



Office of Human Research  
 Institutional Review Board  
 Jefferson Alumni Hall  
 1020 Locust Street, Suite M-34  
 Philadelphia, PA 19107  
 T 215-503-8966  
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July 11, 2017

Amanda Roman-Camargo, MD  
 Obstetrics and Gynecology/Maternal Fetal

Dear Dr. Roman-Camargo:

The **Institutional Review Board (IRB)** has reviewed the involvement of humans as research subjects in your study entitled:

**“Cervical cerclage for preventing spontaneous preterm birth in twin pregnancies with transvaginal ultrasound cervical length  $\leq$  15mm: a study protocol for a randomized clinical trial” (Departmental Control #17D.326**

In accordance with Federal-Wide Assurance #00002109 to the U.S. Department of Health and Human Services, this study was **approved** for one year by Board #153 on **6/22/17** at Thomas Jefferson University following:

**NEW/FULL ( X )                                      EXPEDITED/NEW ( )                                      Board Review**

**THIS APPROVAL REQUIRES THAT INFORMED CONSENT BE OBTAINED FROM ALL PERSONS PRIOR TO THEIR INVOLVEMENT IN THE STUDY BY THE USE OF THE LATEST APPROVED PATIENT CONSENT FORM. EACH SUBJECT MUST RECEIVE A COPY OF THEIR SIGNED CONSENT FORM.**

This approval expires on **6/21/18**, one year from the original approval date, unless suspended or terminated earlier by action of the IRB. At the end of the current approval, a report (Form OHR-9) must be submitted to the IRB summarizing progress on the study during that period.

If you wish to continue the study beyond the expiration of this approval, an application for continuation of your study must be submitted to the IRB at least one month prior to the expiration date.

Any injury and/or unanticipated problem involving risks to the human research subjects not included in the written consent form must be reported promptly to the IRB using Form OHR-10 OFF-SITE or the eSAEy on-line reporting system for on-site events. This report should describe the event, evaluate its probable relationship to the experimental treatment received by the subject, and summarize the resulting outcome of the event.

Any proposed change in the protocol or in the written consent form must be submitted with Form OHR-12 to the IRB for review and approval before the proposed change can be implemented.

**This approval verifies that the IRB operates in accordance with applicable federal, local and institutional regulations that govern IRB operations.**

Sincerely yours,

Kyle Conner, M.A., CIP  
 Associate Director  
 Office of Human Research

KC/jw



**Thomas Jefferson University**  
**Informed Consent Document for Human Subjects Research – OHR-8**  
**Version Date – FOR OHR USE: 9/1/16**

**Department:** OB/GYN

**Principal Investigator:** Amanda Roman-Camargo, MD **Telephone:** 215-955-9200

**Co-Investigator(s):** Vincenzo Berghella, MD; Jason Baxter, MD, MSCP; Rupsa Boelig, MD; Hannah Anastasio, MD; Andrew Ward, MD; Johanna Quist-Nelson, MD, Kerry Sendek, CNP, Stephanie Sendek, CNP.

**Telephone:** 215-955-9200

**Medical Study Title:** Cervical cerclage for preventing spontaneous preterm birth in twin pregnancies with transvaginal ultrasound cervical length  $\leq$  15mm: a study protocol for a randomized clinical trial

**Lay Study Title:** A research study to examine the effectiveness of using cervical stitch to prevent premature delivery in women with twin pregnancy and very short cervix  $\leq$  15mm prior 24 weeks of gestation

**What Is Informed Consent?**

You are being asked to take part in a medical research study. As required by federal regulations, this research study has been reviewed and approved by an Institutional Review Board (IRB), a University committee that reviews, approves and monitors research involving humans. Before a knowledgeable decision about whether to participate in a research study can be made, the possible risks and benefits related to the study should be understood. This process of learning and thinking about a study before deciding to participate is known as *informed consent* and includes:

- Receiving detailed information about this research study;
- Being asked to read, sign and date this consent form once the nature of the study is understood and a decision is made to participate. If there is anything about the study you don't understand or if there are questions, you should ask for explanations before signing this form;
- Being given a copy of the signed and dated consent form to keep...

A patient who joins a research study has a relationship with the study doctor that is different than the relationship with a treating or personal doctor. A treating doctor treats a specific health condition with the goal of improving that condition. A study doctor treats all subjects according to a research plan to obtain information about the experimental drug, device or procedure being studied and with the understanding that there may or may not be benefit from being in the study. The study doctor and study staff can provide more information about research as opposed to treatment.

47 **What is the purpose of this study?**  
48

49 When women with twin pregnancy has an ultrasound evaluation between 18 to 24 weeks, a  
50 transvaginal ultrasound (internal exam) will be offered to measure how long is the cervix (the  
51 opening to the womb), this measurement (in millimeters) should be longer than 25 mm. Women  
52 who are found having a very short cervical length ( $\leq 15$  mm) detected on transvaginal ultrasound  
53 before 24 weeks are at increased risk for delivering their babies preterm (before 37 weeks  
54 gestation). Prematurity is associated with many complications for the newborns including  
55 respiratory (breathing) problems, bleeding inside of the brain (a form of stroke), increased risk of  
56 infection, kidney, temperature and feeding problems. These complications occur more often  
57 earlier in pregnancy (second trimester, from 23 to 28 weeks of pregnancy). The transvaginal  
58 cervical cerclage is a suture (a wide flat string) placed around the cervix (the opening to the  
59 womb), like a purse string that may help to prevent preterm birth. Cervical cerclages have been  
60 used for many years to prevent preterm birth in women carrying one baby, and found to have a  
61 short cervical length. While some case reports have found that cervical cerclage may prevent  
62 preterm birth in twin pregnancies, the use of cervical cerclage to prevent preterm birth in this  
63 study is experimental.

64  
65 The purpose of this research is to determine whether the use of cervical cerclage in women with  
66 twin pregnancy and cervical dilation before 24 weeks will prevent, or reduce the occurrence of  
67 preterm birth.  
68

69 **How many individuals will participate in the study and how long will the study last?**  
70

71 We hope to enroll 200 patients nationally and internationally including 12 patients here at  
72 Jefferson. Each participant will be in the study from the time of enrollment to the end of the  
73 pregnancy and to the discharge of the infants from the hospital after delivery.  
74

75 **What will happen during the study?**  
76

77 Women with twin pregnancy who are found to have very short cervical length ( $\leq 15$  mm) during  
78 transvaginal ultrasound exam before 23 weeks and 6 days will be invited to participate in the  
79 study.  
80

81 Before any research activities can happen, you will be given time to read this consent form and  
82 discuss the research protocol with your family or your significant other. The information in the  
83 form will be reviewed with you, and all of your questions will be answered. One of the  
84 physicians involved in this research project will explain to you all the risks, benefits and  
85 alternatives to the surgical procedures involved in the cerclage placement before you decide  
86 whether you would like to participate in this study. If you agree to participate in the study, you  
87 will be asked to sign this form.  
88

89 You will have a vaginal exam done so the research clinician can examine your cervix and be sure  
90 it is still closed.

91 As per standard of care the risk of preterm birth associated with twin pregnancy and a very short  
92 cervical length (less than 15mm) will be discussed. You will be offered daily vaginal  
93 progesterone from the day of diagnosis of short cervical length up to 36 weeks of pregnancy as  
94 per standard of care

95  
96 You will then be randomly assigned (flipping a coin) to one of two management strategies for  
97 your short cervix:

98  
99 **Management Strategy 1:** In addition to the prescribed vaginal progesterone, you will have a  
100 surgical procedure under anesthesia called cervical cerclage at the Thomas Jefferson Hospital  
101 main operating room; this involves placing a suture or tape around your cervix (opening to the  
102 womb) to close it again. The procedure will be performed by an Ob/Gyn doctor with special  
103 training in this kind of procedure. The doctor placing the cervical cerclage must be a study  
104 investigator; this cannot be placed by your regular Ob/Gyn. If you agree with the procedure, a  
105 precertification request will be sent to your insurance to assure coverage of your surgery. Your  
106 surgery will be scheduled as soon as possible after insurance approval. You will receive  
107 antibiotics during the surgery and pain medication after the procedure. You may be kept under  
108 observation in the hospital and be discharged when you are considered to be safe to go home,  
109 every part of your treatment will be fully explained.

110  
111 After the cervical cerclage has been placed, you will receive routine prenatal care from your Ob  
112 care provider; you will continue with the vaginal progesterone every day until 36 weeks as  
113 standard of care. The study coordinator will notify your Ob care provider that you are  
114 participating in the study and that you have a cervical cerclage placed. The study coordinator will  
115 contact you monthly to ask how your pregnancy is progressing. Your care provider will remove  
116 the cerclage during your 36<sup>th</sup> week of pregnancy (approximately 4 weeks before your due date),  
117 or earlier if needed. The cerclage can be removed in the office during a speculum exam, you will  
118 not be required to return to the operating room for removal of the cerclage. The provider  
119 removing the cerclage does not have to be a study investigator.

120  
121 **Management Strategy 2:** You will receive routine prenatal care, you will continue with the  
122 prescribed vaginal progesterone every day until 36 weeks as standard of care. No cerclage will  
123 be placed. The study coordinator will notify your Ob care provider about the findings during  
124 your physical exam and that you are participating in the study and that you did not receive a  
125 cerclage. The study coordinator will contact you monthly to ask how your pregnancy is  
126 progressing.

127  
128 You have a 50% chance of being assigned to either management strategy.

129  
130 After randomization to either management strategy 1 or 2, you will continue routine prenatal  
131 care. After you are assigned to your study group, all of your care will be managed by the regular  
132 clinical team, not the research team. While Dr. Roman-Camargo is the director of the study, she  
133 may or not be your treating physician. Clinical questions about treatment should be addressed to  
134 your clinical team.

135 You will be ask to sign a release of medical information in case you delivered at a different  
136 institution than Thomas Jefferson University Hospital or if your babies are transferred to a  
137 different institution prior to being discharged home.

138  
139 Soon after your babies have been delivered, you will be asked to answer some questions about  
140 your pregnancy and your baby's health. The research team will also review your medical records  
141 for information about the outcome of your pregnancy or will use the medical release form to  
142 obtain records from a different institution than Thomas Jefferson University Hospital.

143  
144

145 **What are the side effects and other risks or discomforts involved?**

- 146
- 147 • Minimal discomforts are expected during the pelvic exam (like when you have your pap  
148 smear done) and possible anxiety caused by the evaluation of your cervix.
  - 149 • The likelihood of cerclage placement's side effects are based on previous use in singleton  
150 pregnancies.
  - 151 • Additional risks are related to the surgical procedure and risks of anesthesia (usually regional  
152 anesthesia: spinal or epidural) and may include allergy to medications, low blood pressure  
153 (hypotension), headache after the procedure, pain on the site of injection (your back). The  
154 anesthesia team will explain the risks, side effects and will answer all your questions prior to  
155 the procedure.
  - 156 • Intraoperative risks: Breaking the bag of water (rupture of amniotic membranes) during  
157 surgery that could mean the possible loss of your pregnancy (less than a 1%), cervical tearing  
158 and scaring, bleeding (usually around 2 tablespoons), undetected intrauterine infection,  
159 inability of cerclage placement, preterm labor and preterm delivery.
  - 160 • After surgery risks: Although many women experience vaginal discharge during pregnancy,  
161 you are very likely to experience non-infectious vaginal discharge if you have a cerclage  
162 placed due to a change in the type of bacteria that naturally live in the vagina
  - 163 • It is possible that the cerclage may not prevent preterm birth or prolong pregnancy more than  
164 routine care (management strategy 2).
  - 165 • In case of contractions you may experience vaginal bleeding secondary to cervical tearing, if  
166 you have the cerclage in place. You should call your obstetrician in case of any vaginal  
167 bleeding during pregnancy.
  - 168 • All attempts will be made to rule out intrauterine infection prior to presenting to the study.  
169 However, intrauterine infection may be present, but unknown or undetected at the time of the  
170 cerclage placement, or it may develop afterward due to the short cervix.
  - 171 • Risk during the cerclage removal: The purse string is usually removed in the office.  
172 Discomforts may include discomfort and minimal amount of bleeding from the cervix (no  
173 more than a table spoon). Most women tolerate the procedure very well, in very few  
174 occasions if the removal is not tolerated it may require removal in the operating room under  
175 sedation and monitoring by an anesthesiologist in the Labor and Delivery suit.
  - 176 • While the research personnel has the obligation to keep all your personal and medical  
177 information confidential, there is a small risk of loss of confidentiality.
  - 178 • The present research protocol may involve risks that are currently unforeseeable.
- 179

180 **Things you should know about side effects:**

- 181 • Who will or will not have side effects is not predictable  
182 • Some side effects are mild while others may be severe  
183 • There may be treatments available that could reduce the severity of side effects  
184 • The study doctor/research staff will discuss the risks listed below in greater detail with  
185 you

186  
187 Tell the study doctor or research team as soon as possible if any of the side effects, risks or  
188 discomforts listed below occur or if you think a side effect that is not listed may be happening.

189  
190 If your condition worsens, if side effects become very severe, or if it turns out that being in this  
191 study is not in your best interest, you can request to be taken out of the study.

192  
193 If questions come up about side effects, ask the study doctor or staff at any time during or after  
194 the study.

195  
196 You may or may not have more side effects depending on what group you are assigned to.

197  
198 **Are there benefits from being in this study?**

199  
200 Most women with twin pregnancies with very short cervix will deliver before 28 weeks. You  
201 will not be offered cervical cerclage placement outside of the research study as this is not part of  
202 the standard of care.

203  
204 There may be no benefit to you from being in this research, but we hope that what we learn may  
205 be helpful to future patients or society in general. If the cerclage is found to decrease preterm  
206 birth, this knowledge could be helpful to many women and babies in the future.

207  
208  
209 **Are there alternatives to being in the study?**

210  
211 Routine care of women with twin pregnancy and very short cervix prior to 24 weeks varies in the  
212 United States, and at this time there are very few interventions that have been proven to prolong  
213 pregnancy. Participation in this study is entirely voluntary. There may be other alternatives that  
214 could be considered. These alternatives may include: ending the pregnancy due to risk of very  
215 preterm delivery between 23 to 26 weeks of gestation or to continue expectant management  
216 (waiting and watching) as the standard of care. The study doctor will provide information about  
217 the study and any alternative treatments available.

218  
219 **How will privacy and confidentiality (identity) be protected?**

220  
221 Federal regulations require that certain information about individuals be kept confidential. This  
222 information is called “protected health information” (PHI). PHI includes information that  
223 identifies an individual personally such as name, address and social security number, or any  
224 medical or mental health record, or test result, that may have this sort of information on it. The

225 laws state that people may see and review their medical records at any time. However, in a  
226 research study, people may not see the study results or other data about the study until after the  
227 research is completed unless the study doctor decides otherwise.  
228

229 The following individuals or entities may have access to your PHI and by law must protect it.  
230 These include investigators listed on this consent form and other personnel of Thomas Jefferson  
231 University, Jefferson University Physicians, and Thomas Jefferson University Hospitals, Inc.  
232 involved in this specific study, the University's Office of Human Research and the Institutional  
233 Review Board (IRB), and your health insurance company (if necessary for billing for standard  
234 medical care).  
235

236 PHI collected during this study may also be shared with the following entities that, while not  
237 obligated by law to protect PHI, will protect it to the best of their ability:

- 238 • The Food and Drug Administration (FDA)
  - 239 • A Data and Safety Monitoring Committee (DSMC),
  - 240 • With any person or agency required by law.
- 241

242 The following information will be provided to the study sponsor and other entities noted above:

243  
244 **Study data for analysis:**  
245

- 246 • Results of ultrasounds performed during your pregnancy (but not pictures)
  - 247 • In case of cerclage: surgical information data: surgical technique, type of suture.
  - 248 • Admissions to the hospital: medications during admissions while still pregnant
  - 249 • Delivery information and Neonatal information
- 250

251 **Demographic data:**  
252

- 253 • Maternal age (years)
  - 254 • Ethnicity (self-reported)
  - 255 • Number of placentas (one or two)
  - 256 • Gestational age at the time of short cervix diagnosis (weeks)
  - 257 • Gestational age at randomization (weeks)
  - 258 • Gestational age at cerclage placement (weeks)
  - 259 • Gestational age at delivery (weeks)
  - 260 • Information about your babies: birth weight, Apgar scores, admission to neonatal unit and  
261 complications during their stay in the hospital until discharge home.
- 262

263 If you develop an illness or injury during the course of participation in this study, other PHI  
264 about treating and following the condition may be generated and disclosed as it relates to this  
265 study.  
266

267 PHI collected as part of this research may be used/disclosed indefinitely. For the purpose of the  
268 study, your PHI will be removed and all the data regarding your pregnancy and babies'  
269 information will receive a research number (de-identified information). Only authorized personal

270 will have access to your PHI data. Accidental disclosure of your “protected health information”  
271 (PHI) may put you at risk of identity theft.

272  
273 You may quit the study and revoke permission to use and share PHI at any time by contacting the  
274 principal investigator, in writing, at: **Dr. Amanda Roman-Camargo, 833 Chestnut St., First**  
275 **floor, Philadelphia, PA 19107**. Further collection of PHI will be stopped on those who quit the  
276 study, but PHI that has already been collected may still be used.

277  
278 The results of clinical tests and procedures performed as part of this research may be included in  
279 your medical records. The information from this study may be published in scientific journals or  
280 presented at scientific meetings but no one will be personally identified in these publications and  
281 presentations.

282  
283 A description of this clinical trial will be available on <http://www.ClinicalTrials.gov>, as required  
284 by U.S. Law. This Web site will not include information that can identify you. At most, the Web  
285 site will include a summary of the results. You can search this Web site at any time.

286  
287 **What happens in case of injury as a result of being in this study?**

288  
289 In the event of a research-related injury, necessary and available medical care (including  
290 hospitalization) will be provided. A research-related injury is a physical injury or illness that is  
291 directly caused by any procedure or treatment used in this study that is different from the  
292 treatment you would receive if not participating in a research study. If physical injury occurs due  
293 to any drug/substance or procedure properly given under the plan for this study, medical  
294 expenses for treating the injury will be billed to your insurance carrier. You should be aware that  
295 some costs may not be covered by insurance and may become your responsibility. There is no  
296 plan to provide compensation for loss of wages, lost time from work, personal discomfort, or for  
297 injuries or problems related to your underlying medical condition(s).

298  
299 If a bill related to a research-related injury is received that seems wrong, please discuss it with  
300 the study doctor or research coordinator.

301  
302 **Is there payment for being in this study?**

303  
304 There is no payment for participating in this study.

305  
306 **Are there costs related to being in this study?**

307  
308 The study does not cover any of your medical care for your pregnancy. If you are assigned to  
309 receive a cerclage, it will be billed to your insurance, we will request a precertification form your  
310 insurance prior to the procedure.

311  
312 You and/or your insurance provider will be responsible for all costs incurred during the  
313 management of your pregnancy.

314  
315



316 ***Research Procedures***

317  
318 The use of a cervical cerclage in twin pregnancies with cervical dilation to prevent preterm birth  
319 is experimental.

320  
321 The cost of the investigational surgical procedure (cervical cerclage) will be the responsibility of  
322 you or your insurance carrier. The study doctor will discuss this with you before you agree to be  
323 in the study.

324  
325 ***Standard Testing Procedures***

326  
327 Standard of care procedures and doctor visits will be billed to your health insurance carrier.  
328 These are charges that would be billed to insurance whether in a research study or not. It is  
329 possible that insurance coverage may be denied. If that happens you may be responsible for some  
330 or all of these charges. The study doctor will explain which procedures, tests and doctor visits are  
331 considered standard of care.

332  
333 If a bill is received that you think is wrong, please discuss it with the study doctor or research  
334 coordinator.

335  
336 **What if the research results in new findings?**

337  
338 Anything learned during the study, beneficial or not, that may affect your willingness to continue  
339 in the study, will be explained.

340  
341 **Can I be removed from the study or quit the study?**

342  
343 Your decision to participate in this research study is entirely voluntary. You have been told what  
344 being in this study will involve, including the possible risks and benefits.

345  
346 Your participation in this research project may be terminated by the study doctor or study  
347 sponsor without your consent for any reason that he/she feels is appropriate. Examples of these  
348 reasons are: the study doctor feels it is necessary for your health or safety, you have not followed  
349 study instructions, or the Food and Drug Administration (FDA) has decided to stop the study.

350  
351 You may refuse to participate in this investigation or withdraw consent and quit this study  
352 without penalty and without affecting the ability to receive medical care at Thomas Jefferson  
353 University.

354  
355 If you withdraw from this study, you may continue treatment with your Jefferson doctor, or you  
356 may seek treatment from another doctor of your choice.

357  
358 Should you decide to withdraw from the study, please be sure to inform the study doctor.  
359 Additional tests or procedures may be needed to ensure your safety. The study doctor will  
360 explain why these tests or procedures are necessary.

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**CONTACT INFORMATION**

**If you are having a medical emergency, call 911 or go directly to an emergency room. You should let emergency personnel or providers know that you are participating in this study.**

Telephone number for questions about your rights as a research participant	The Jefferson Institutional Review Board	215-503-8966
For questions, concerns or complaints about the research, or if you suspect a research-related injury	The Principal Investigator, Dr. Amanda Roman-Camargo or any co-investigator listed at the beginning of this form	215-955-9200
If you have difficulty contacting the study staff	Call the Jefferson Office of Human Research	215-503-0203

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If you want more information about the Jefferson Institutional Review Board or Jefferson's Human Research Protection Program, please visit our website at [http://www.jefferson.edu/human\\_research/irb/index.cfm](http://www.jefferson.edu/human_research/irb/index.cfm).

**Subject Communications**

Do you wish to communicate with the study staff by e-mail? YES \_\_\_\_\_ NO \_\_\_\_\_

If you checked yes, please print your e-mail address on the line below.

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**RISKS:** Steps are taken to protect your confidentiality when sending information by e-mail. However, e-mail is not always secure. There is always the risk that personal information sent by email could be seen by someone other than you.

**YOU SHOULD NEVER USE E-MAIL TO REPORT A SUSPECTED ADVERSE EVENT OR ANY OTHER MEDICAL PROBLEM. THESE SHOULD BE REPORTED BY TELEPHONE.**

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**Non-Waiver of Legal Rights Statement**

- ✓ **By your agreement to participate in this study, and by signing this consent form, you are not waiving any of your legal rights.**
- ✓ **In order to be in this research study, you must sign this consent form.**
- ✓ **You affirm that you have read all pages of this consent form. You have been told that you will receive a copy.**

**SIGNATURES**

_____ Your Name	_____ Your Signature	_____ Date
_____ Name of <b>Person Conducting Consent Interview</b>	_____ Signature of <b>Person Conducting Consent Interview</b>	_____ Date
_____ Name of <b>Investigator or Co-Investigator</b>	_____ Signature of <b>Investigator or Co-Investigator</b>	_____ Date
_____ Name of <b>Witness</b>	_____ Signature of <b>Witness</b>	_____ Date

*(Witness required if the only language the subject speaks and understands is English, but the subject cannot read English, or if the subject is blind or cannot physically sign the consent form.)*

422 **Optional Teach-Back Questions** – These questions can be asked to help ensure that the patient  
423 understands the study.

424  
425  Check this box if these questions were reviewed with the patient.

426  
427 We have gone over a lot of information. I would like to ask you a few questions to make sure I  
428 have done a good job explaining the study to you.

429  
430 1. In your own words, please answer these questions about this study:

431 a. Why are we doing this study (what are we trying to learn)?

432 b. What things (including tests and procedures) will you have to do in this study?

433 c. What are some of the risks of being in this study?

434 d. What is the benefit of being in this study?

435 e. How will being in this study be different than usual medical care?

436 f. How long will you be in this study?

437 2. Taking part in this study is voluntary. What does that mean to you?

438 a. If you don't want to be in this study, what are your other choices?

439 b. What will happen if you chose not to be in this study?

440 3. What will we do to make sure your information remains confidential?

441 4. What other questions do you have about this study?

46 **Appendix #2 Monthly Follow-Up**

47

48 Since our last contact with you, have you experienced any complications with your pregnancy?

49  Yes  No. If yes, please describe: \_\_\_\_\_

50 Since our last contact with you, have you been seen for a problem outside of a regularly  
51 scheduled prenatal visit?  Yes  No

52 Since our last contact with you, have you been seen on labor and delivery, the labor and delivery  
53 triage unit, or the emergency room?  Yes  No . If yes please describe:

54 \_\_\_\_\_

55 Since our last contact with you, have you experienced vaginal bleeding?  Yes  No

56 Since our last contact with you, have you experienced vaginal discharge?  Yes  No

57 Since our last contact with you, have you experienced contractions?  Yes  No

58 Since our last contact with you, have you experienced leaking of fluid?  Yes  No

59 Were you admitted to the hospital?  Yes  No

60 Why were you admitted to the hospital? \_\_\_\_\_

61 What dates were you admitted? \_\_\_\_\_

62 If yes, for how many days? \_\_\_\_\_

63 Were you treated with steroid shots for fetal lung maturity?

64 \_\_\_\_\_

65 Were you treated with medication to stop preterm contractions or labor?  Yes  No

66 Was the cerclage removed? Why \_\_\_\_\_

67 Since our last contact with you, have you had sexual intercourse?  Yes  No

68 Additional notes/comments: \_\_\_\_\_

69

70

1 **Appendix #1: Initial Follow up**

2  
3 Record ID \_\_\_\_\_

4 Date of contact: \_\_\_\_\_

5 Method of contact:

6  Email

7  Phone call

8  RedCap Survey

9  Text Message

10  Other: \_\_\_\_\_

11 Name of person contacting participant: \_\_\_\_\_

12 Have you experienced any complications with your pregnancy? [ ] Yes [ ] No

13 If yes, please describe: \_\_\_\_\_

14 Have you been seen for a problem outside of a regularly scheduled prenatal visit? [ ] Yes [ ] No

15 Was this visit for: \_\_\_\_\_

16 Have you been seen on labor and delivery, the labor and delivery triage unit, or the emergency  
17 room? [ ] Yes [ ] No; if yes please describe: \_\_\_\_\_

18 Have you experienced vaginal bleeding? [ ] Yes [ ] No

19 Have you experienced vaginal discharge? [ ] Yes [ ] No

20 Have you experienced contractions? [ ] Yes [ ] No

21 Have you experienced leaking of fluid? [ ] Yes [ ] No

22 Were you admitted to the hospital? [ ] Yes [ ] No

23 What dates were you admitted? \_\_\_\_\_

24 For how many days? \_\_\_\_\_

25 Why were you admitted to the hospital? \_\_\_\_\_

26 Were you treated with steroid shots for fetal lung maturity? [ ] Yes [ ] No

27 Were you treated with medication to stop preterm contractions or labor? [ ] Yes [ ] No

28 Was the cerclage removed? Why \_\_\_\_\_

29 Have you had sexual intercourse since you were enrolled in this study? [ ] Yes [ ] No

30 Additional notes/comments: \_\_\_\_\_

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