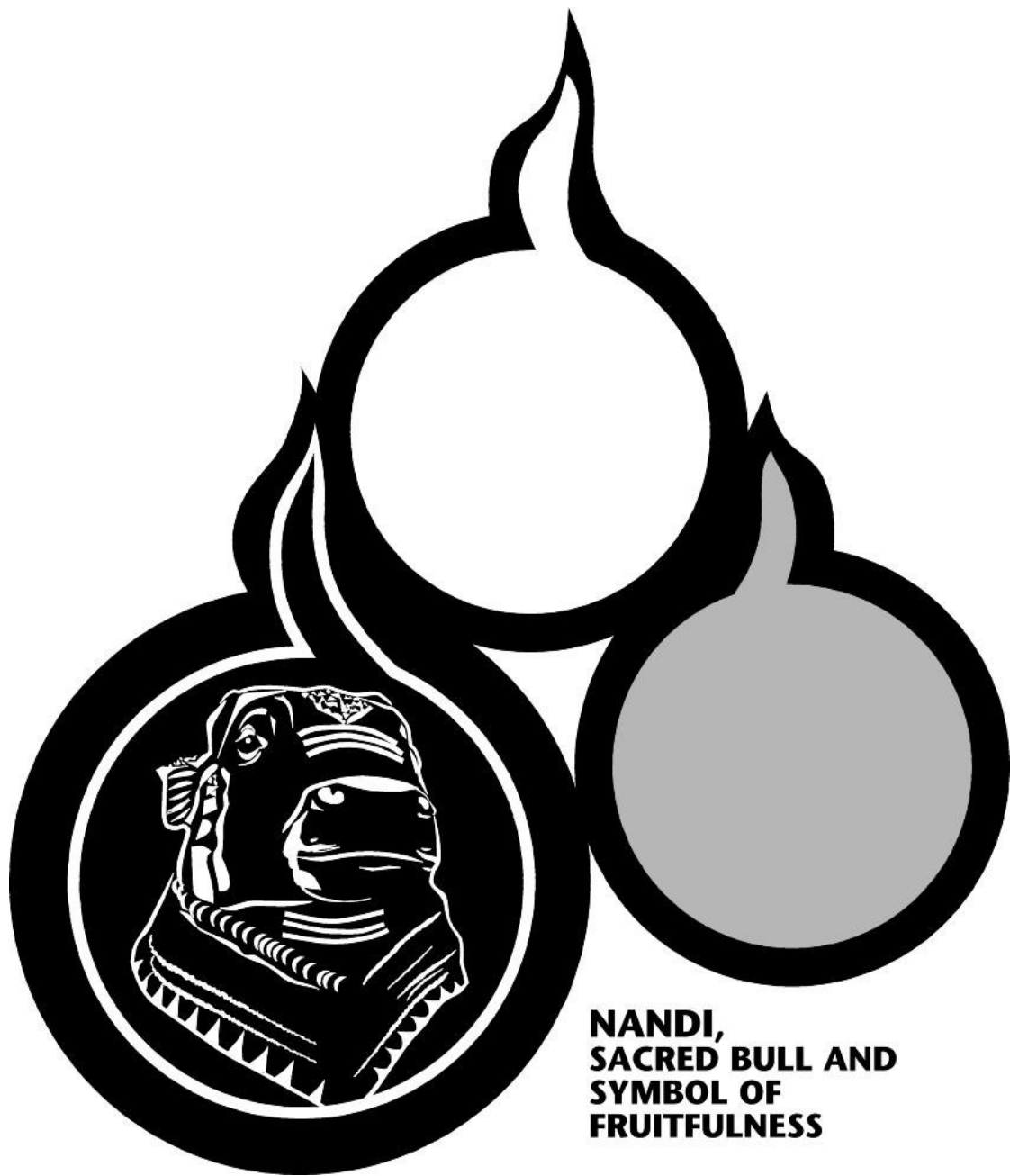




Society for
Theriogenology

www.therio.org



**NANDI,
SACRED BULL AND
SYMBOL OF
FRUITFULNESS**

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













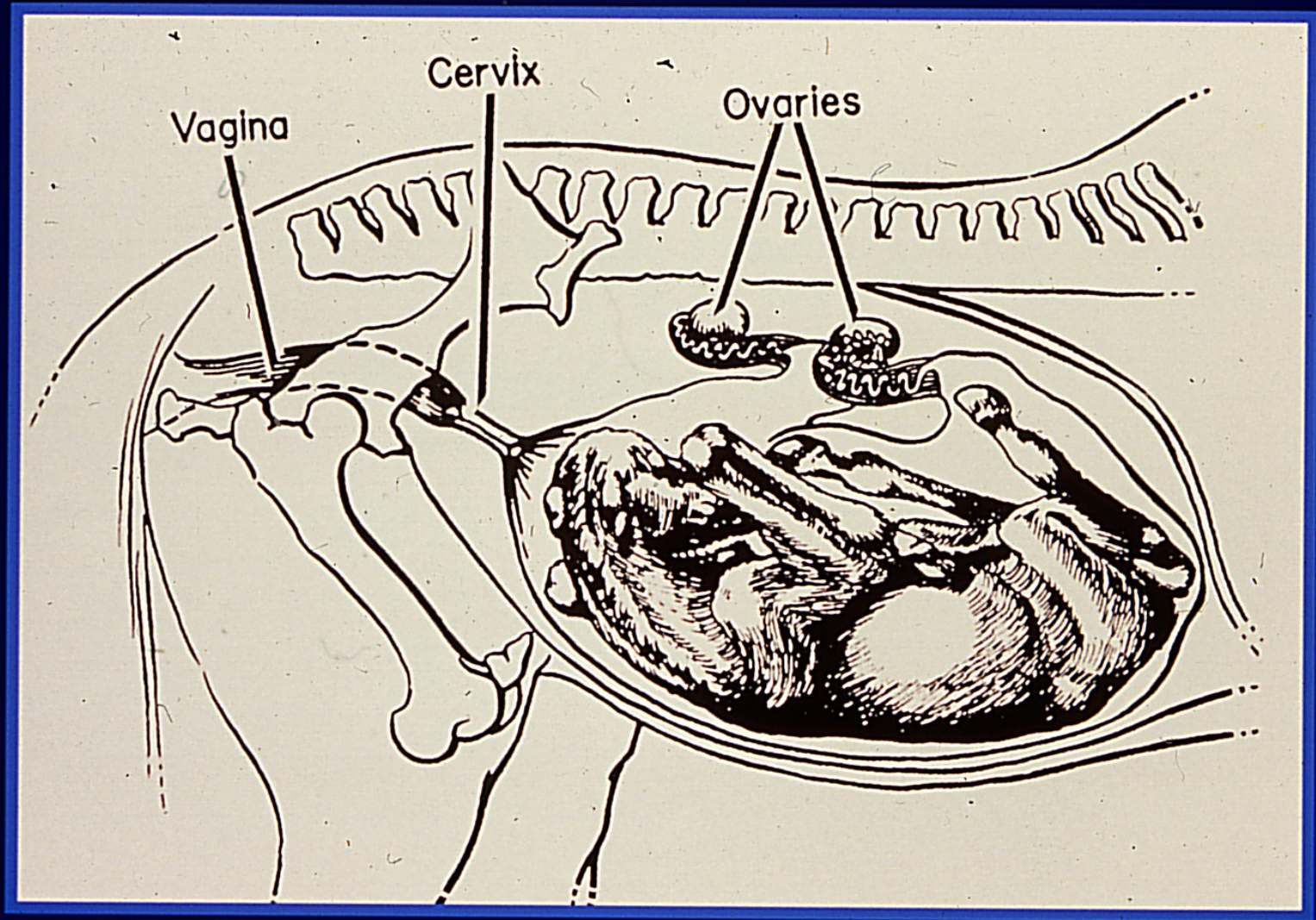
Equine Parturition

First stage	1-4 hours
Second stage	< 30 minutes
Third stage	< 3 hours

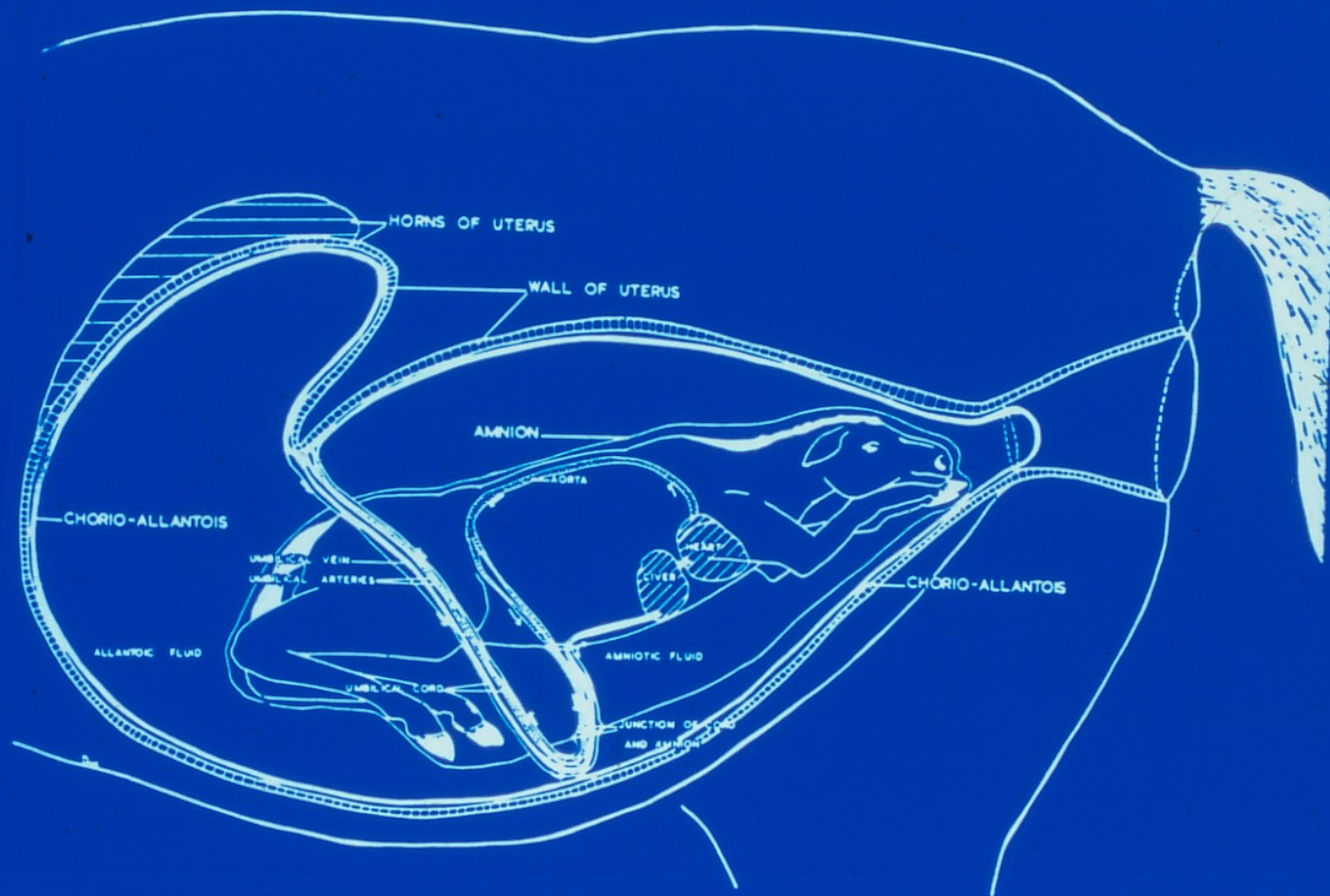
Stage I

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





from Rooney, 1977



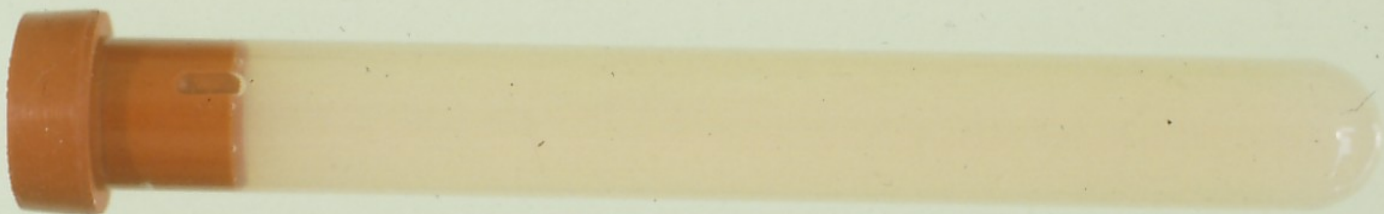




Stage II

- 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





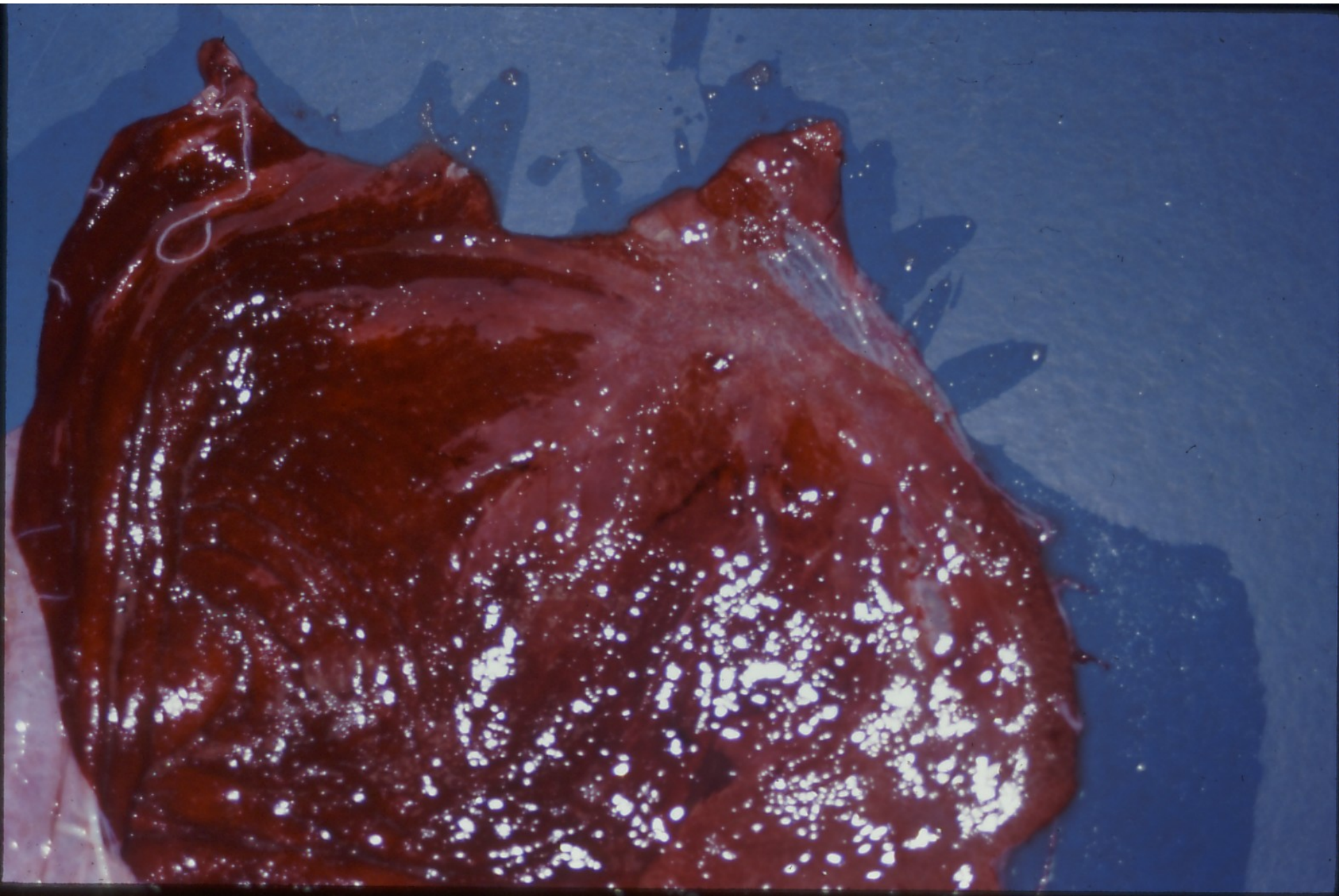


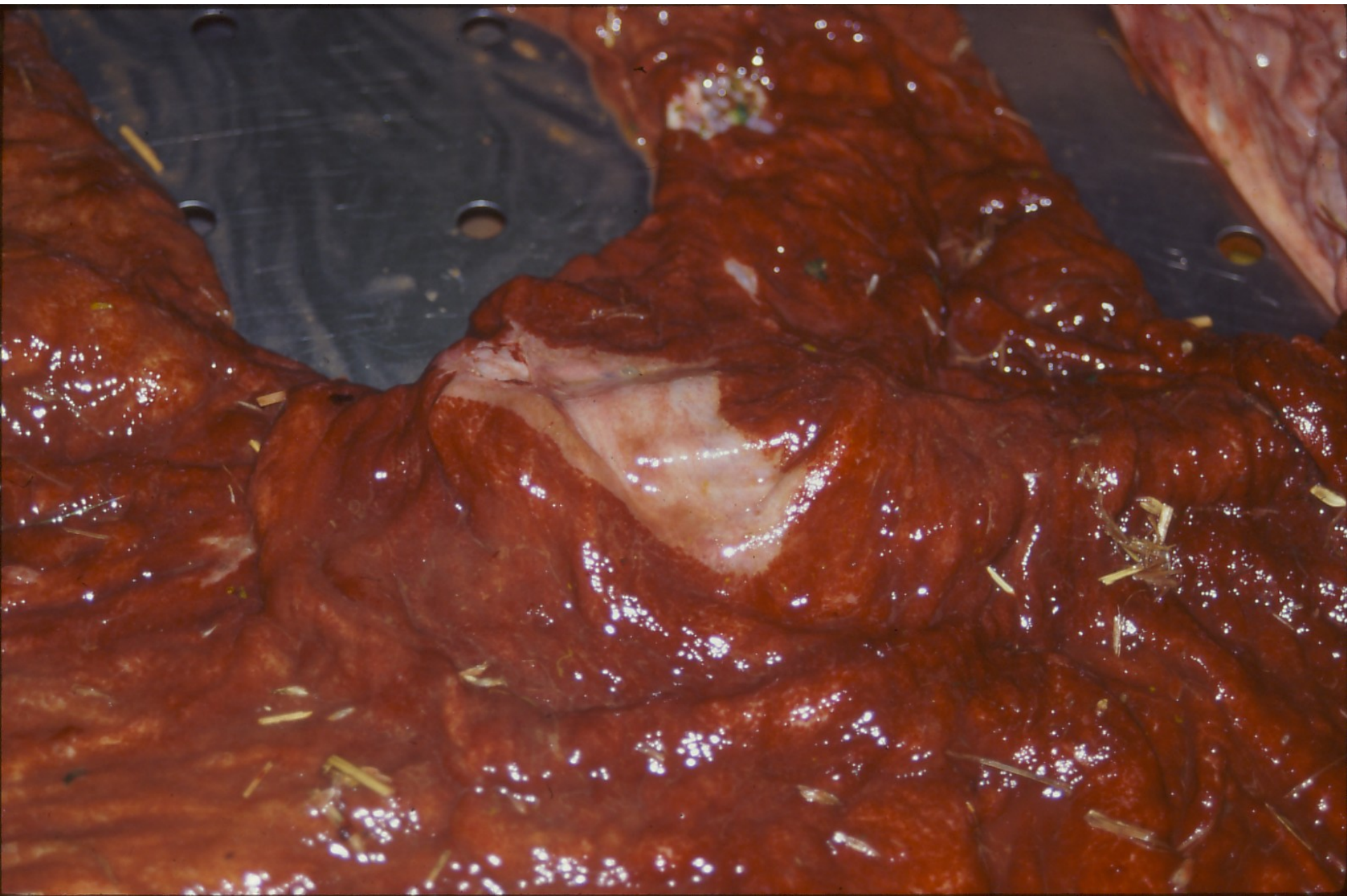


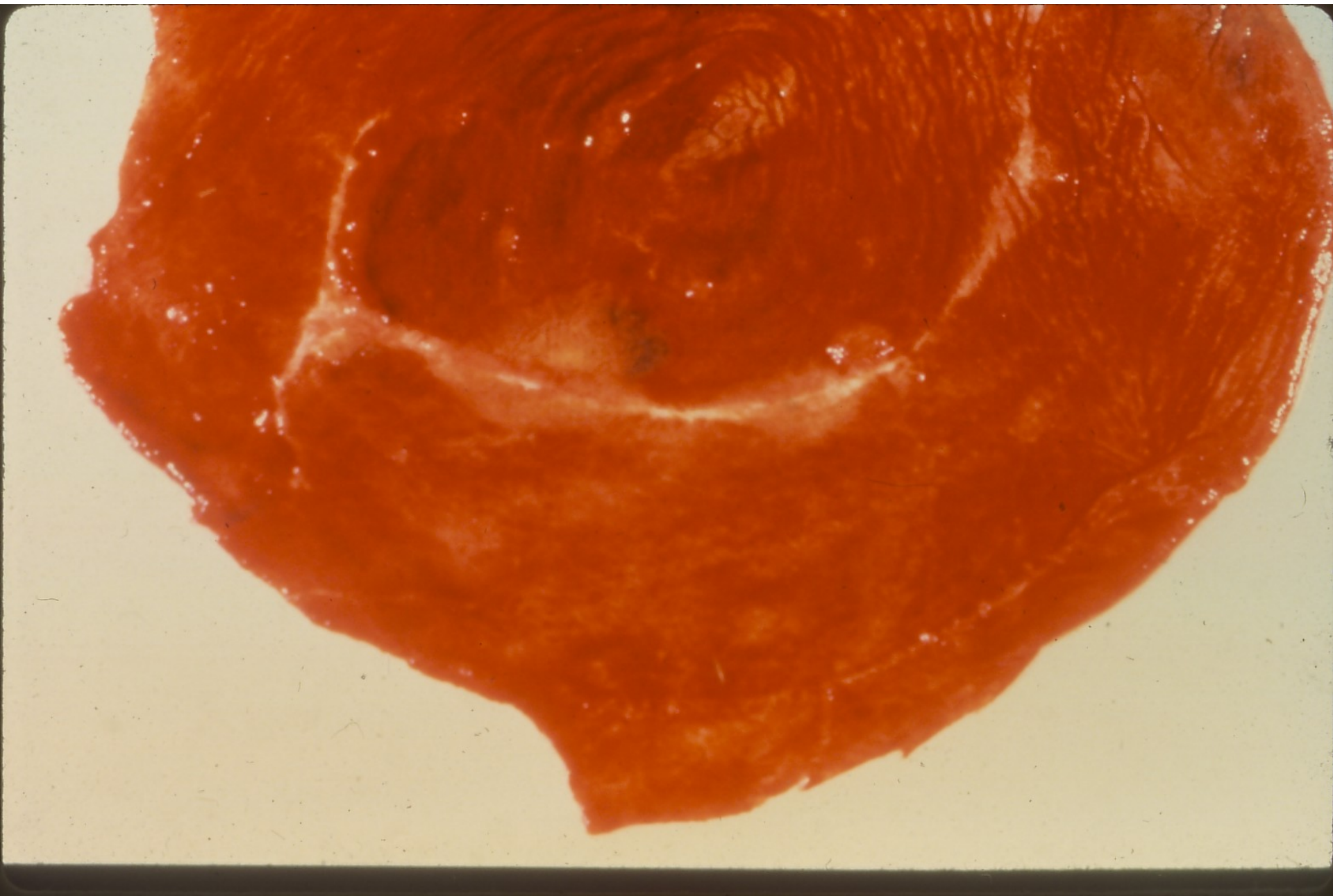


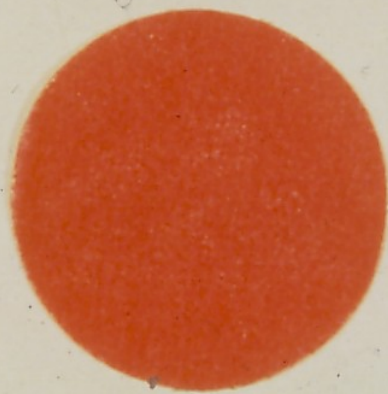
Avillous Chorionic Areas

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



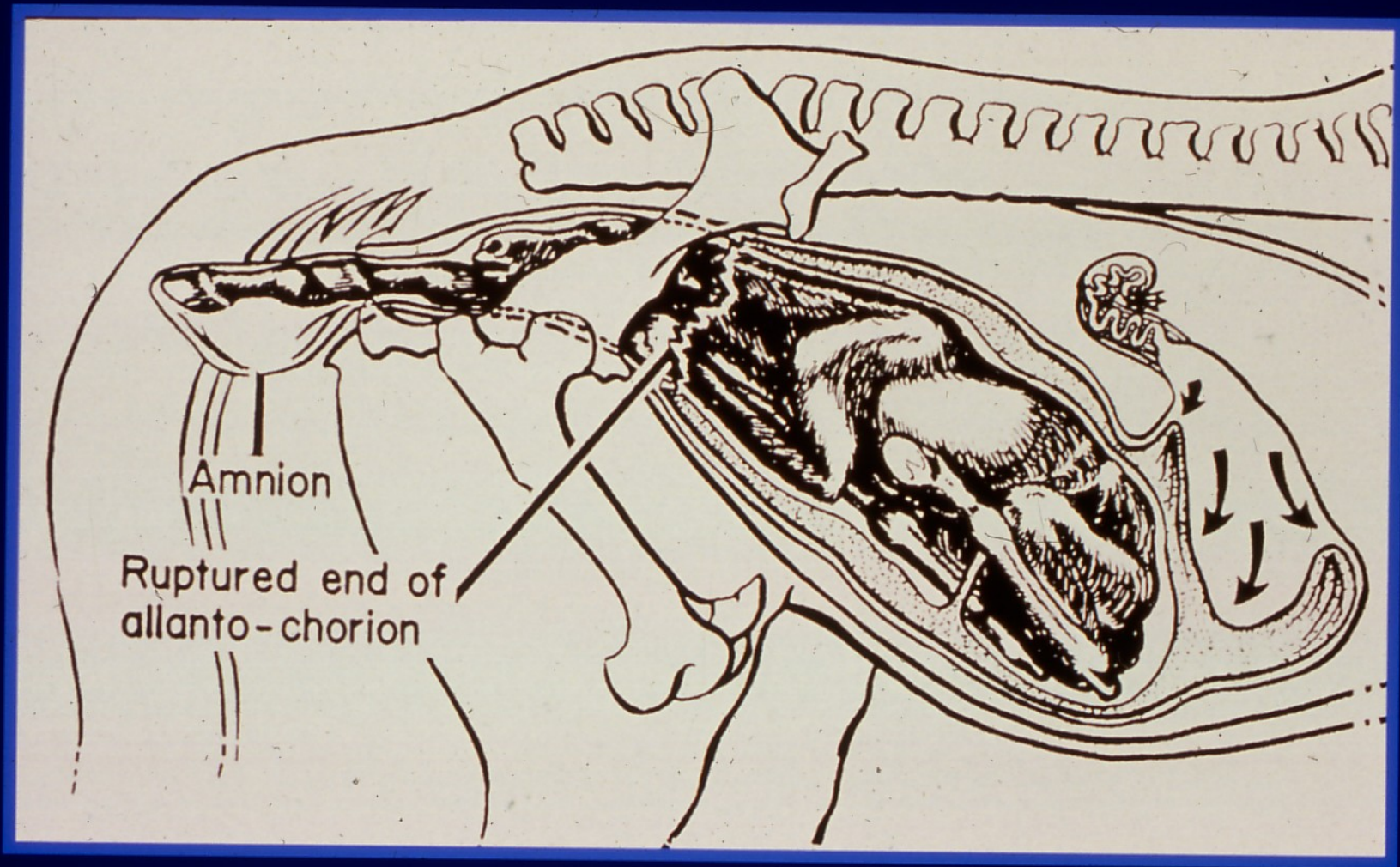








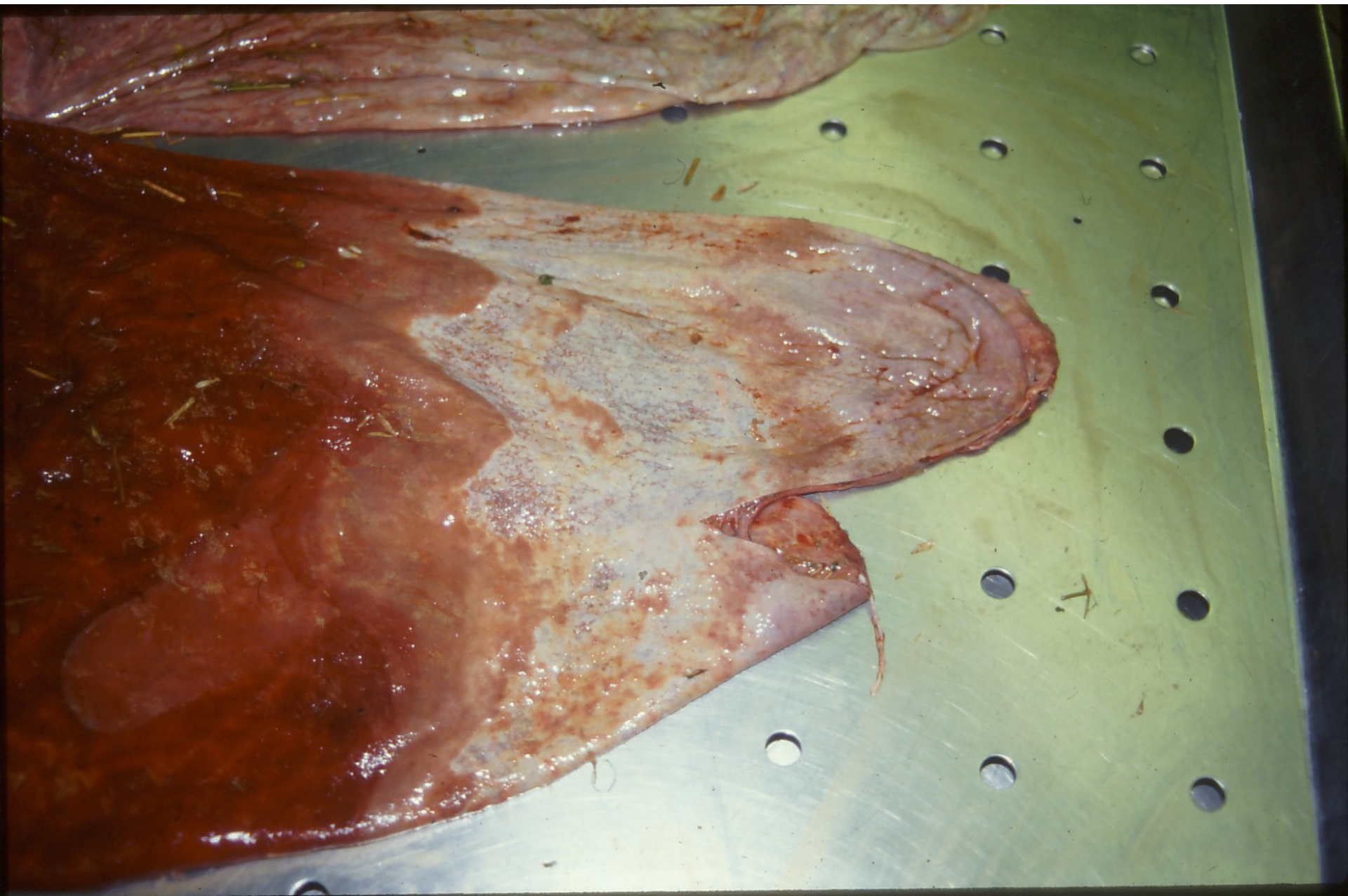




from Rooney, 1977

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>



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