Appendix 1: Questionnaire (English translation)

Questionnaire NT-proBNP study

Section 1/17

Dear Colleague,

In recent months, you have had the opportunity to work with Cobas h232, a point-of-care test for NT-proBNP designed by Roche. Thank you for your cooperation with the implementation of this POC test in your practice.

The second part of the study consists of a survey, which is presented to you now. From this survey, we would like to determine to what extent the test lived up to your expectations. Particularly, we are interested in the user-friendliness and usefulness of this test for your practice.

This survey assesses all elements of the legal framework of POC testing, concerning the role of the point-of-care coordinator, organization of training for users of the test, quality control, validation by means of a control test and connectivity between practice and the reference laboratory. During this study, all of these factors were examined to determine what works and what could be improved.

Thank you in advance for your cooperation.

Dr. Chiel Hex

Promotor Dr. Bert Vaes Co-promoter Dr. Jan Verbakel Dr. Miek Smeets, Prof Dr. Frank Buntinx

* mandatory



Section 2/17: Identification

I would like to ask you to identify yourself to know whether you have already answered the questionnaire so I do not have to bother you with reminder emails.

I assure you that your data will be processed anonymously. Neither the researchers at KU Leuven nor the employees of Roche or ZOL will be able to link the answers to your identity. They only have access to the results after the collected data is encoded.

Section 3/17: Participation kick-off / training

During this study, several training sessions were organized.

In the run-up to the study, you were invited to participate in one of the kick-off events at ZOL Genk or the Diagnosecentrum in Lommel. Afterwards, we came to your practice for a hands-on training. Can you indicate below what you think of this training?

Question 2: Was everything you needed to use the device correctly discussed during the

The theoretical packground of the was clearly explain could interpret the		Totally disagree	Partially disagree	Neutral	Partially agree	Totally agree	Did not attend
ould interpret the	ed so I						training
esult	lesi						
The explanation of practical use was sufficient to be able use the device							
Section 4/17: Activate the start of the scourse, be that dure for the evaluation Question 4: Did yourse carry out at	tudy, we ing the pof this q ou perfe t least o	e hoped that period of the uestionnaire form at least one test? *	all GPs woul study, you d , it is useful to	id not mana o know whe	ge to carry ou ther you perfo	it tests for ai ormed any te	ny reason. ests.
lark only one ans	wer per	row.					
□ Ye		o to questio o to questio					
Section 5/17: NT-p Prior to the study, whow repeat the que	we aske estion to	d you to indi determine v	cate how skil vhether this h	as changed	after the stud	dy.	NP result. W
Question 5: How	2	3	4 5	6 7	8	9 10	

☐ I do not think about ☐ Another reason	the availabilit	y of this test		to question to question	
Section 7/17 (non-users): As the main reason for not using We would like to identify the specific			nat you did ı	not think abo	out it.
Question 7: Why did you not think	k about usin	g the test? Y	ou may sele	ect more tha	n one
answer. * Check all the relevant options.					
I do not think that I h My practice is too bu It is not in my routing I do not see the valu Another reason	isy e	who are eligil	ble for this te	st	
Section 8/17 (non-users): Room for We would like to hear your ideas for			non-users)		
Question 8: What should be done			his device?	*	
Non-users: go to the end of the surv	rey				
Section 9/17 (users): Active users We are happy to hear that you used	this test.				
Would like to ask you a few question know whether you used the device a or assistant.					
Question 9: Did you use the device the test? Mark only one answer.	e at least on	ice yourself	or did your a	assistant/nu	rse carry out
☐ At least once I used Always carried out b		•			
Section 10/17 (users): User-friendli In this section, we are particularly in			w user-friend	ly the device	is for you.
Question 10: What do you think o	f the following	ng aspects o	f the user-fr	iendliness d	of the device?
Mark only one answer per row.					
Haine the device is seen	Totally disagree	Partially disagree	Neutral	Partially agree	Totally agree
Using the device is easy	Ц				
The device is quick to use					
The sampling is simple					
Application of the sample on the device is easy					

The number of process steacceptable	ps is					
The result is displayed clea	nrly					
To summarize: the device is user- friendly						
Question 11: Below you o	can write y	our comme	nts regardii	ng the proce	dure	
Section 11/17 (users): Use In this section, we are parti				w usoful the d	lovice was to) VOII
Question 12: What do you Mark only one answer per i	u think of					•
		Totally disagree	Partially disagree	Neutral	Partially agree	Totally agree
This test influenced my clin practice	ical					
I will use the NT-proBNP test in the future (NT-proBNP in general)						
NT-proBNP as a POC test is useful for my practice (gain POC test)						
Section 12/17 (users): Qua In this section, we are parti punctuality of the sample of	cularly inte		application	of different qu	ality control	s and
Question 13: What is you Mark only one answer per i		about the qu	uality contro	ols and samp	ole collectio	n? *
	Totally disagree	Partially disagree	Neutral	Partially agree	Totally agree	Did not perform QC
Quality control was done at least once a week						
Performing the liquid quality control (LQC) was easy						
Performing the instrumental quality control (IQC) was easy						
The lab was always notified in time to pick up the blood sample						
Sample collection by the taxi service was always		П		П		

on time

Section 13/17: Role of the POC coordinator

During the study, you were able to contact our POC coordinator, Cindy Verwichte, at the lab of ZOL Genk at any time. We would like to evaluate your experience.

Question 14: What is your opinion about the role of the POC coordinator? *

Mark only one answer per row.

The POC coordinator was always able to be reached	Totally disagree □	Partially disagree □	Neutral	Partially agree □	Totally agree □
The POC coordinator was able to answer your questions					
The POC coordinator offered solutions to your problems					

Section 14/17: Connectivity

One of the important pillars of the legal framework of POC testing is the connectivity between the device in practice and reference laboratory. The connection is very important in both directions. In essence, we would like to ask whether the result of the rapid test was sent to the laboratory and whether the result of the control sample was entered into your patient records. Again, we would like to hear about your experience.

Question 15: What is your opinion about the connectivity? *

Mark only one answer per row.

The connection was stable (the green light was always on)	Totally disagree □	Partially disagree □	Neutral	Partially agree □	Totally agree □
The result of the control sample was always sent to the patient record					

Section 15/17: Indication of the POC test

Question 16: Can you rank the following indications in terms of importance?

Mark only one answer per column.

In terms of importance	first indication	second indication	third indication	fourth indication	fifth indication
Diagnostic uncertainty					
Case-finding in patients with cardiovascular risk					
Prognosis in known heart failure					
Follow-up in the treatment of heart failure					
Another indication; you can specify this in a moment					

Question 17: What are the other indications?
Section 16/17: Some open questions to conclude In this section, we would like to give you the opportunity to freely express your opinion about the device. We assess both the strengths and weaknesses. Of course, we realize that answering open questions requires some effort, but your opinion is very much appreciated.
Question 18: What are the strengths of this device? *
Question 19: What are the shortcomings of this device? *
Question 20: Which lab test would you use as a POC test in your practice?

Section 17/17: Thank you for your participation

The team from the University of Leuven, ZOL Genk, Roche and I thank you for your cooperation. Please, do not forget to return your completed questionnaire. Thank you.