POSSIBLE ZOONOSES OF HORSES

Wearing the recommended personal protective equipment will make the transmission of diseases less likely.

PATHOGEN	TRANSMISSION	ANIMAL DISEASE	HUMAN DISEASE
Leptospirosis	exposure to the urine of infected animal	recurrent uveitis(moon blindness), fever, abortions, septicemia	 headache, myalgia, conjunctivitis, hepatomegaly, renal insufficiency, jaundice (<i>L. icterohemorrhagiae</i>) gastrointestinal dyscrasias, diarrhea, nausea, vomiting
Salmonellosis (Salmonella typhimurium)	fecal/oral	Diarrhea, abortion, death	Fever, vomiting, diarrhea, dehydration, abdominal cramping
Streptococcosis	Wound contaminationdirect contact (person-to-person, animal-to-person)	"Strangles" in horses (<i>S. equi</i> subsp. Zooepidemicus)	Severe respiratory infections, meningitis
Rabies	Bite or exposure of saliva from infected animal	Colic, lameness, neurologic signs, depression or aggression	Neurologic signs, coma, death
Anthrax	 Inhalation Skin puncture Direct contact with hide, blood or tissues from an infected animal Biting flies 	High fever, hemorrhages, colic, death in 2-4 days	 Pulmonary form: flu-like symptoms (often fatal) Gastrointestinal form: bloody vomit and diarrhea (25-50% fatal w/o tx) Skin form: boil-like lesions
Eastern Equine Encephalitis (EEE- Alphavirus)	mosquito vectorbirds	biphasic fever, CNS signs, death	high mortality (30% of clinical cases), diarrhea, fever, CNS signs, delirium, coma, death
Venezuelan Equine Encephalitis (VEE) Western Equine Encephalitis (WEE)	mosquito vector	pyrexia, stupor, lethargyCNS signs	fever, encephalitis, flu-like symptoms
Equine Encephalitides Family Flaviviridae West Nile Virus	mosquito vector	 epidemic in horses asymptomatic or neurologic signs (ataxia), altered behavior, paralysis, convulsions, death 	asymptomatic, or fever, headache, skin rash, disorientation, tremor, convulsions, paralysis

Tetanus (Clostridium tetani)	 wound infection by feces or fomites 	muscle stiffness, spasms, sweating, prolapse of third eyelid,collapse, convulsions,	 tonic spasms of jaw, neck rigid abdominal muscles, retention of urine, constipation
		death	

References

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