## Swine - Diseases of the Digestive System

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<td>Swine Dysentery (SD) (bloody scour, black scour, vibriionic dysentery)</td>
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<td>exogenous</td>
<td>replication</td>
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</tbody>
</table>

**Etiology**
- Adenovirus enteritis: enterics, polyuria, polydipsia, vomiting, diarrhea, weakness, anorexia, depression, dehydration.
- Rotavirus: enteritis, vomiting, dehydration, fever, anorexia, lethargy, inappetence.
- Salmonellosis: enteritis, enterotoxins, enterotoxigenic, enterotoxin.
- E. coli: enterotoxigenic, enterotoxin.
- C. perfringens: enterotoxigenic, enterotoxin.
- Isospora suis: enterotoxigenic, enterotoxin.

**Transmitter**
- Adenovirus: nasal discharge, feces, urine.
- Rotavirus: feces, saliva, vomitus.
- Salmonellosis: feces, saliva, vomitus.
- E. coli: feces, saliva, vomitus.
- C. perfringens: feces, saliva, vomitus.
- Isospora suis: feces, saliva, vomitus.

**Pathogenesis**
- Adenovirus: replication in enterocytes, diarrheal fluid.
- Rotavirus: replication in enterocytes, diarrheal fluid.
- Salmonellosis: replication in enterocytes, diarrheal fluid.
- E. coli: replication in enterocytes, diarrheal fluid.
- C. perfringens: replication in enterocytes, diarrheal fluid.
- Isospora suis: replication in enterocytes, diarrheal fluid.

**Transmission**
- Adenovirus: by respiratory droplets, feces-oral route.
- Rotavirus: by feces-oral route, person-to-person contact.
- Salmonellosis: by feces-oral route, person-to-person contact.
- E. coli: by feces-oral route, person-to-person contact.
- C. perfringens: by feces-oral route, person-to-person contact.
- Isospora suis: by feces-oral route, person-to-person contact.

**Signs**
- Adenovirus: anorexia, depression, diarrhea, dehydration.
- Rotavirus: anorexia, depression, diarrhea, dehydration.
- Salmonellosis: anorexia, depression, diarrhea, dehydration.
- E. coli: anorexia, depression, diarrhea, dehydration.
- C. perfringens: anorexia, depression, diarrhea, dehydration.
- Isospora suis: anorexia, depression, diarrhea, dehydration.

**Treatment**
- Adenovirus: antimicrobial therapy, supportive care.
- Rotavirus: antimicrobial therapy, supportive care.
- Salmonellosis: antimicrobial therapy, supportive care.
- E. coli: antimicrobial therapy, supportive care.
- C. perfringens: antimicrobial therapy, supportive care.
- Isospora suis: antimicrobial therapy, supportive care.

**Prevention & Control**
- Adenovirus: hygiene, vaccination, isolation.
- Rotavirus: hygiene, vaccination, isolation.
- Salmonellosis: hygiene, vaccination, isolation.
- E. coli: hygiene, vaccination, isolation.
- C. perfringens: hygiene, vaccination, isolation.
- Isospora suis: hygiene, vaccination, isolation.