Algorithm for clinical professionals

Initial assessment by clinician of patient in which avian influenza is suspected

Assess the clinical and epidemiological link (ECDC surveillance case definition [1])

1. Clinical history: Is the patient presenting with? Acute onset of fever (temperature >38°C) with signs and symptoms of an acute respiratory infection
2. Epidemiological link: Within 7 days of onset of symptoms, has the patient had any of the following exposures?
   a. Human contact: Been in close contact (within one metre) of a person reported as probable or confirmed case of influenza A/H5N1?
   b. Laboratory contact: Worked in a laboratory where there is potential exposure to influenza A/H5N1?
   c. Contact with animal: Been in close contact with a confirmed H5N1 infected animal other than poultry or wild birds (e.g. cat or pig)?
   d. Contact with poultry or wild birds: Reside in or have visited an area where influenza A/H5N1 is currently suspected or confirmed as reported to the European Commission (SANCO) by the Animal Disease Notification System (ADNS), available at http://ec.europa.eu/food/animal/diseases/adns/index_en.htm# AND at least one of the following two: Having been in close contact with sick or dead domestic poultry or wild birds in the affected area? OR Having been in a home or a farm where sick or dead domestic poultry have been reported in the previous six weeks in the affected area?

Admit patient to isolation ward

• Treat patient according to clinical judgment
• Monitor and reassess
• Notify public health
• Add to line list

Important notes:
- As soon as the patient mentions a febrile respiratory illness with an above exposure
  • Staff to wear mask (surgical), gown and gloves
  • Patient to wear mask (surgical) and to be in side room

Clinical history not present and Epidemiological link present (as above)

Avian influenza exposed person

5. Avian influenza exposed person investigation and monitoring

1. Notification of persons under investigation for avian influenza

Line list 1. Persons under investigation for avian influenza notified

Public Health

2. Avian influenza laboratory request

Laboratory

6. Avian influenza antiviral side effects monitoring

5. Avian influenza exposed person investigation and monitoring

Clinical history present and Epidemiological link present (as above)

Avian influenza possible case

Admit patient to isolation ward

• Clinical history, examination and treatment
  Think of other differential diagnosis
  Collect samples for AI and other tests as per clinical history (treat samples as “high risk”) (Form 2. Avian influenza laboratory request)
  Start treatment with antivirals (after samples taken) and other treatment as clinically indicated
  Complete a detailed clinical history (Avian influenza case clinical report)

• Start protective and isolation measures (infection control)
  Staff to wear PPE FFP3, gown, gloves and goggles
  Patient to be in strict respiratory isolation preferably in negative pressure room

• Inform / notify (Form 1. Notification of persons under investigation for avian influenza)
  Public Health
  Hospital Infection Control / Occupational Health

• Add to hospital line listing for management purpose
  Line list 1. Persons under investigation for avian influenza notified

Public Health

2. Avian influenza laboratory request

Avian influenza case clinical report