



## Clinical signs of the disease in poultry are:

- Increased mortality,
- Inappetence,
- Depression,
- Head touching the ground,
- Reduction in water intake,
- Ruffled feathers,
- Fever,
- Reduced egg production,
- Soft-shelled eggs,
- Cyanosis,
- Oedema or other signs on wattles,
- Profuse diarrhea,
- Lacrimation,
- Hemorrhages on the skin,
- Neurological signs,
- Respiratory signs.



## In wild birds, the following clinical signs can be observed:

- Anorexia,
- Extreme lethargy,
- Dark green diarrhea,
- Respiratory distress and/or neurological signs

## HOW CAN I PREVENT THE DISEASE FROM AFFECTING MY PREMISES?



**Prevent** contact of poultry with wild birds.



**Do not keep** the premises elements that may attract wild birds.



**Protect** the storage of feed from wild birds and rodents and remove any feed spill regularly.



**Provide** tap water or any other secure source of water.



**Protect** the storage for bedding from wild birds and rodents.



**Maintain** strict control over access to flocks by vehicles, people and equipment.



**Ensure** the sanitation of property, poultry houses, equipment, means of transport clothing and footwear.



**Avoid** the introduction of birds of unknown disease status into the flock.



**Isolate** the newly introduced birds.



**Ensure** appropriate disposal of manure, litter and dead poultry.



**Clean and disinfect** the vehicles each time they enter the premises.



**Train** the staff on biosecurity measures for preventing AI.



**If the disease is suspected in domestic or wild animals immediately notify the 'veterinary service' in your region or place.**

# HIGHLY PATHOGENIC AVIAN INFLUENZA (HPAI)



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## WHAT IS HIGHLY PATHOGENIC AVIAN INFLUENZA (HPAI)?

- AI is a **highly contagious** viral disease that affects both domestic and wild birds.
- AI is occurring in **two forms** LPAI and HPAI:
  - Low pathogenic AI (LPAI) that typically causes little or no clinical signs in birds.
  - Highly pathogenic AI (HPAI) that can cause severe clinical signs and possible high mortality rates in birds.
- Some strains of AI are **zoonotic\***. Transmission to humans can occur in close direct contact with an infected bird.
- The disease can have a strong **negative impact** on animal health, public health and the economy of the country.
- The disease can cause **high mortality**.
- The confirmation of the disease can **disturb the trade** of the country and even **disturb travel tourism** in affected areas.

*\*Zoonotic means any disease which is naturally transmissible directly or indirectly between animals and humans.*

## HOW IS IT TRANSMITTED?



**Direct contact** with infected domestic or wild birds.



The virus can **live** for a long time in the environment and can also be spread by **objects or fomites**.



The virus is **shed** in the feces and respiratory secretion.



The incidence of infection appears to be **seasonal**, with the highest isolation rate being in juvenile birds in the **fall** of the year.



The migratory birds play an important role in the **transmission** of the virus.



Resting and nesting areas of migratory birds are of **higher risk**.

**INCUBATION PERIOD**  
From a few days to 2 weeks

## CLINICAL SIGNS



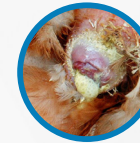
**Hemorrhage on the skin and swollen shanks**



**A semi-comatose state**



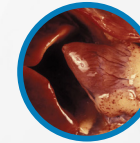
**Lesion on the respiratory tract**



**Intensive diarrhea**



**Congested & edematous comb and wattles**



**Epicardial petechiae**

## HOW CAN I RECOGNIZE THE DISEASE?

- **Reduction** of the intake of water and feed by 20%, within 24 hours.
- **Reduction** of the eggs production by 5% in two consecutive days.
- **Increased** mortality by 3% in three consecutive days.