Society for Theriogenology	
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Equine Parturition

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MARE PREPARATION

Move mare to foaling location 3-4 weeks before induction.

Mare Impending Parturition

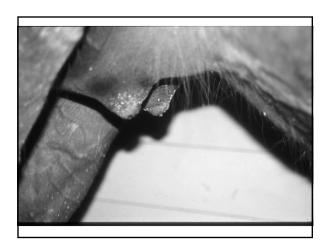
- Relaxed pelvic ligaments
- Relaxed vulva
- Udder development
- "waxed" with colostrum





Mammary Score

- 0 no development
- + slight enlargement clear colored secretion
- ++ further enlargement cloudy, straw colored fluid
- +++ wax on teats, udder and teats fully distended













Equine	Parturition
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First stage 1-4 hours

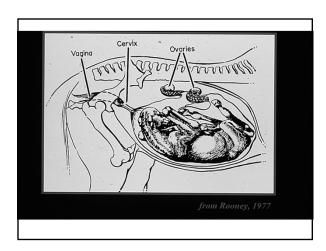
Second stage < 30 minutes

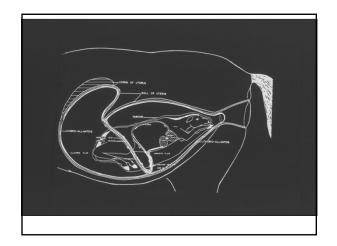
Third stage < 3 hours

Stage I

- Myometrial contractions
- Cervical relaxation
- Birth canal dilation
- Fetal positioning
- Ends with chorioallantois rupture







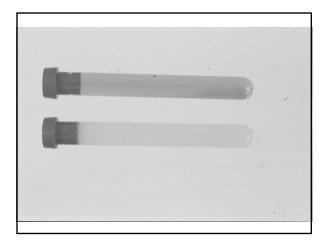




Stage II

- Uterine contractions
- Abdominal contractions
- Fetus passes through birth canal











Stage III

- Expulsion of fetal membranes
- Involution of uterus



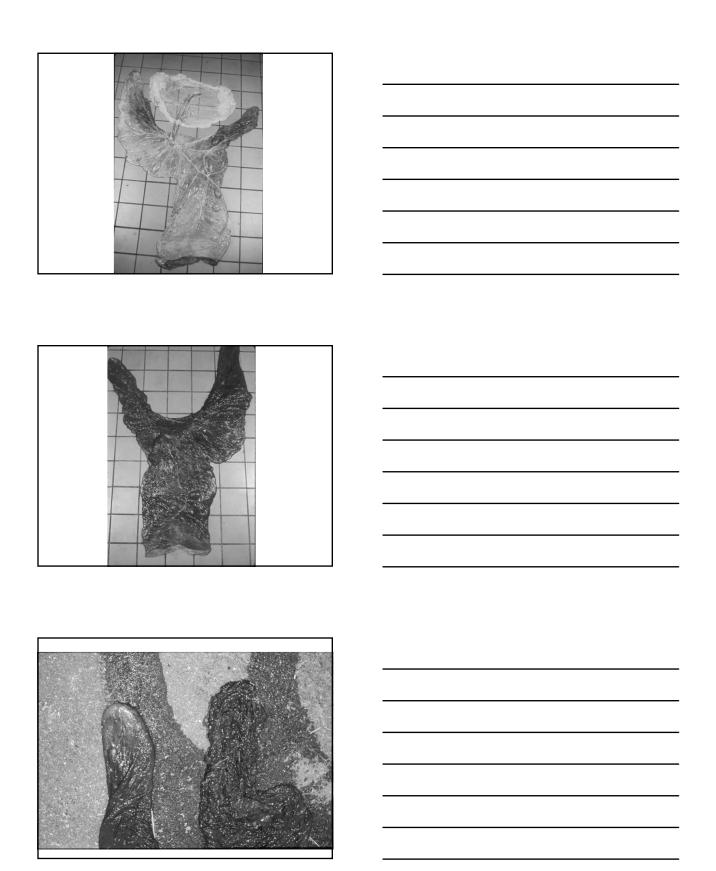




Fetal Membrane Weight

4.0 to 8.4 kg

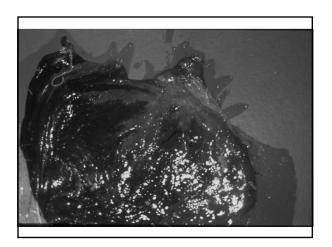


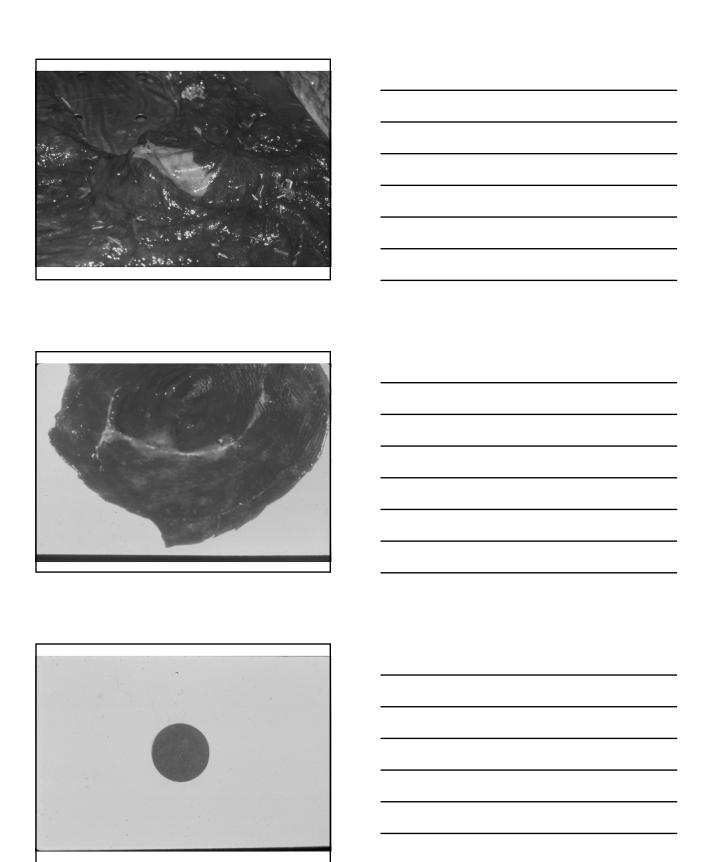


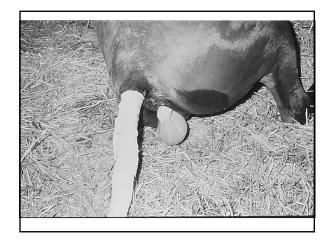


Avillous Chorionic Areas

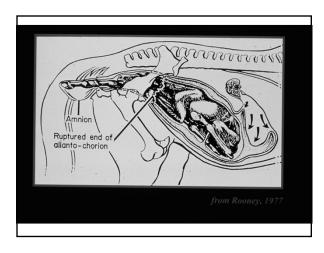
- Cervical star
- Opening of oviducts
- Site of endometrial cups
- Yolk sac attachment
- Invaginated folds





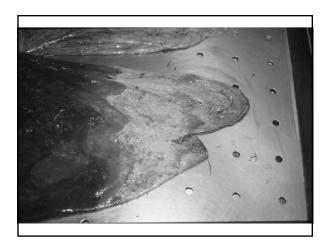






Premature Separation Chorioallantois

- Placental edema
- Ascending placentitis
- Chorioallantois fails to rupture at cervical star
- Foal hypoxic





http://cal.vet.upenn.edu/projects/foaling/index.html	