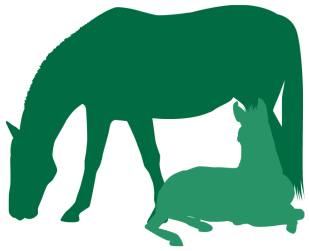


Western College of Veterinary Medicine

Equine Umbilical Study

Mare Name:	
Mare Breed:	
Mare Age:	
# of previous foals:	
Date of Foaling:	
Gestational Length (days):	

Describe any abnormalities in the **foaling process**:

Owner Email: (for follow up)	
Time to sitting up (min):	
Time to standing (min):	
Time to suckling (hr):	

Foal Sex:	Male	Female
Foal Pulse (per min):		
Foal Resp. (per min):		

Describe any abnormalities in the **foal at birth**:

Dystocia Score:
- ☐ No assistance required
- ☐ Mild assistance required (e.g. one person)
- ☐ Significant assist. required (e.g. mechanical)
- ☐ Caesarean section

Meconium Staining:
- ☐ Foal had *no* meconium staining
- ☐ Foal had yellow to brown meconium staining

Mucous Membrane Colour:
- ☐ Pink
- ☐ Pale pink
- ☐ Gray/blue

Ear Tickle:
- ☐ Foal shakes head vigorously, moves head away
- ☐ Foal shakes head slightly
- ☐ Foal does not respond

Nose Stimulus:
- ☐ Foal grimaces, moves head away
- ☐ Foal moves head slightly
- ☐ Foal does not respond

Rump Scratch:
- ☐ Foal attempts to stand
- ☐ Foal moves, but does not attempt to stand
- ☐ Foal does not respond

Muscle Tone:
- ☐ Foal sits up successfully
- ☐ Sluggish, unsuccessful attempts to sit up
- ☐ No muscle tone, does not attempt to sit up

Describe any abnormalities in the **placenta and umbilical cord**:

Length of Umbilicus:		
Umbilical Separation:	Spontaneous	Manual
Twists Indented?	No indent	Indentation

Please take a photo of the **entire** umbilicus following the instructions on the back of the sheet.

Once form is complete, please scan/take a photo and email the form and umbilicus photo to **madison@wcvm-equs.ca**.

Western College of Veterinary Medicine

Equine Umbilical Study

This study is being conducted by researchers at the Western College of Veterinary Medicine in Saskatoon, Saskatchewan, Canada.

The aim of this study is to look at the correlation between different features of the umbilical cord and foal health outcomes. In particular, we would like to know about the length of the cord, number of twists and type of twisting.

Participation is entirely voluntary and your horses' data can be withdrawn at any time by contacting the researchers.

If you have any questions or concerns, please contact Dr. Madison Ricard at the email on the front page.

Thank you for your interest and participation!

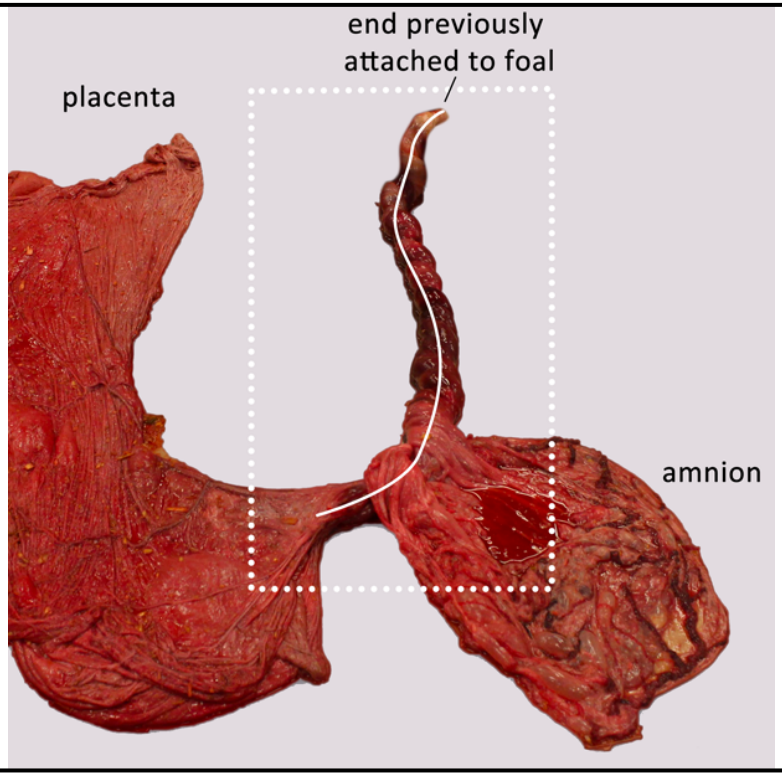
General Instructions

Items within the **bolded line** are **time sensitive**. Please record this information within **10 minutes** of the foal being born.

Please fill out as much information as possible. You do not have to fill out everything for your data to be useful! At a minimum, please supply the umbilical cord information and photo.

Please indicate what unit of measurement you are using for the umbilical cord length.

You will be contacted at 7 days and 30 days after foaling via the email provided, regarding the health of the foal since birth.



Umbilical Cord Measurement and Photo Instructions

1. Record whether the umbilical cord broke on its own (spontaneous) or was manually separated/cut (manual).

2. Measure the entire length of the umbilical cord, from the broken end to its insertion into the placenta (white line in photo).

3. Remove or adjust the amnion so as much of the umbilical cord is visible as possible.

4. Take a photo of the **entire** umbilical cord, including a portion of the placenta for orientation (white box in photo). Please ensure that the photo is good quality and the details of the twisting can be seen. You may need to position the cord in a serpentine or S-shape to fit the whole cord in the photo.

5. Untwist several umbilical twists near the middle of the cord. Indicate whether there is a permanent indent in the cord where the twists were located.