

Fungal diseases causing abortion

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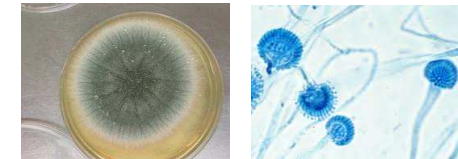
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Mycotic abortion

Cause



Mortierella wolfii,



Aspergillus fumigatus

Mycotic abortion



Mycotic abortion → at 5-7 months
Sporadic → (0.5 and 16.0%)

Symptoms

Abortion: from 5-7 months of gestation and may occur from 4 months up to the end of pregnancy.

The aborted fetus:

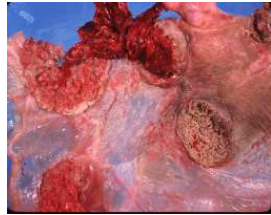
- Expelled dead with some degree of autolysis. The fetus may be normal in appearance or show skin lesions in the form of patches.
- Yellowish serous fluid in its body cavities with enlargement of liver and sometimes bronchopneumonia in the lung.



Symptoms

Fetal membrane:

- Thick edematous chorionic membrane. Leathery placentomes with necrosis.
- Complete detachment of the placentomes due to severe necrosis involves stalk.
- In some cases occur retention of placenta due to the adhesion between the placenta and uterus.



Control:

- Avoid nutrition of the animals upon food polluted with moulds and offering only good feeders.
- Keeping and storage of food away from the wet places.

Treatment

Irrigation of the infected uterus with Nystatin.

Bacterial Abortions

Bacteria	Abortion Timing	Host
<i>Brucella abortus</i>	6-9 months...Abortion or stillbirth 2 wk to 5 month after infection	Cattle, Buffalo & Human
<i>Brucella melitensis</i>	6-9 months	Sheep, Goat
<i>Brucella suis</i>	7-9 Month	Pigs
<i>Brucella canis</i>	7-9 Month	Bitches
<i>Campylobacter fetus venerealis</i>	5-8 months	Cattle, Buffalo, sheep
<i>Campylobacter fetus fetus</i>	4-9 months	Cattle, Buffalo, sheep
<i>Campylobacter jejuni</i>	4-9 months	Cattle, Buffalo, sheep
<i>Leptospira interrogans</i>	Last trimester	Cattle, Human
<i>Leptospira serovar grippotyphosa</i>	Last trimester	Cattle, Human
<i>Leptospira pomon</i>	Last trimester	Cattle, Human
<i>Leptospira hardjo</i>	Last trimester	Cattle, Human
<i>Leptospira canicola</i>	Last trimester	Cattle, Human
<i>Leptospira icterohaemorrhagiae</i>	Last trimester	Cattle, Human
<i>Arcanobacterium pyogenes</i>	Any stage	Cattle, sheep, pig
<i>Listeria monocytogenes</i>	Last trimester	Cattle & sheep
<i>Corynebacterium pyogenes</i>	.....	Cow & Buffalo
<i>Corynebacterium ulcerans</i>	.....	Cattle
<i>Salmonella abortus equi</i>	Any stage	Mare
<i>Salmonella abortus ovis</i>	Any stage	Sheep
<i>Chlamydia psittaci</i>	Last 2-3 wk of pregnancy	Ewe, sheep
<i>Mycoplasma mycoides</i>	.....	Cattle
<i>Mycobacterium bovis</i>	.....	Cattle
<i>Pseudomonas aureginosa</i>	.....	Cow & Mare
<i>Actinobacillus equali</i>	.....	Mare
<i>Escherichia coli</i>	.....	Bovine
<i>Nocardia asteroides</i>	.....	Cattle, pig
<i>Actinomyces viscosus</i>	Any stage	Cattle
<i>Ureaplasma diversum</i>	3 rd Trimester	Cattle
<i>Haemophilus somnus</i>	.....	Cattle
<i>Neospora caninum</i>	4-6 month	Cattle
<i>Yersinia enterocolitica</i>	.....	Sheep
<i>Yersinia pseudotuberculosis</i>	Ewe

Fungal Abortions

Fungi	Abortion Time	Host
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<i>Aspergillus fumigatus</i>	6-9 month	Cattle, buffalo
<i>Aspergillus flavus link</i>	6-9 month	Cattle, buffalo
<i>Aspergillus nidulans</i>	6-9 month	Cattle, buffalo
<i>Aspergillus terreus thorn</i>	6-9 month	Cattle, buffalo
<i>Absidia corymbifera</i>	4 months to term	Cattle, (may be equines)
<i>Absidia ramosa</i>	4 months to term	Cattle
<i>Rhizopus microsporus</i>	4 months to term	Cattle
<i>Rhizopus arrizus Fischer</i>	4 months to term	Cattle, (may be equines)
<i>Mucor pusillus</i>	4 months to term	Cattle, (may be equines)
<i>Motilella wolfii</i>	4 months to term	Cattle, (may be equines)
<i>Polisticus vesicolor Fr.</i>	4-6 month	Cattle