

- 5.2 Monitor for the expulsion of the placenta (usually within 8 hours after birth).
- 5.3 If the dam is not standing after calving:
 - 5.3.1 Encourage her to get up to clean her calf. If not, move the calf closer to her and give her some time.
 - 5.3.2 If the dam refuses to get up after 1 hour of rest and more encouragement, notify the lead technician or dairy manager. Difficult calving may require the application of an anti-inflammatory drug. Consult with the Lead technician or Herd Veterinarian for further instruction.
 - 5.3.3 Monitor for cold ears and lethargy (indicative of milk fever). A cow with milk fever will have cold ears, will be unable to stand, and will require calcium treatments and hydration therapy.
- 5.4 Prepare Fresh Cow Alpha:
 - 5.4.1 Pour 1 package of Alpha electrolyte and 250 ml Glycol into a rubber pail. Add lukewarm water and mix.
- 5.5 Offer the cow/ heifer some Fresh Cow Alpha supplement as she is cleaning the calf. Continue replenishing the pail with lukewarm water until the cow stops drinking.
- 5.6 When the dam has stopped cleaning her calf, offer Group 1 (G1) ration and 2nd cut hay.
- 5.7 POST-PARTUM TREATMENT PROTOCOL:
 - 5.7.1 Restrain the cow using a halter.
 - 5.7.2 CALCIUM:
 - 5.7.2.1 Administer 1 Calcium bolus, orally if the cow is eating/drinking. Injectable calcium (ex. 50cc Theracalcium®, 25cc IM/ 25cc SQ) can be given if the cow is not eating or is too difficult to bolus.
 - 5.7.2.2 Place blue leg bands on hind legs to indicate milking instructions. Refer to appendix [DC-A-4D: Leg Band Color Index](#).
 - 5.7.2.3 Administer a second calcium bolus (or injectable calcium) after 12 hours to cows. In primiparous cows, review for symptoms of milk fever and administer calcium if needed.
 - 5.7.2.4 Review every 12 hours for 24 hours. If symptoms of milk fever (ex. cold ears) are observed, give additional calcium treatments and inform a technician.
 - 5.7.3 GLYCOL:
 - 5.7.3.1 Administer 250 ml Glycol-P orally using the glycol dosing applicator

1. REFERENCES

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- 1.2 Gilbert, Robert. O. (Dec.2014). Retained Fetal Membranes in Cows. *Merck Veterinary Manual*. <https://www.merckvetmanual.com/reproductive-system/retained-fetal-membranes-in-large-animals/retained-fetal-membranes-in-cows>
- 1.3 <http://agrillifecdn.tamu.edu/victoriacountyaggr/files/2010/07/Recognizing-Handling-Calving-Problems.pdf> Spratt, L.R. (July 2010). Recognizing and Handling Calving Problems. *The Texas A&M University System*.
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