with other conditions before a pheo para diagnosis was made.
After initial symptoms and tests, pheo para was the first diagnosis received.
\bigcirc I didn't have any symptoms. I was diagnosed after screening for another condition.
I didn't have any symptoms. I was diagnosed after screening based on family history.
I can't remember. I don't know.
Other (please specify)

	SCOPPE - Scan	of Pheochromocy	toma and Parag	anglioma Ex	periences
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Obtaining Your Diagnosis, Continued

Which healthcare provider did you first see about your symptoms?

General practitioner / Primary care	physician
O Nurse	
C Endocrinologist	
Hematologist/Oncologist	
C Radiologist	
◯ Surgeon	
C Emergency room doctor	
◯ ENT	
Cardiologist	
Other (please specify)	

How many healthcare providers did you see before you received a diagnosis?

○ 1	<u> </u>
<u>2</u>	5
3	\bigcirc more than 5

Regarding your pheo para symptoms, were you initially diagnosed with any of the following conditions before receiving a pheo para diagnosis? Select all that apply.

anorexia
another type of cancer
another type of tumor
anxiety
depression
diabetes
gall bladder dysfunction
hypochondria
inflammatory bowel disease (crohn's disease, ulcerative colitis)
irritable bowel syndrome
menopause
neuropathy
pneumonia
pancreatic disease
pituitary disease
thyroid disease
I don't remember/cannot say.
Other (please specify)
None. I was diagnosed with pheo para right away.

What was the approximate length of time between your first symptom and pheo para diagnosis? Please indicate number of years and months.

Years

Months

Which healthcare provider made the pheo or para diagnosis?

🚫 General Practitioner / Primary Care Physician

🔿 Nurse

- Endocrinologist
- Hematologist/Oncologist
- 🔵 Radiologist
- Surgeon
- Emergency Room Doctor
- 🔵 Nuclear Medicine Specialist
-) ENT
- Cardiologist
- Other (please specify)

Where did you receive your pheo para diagnosis?

- Individual medical practice (a family practitioner, primary care physician, etc)
- Regional medical center (small medical center that usually serves a region with some specialties available, but often limited)
- O University or large medical center (a large hospital that may train doctors, with varied specialties, diagnostics & treatments available)
 - Other (please specify)

In what country did you receive your diagnosis?

- United States
- 🔵 Canada
- O Mexico
- 🔵 Great Britain
- Other (please specify)

Treatment & Monitoring

Which, if any, of the following pheo para treatments did you receive? Check all that apply.

chemotherapy (such as temozolomide or CVD - cyclophosphamide, vincristine, dacarbazine)
external beam radiation
MIBG Therapy (such as Azedra)
PRRT Therapy (such as Lutathera)
radiofrequency or thermal ablation
somatostatin analogues (such as octreotide or lanreotide)
surgery
clinical trial with another treatment not mentioned above
wait and watch (no treatment recommended at time of monitoring)
Other (please specify)
None of the above
e any of the following pheo para treatments recommended to you, but you were unable to
ive? Check all that apply.
ive? Check all that apply. chemotherapy (such as temozolomide or CVD - cyclophosphamide, vincristine, dacarbazine)
ive? Check all that apply.
ive? Check all that apply. chemotherapy (such as temozolomide or CVD - cyclophosphamide, vincristine, dacarbazine)
ive? Check all that apply. chemotherapy (such as temozolomide or CVD - cyclophosphamide, vincristine, dacarbazine) external beam radiation
 ive? Check all that apply. chemotherapy (such as temozolomide or CVD - cyclophosphamide, vincristine, dacarbazine) external beam radiation MIBG Therapy (such as Azedra)
 ive? Check all that apply. chemotherapy (such as temozolomide or CVD - cyclophosphamide, vincristine, dacarbazine) external beam radiation MIBG Therapy (such as Azedra) PRRT Therapy (such as Lutathera)
 ive? Check all that apply. chemotherapy (such as temozolomide or CVD - cyclophosphamide, vincristine, dacarbazine) external beam radiation MIBG Therapy (such as Azedra) PRRT Therapy (such as Lutathera) radiofrequency or thermal ablation
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Which, if any, of the following pheo para treatments have you heard of, even if not available to you? Check all that apply.	
chemotherapy (such as temozolomide or CVD - cyclophosphamide, vincristine, dacarbazine)	
external beam radiation	
MIBG Therapy (such as Azedra)	
PRRT Therapy (such as Lutathera)	
radiofrequency or thermal ablation	
somatostatin analogues (such as octreotide or lanreotide)	
surgery	
clinical trial with another treatment not mentioned above	
Other (please specify)	
None of the above	
To the best of your knowlege, which, if any, of the following pheo para treatments are available in your country? Check all that apply.	
external beam radiation	
MIBG Therapy (such as Azedra)	
PRRT Therapy (such as Lutathera)	
radiofrequency or thermal ablation	
somatostatin analogues (such as octreotide or lanreotide)	
surgery	
clinical trial with another treatment not mentioned above	
Other (please specify)	
None of the above	

Which of the following tests for ongoing monitoring of pheo para, have you heard of, even if not available to you at your institution? Check all that apply.

Plasma/urine metanephrines and catecholamines

Chromogranin A (CgA)

Conventional imaging (e.g. CT or cat scan, MRI, Ultrasound)

Gallium 68 DOTATATE or DOTATOC PET CT

FDG-PET scan

MIBG scan

I don't know

Other (please specify)

None of the above

To the best of your knowledge, which of the following tests for ongoing monitoring of pheo para are available in your country? Check all that apply.

Plasma/urine metanephrines and catecholamines
Chromogranin A (CgA)
Conventional imaging (e.g. CT or cat scan, MRI, Ultrasound)
Gallium 68 DOTATATE or DOTANOC PET CT
FDG-PET scan
MIBG scan
I don't know
Other (please specify)

None of the above

Which of the following tests for ongoing monitoring of pheo para do you receive regularly? Check all that apply.

Plasma/urine metanephrines and catecholamines

Chromogranin A (CgA)

Conventional imaging (e.g. CT or cat scan, MRI, Ultrasound)

Gallium 68 DOTATATE or DOTANOC PET CT

FDG-PET scan

MIBG scan

I don't know

Other (please specify)

None of the above. I am not regularly monitored.

How often are you monitored for pheo para?

 \bigcirc every six months or less

every 7 - 12 months (approximately every year)

every 13 - 24 months (approximately every other year)

) every 25 - 36 months (approximately every three years)

○ I am not monitored

Other (please specify)

Have you used any of the services or specialists below in the past 12 months? Check all that apply.

Clinical nurse specialized in pheo para
An experienced pheo para doctor of any specialty
Emergency care
Multidisciplinary team
Palliative care
Patient support group
Caregiver paid to provide services to a pheo para patient
Psychological care with a private consultant
Ongoing therapies like massage, acupuncture, meditation
Physical activities like yoga classes, trainings designed for cancer patients

How far do you travel to be treated or monitored by a specialist, if applicable, for your pheo para?

\bigcirc	1-50	miles	(1-80	km)	
	1 00	minos	(1 00	min)	

- 51-100 miles (81-160 km)
- 101-250 miles (161-400 km)

 \bigcirc over 250 miles (more than 400 km)

 \bigcirc N/A - I am not treated or monitored

Which of the following health care professionals are actively involved in the ongoing monitoring related to your pheo para? Please select all that apply.

	General Practicioner
	Nurse
	Surgeon
	Endocrinologist
	Internist
	Medical Oncologist
	Nuclear Medicine Specialist
	Nutritionist/Dietician
	Psychiatrist/Psychologist/Mental Health Worker
	Radiation Oncologist/Radiotherapist
	Nephrologist
	Hypertension Specialist
	Pediatrician
	Palliative Care Specialist
	Maternal/Fetal High-Risk Obstetrician
	ENT
	Other (please specify)
Γ	
	None of the above. I am not regularly monitored.

Questions About Quality of & Access to Care

On a scale from poor to excellent, how would you rate the overall quality of healthcare your country currently provides to you as a pheo para patient? Select N/A if you aren't sure.

Poor	Fair	Good	Very Good	Excellent	N/A
					\bigcirc

Which of the following issues, if any, have you experienced in the past 12 months? Select all that apply.

Lack of access to information about my specific medical situation from experts

Lack of access to educational information about pheo para

Lack of access to diagnostic tests or treatments

Lack of access to an experienced pheo para medical team

Lack of communication between specialists

Delays in receiving monitoring tests or results

Delays in receiving treatment

Delays in receiving specialists' opinions

Other (please specify)

None of the above

Please rate the importance of the issues you have experienced in the past 12 months from extremely important to not at all important. If you didn't experience some of the issues listed, please select N/A.

	Not at all important	Somewhat important	Important	Very important	Extremely important	N/A
Lack of access to information about my specific medical situation from experts	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Lack of access to educational information about pheo para	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Lack of access to diagnostic tests or treatments	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Lack of access to an experienced pheo para medical team	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Lack of communication between specialists	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Delays in receiving monitoring tests or results	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Delays in receiving treatment	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Delays in receiving specialists' opinions	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Lack of access to regular monitoring	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc

Other important issues (please specify)

Please rate the level of support you receive from the following.

	not at all helpful	somewhat helpful	helpful	very helpful	extremely helpful	N/A
Paid caregivers	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Healthcare professionals	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Family	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Other patients, patient support groups, social media	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Friends	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Significant other	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Medical journals, online research journals	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Educational webinars	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Other sources of suppor	t (please speci	fy)				

How important would each of the following be in helping you with the ongoing management of your pheo para? If you don't have ongoing management, then select N/A.

	Not at all important	Somewhat important	Important	Very important	Extremely important	N/A
More pheo para treatments available	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Better access to pheo para experts/medical center that specializes in pheo para	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
More information about/more opportunity to participate in pheo para clinical trials	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
More knowledgeable pheo para healthcare professionals	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Better coordination amongst my pheo para medical team	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
More educational information about the illness from my medical team	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Other helpful resources	(please specify	7)				

Which of the following best describes your approach to the management of your pheo para or genetic mutation?

 \bigcirc I prefer my medical team guide me in order to make the best decisions for my care

 \bigcirc I prefer to make decisions in partnership with my medical team

 \bigcirc I prefer to make decisions about my care with some input from my team

🔿 Do not know

Financial Impact of Pheo Para

Over the last 12 months, how much have health expenses related to your pheo para presented a financial difficulty for you?

() No current out-of-pocket expenses, all were covered by government health care/insurance

O Very little difficulty

Moderate difficulty

○ Severe difficulty

O Prefer not to say/I don't know

Over the past 12 months, what were your out-of-pocket expenses in the categories listed below related to your pheo para? Please report approximate U.S. dollar amounts.

	less than \$500	\$500-\$999	\$1,000- \$2,499	\$2,500- \$4,999	\$5,000- \$9,999	\$10,000 or more	Don't know
Diagnostic tests	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Treatment procedures	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Monitoring costs	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Travel & accommodation expenses	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Medications	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Other types of care (clinical nurse, emergency care, palliative care, counseling, etc.)	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Health insurance costs	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc	\bigcirc
Other (please specify)							

Does your country have government-subsidized healthcare that covers expenses related to your pheo para?

O Yes

🔿 No

🔵 I don't know

SCOPPE - Scan of Pheochromocytoma and Paraganglioma Experiences
Demographic Information
Gender: How do you identify?
Male
○ Non-Binary
O Prefer not to answer
(Please specify)
What is your age (in years)?
What was your age (in years) at the time of pheo para diagnosis? Or, if have a genetic mutation but no tumors, at what age did you learn about your genetic mutation status?
Other (please specify)
Which of the following best describes where you live?
Urban / City Center (1,000,000+ population)
Suburban (100,000-999,999)
Town (25,000-99,999)
Rural (5,000-24,999)
Remote (less than 5,000)

What is the highest level of education you have completed?
C Less than high school
Completed high school
◯ Trade or apprenticeship certificate
Some community/junior college study
Completed community/junior college
○ Some university
Completed university degree
○ Some post-graduate study
O Post-graduate degree
Which of the following do you identify with? (Select all that apply.) Black or African American/African Canadian Hispanic White Indian American or Alaska Native
Canadian Indigenous
Asian
Native Hawaiian / Pacific Islander
Prefer not to answer
Other (please specify)

How would you rate your income level compared to the average income level of other people in your country?

- O Lower
- O Average
- ◯ Higher
- 🔵 Do not know. Prefer not to say.

Final Thoughts

Is there anything else you would like us to know about your experience as a pheo para patient?

SCOPPE Survey - I do not agree

Thank you for your consideration in taking this survey. Your consent is required for participation. If you made this mistake in error, please hit the previous button and select 'I agree'.

Thank You For Participating!

Results will be available on the Pheo Para Alliance website (<u>https://pheopara.org</u>) in September 2022.

Information about diagnosis, treatment and monitoring procedures can be found at https://pheopara.org/education/pheochromocytoma and

<u>https://pheopara.org/education/paraganglioma</u>. This information has been vetted by our Medical Advisory Board and is written in patient-friendly language. Additional diagnostic and treatment information is available on the NORD (National Organization for Rare Disorders) website, <u>https://rarediseases.org/rare-</u>

diseases/pheochromocytoma/