

## Early screening with pulse oximetry for the detection of critical cyanotic congenital heart defects. Diagnostic test study

### Tamizaje temprano con oximetría de pulso para la detección de cardiopatías congénitas críticas cianóticas. Estudio de pruebas diagnósticas

#### Appendix 1. Protocol for telephone contact during follow-up in the pulse oximetry project

Hello, good morning (afternoon) Mr./Ms. \_\_\_\_\_, this is \_\_\_\_\_ speaking. I am calling on behalf of the Pediatrics research group from the Universidad Pontificia Bolivariana and the Clínica Universitaria Bolivariana. We are currently conducting a clinical study aimed at detecting babies with possible heart disease.

We are calling because, before your child's hospital discharge, you may remember that a test was performed to determine the presence of heart abnormalities, and you signed an informed consent form to participate in this study. For this reason, we would like to ask for approximately five minutes of your time to explain the study and ask you a few short questions.

Response 1 - Not interested: Mr./Ms., thank you very much for your time. We wish you a wonderful day.

Response 2 - Interested but cannot attend: We will reschedule the call.

Response 3 - Interested and available to speak: Thank you very much for allowing me this time. The objective of this study is to identify children who have heart disease, which may not have been detected at the time of the test conducted in the hospital. Please note that this research is exclusively academic and has been evaluated and approved by the ethics committees of the School of Health Sciences at the Universidad Pontificia Bolivariana and the Clínica Universitaria Bolivariana.

Your child underwent screening for critical congenital heart disease (CCHD) before discharge, which was negative, so no additional interventions were required. We would now like to know if, after discharge:

- Has the baby required a cardiology appointment or hospitalization due to heart issues?
- Has the baby required heart-related surgery?
- Has the baby shown any symptoms of heart failure, such as turning blue during feeding, stopping breathing, or sweating excessively?
- What is the baby's current condition at the time of the call? (alive or deceased)

If any of the answers are positive, we will request a copy of the medical history from the mother or contact the hospital where the baby is being treated to verify the diagnosis of CCHD.

If all responses to the previous questions are negative, we will ask the following questions to assess potential symptoms (e.g., turning blue, excessive sweating during feeding, or fatigue with feeding), which could suggest the presence of heart disease.

If any of these symptoms are present, we will schedule an appointment for the mother and newborn at the Clínica Universitaria Bolivariana for a comprehensive evaluation and to determine the need for an echocardiogram.

If the interview results in no concerns, the patient will be discharged from follow-up.

After this, do you have any questions?

Thank you very much for your valuable time, and have a wonderful day.