

Informe de seguimiento nº: 2

Referencia del informe: , OIE Ref: 5169, Fecha del informe: 27/10/2005, País: Croacia

Resumen del informe

Enfermedad	Influenza aviar altamente patógena	Tipo de animal	Terrestres
Agente etiológico	Highly pathogenic avian influenza virus	Serotipo(s)	H5N1
¿Signos clínicos?	Si	Motivo	Aparición por primera vez de una enfermedad de la Lista de la OIE
Fecha de la confirmación del episodio	21/10/2005	Fecha del inicio del episodio	19/10/2005
Fecha del informe	27/10/2005	Diagnóstico	Pruebas de diagnóstico de laboratorio avanzadas (ej. virología, microscopía electrónica, biología molecular e inmunología)
Número de focos notificados	Enviado= 9, Borrador= 0	Nombre de quien envía el informe	Mr Mate Brstilo
Dirección	Ulica grada Vukovara 78 ZAGREB	Posición	Chief Veterinary Officer
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Foco (otro informe - enviado)

county	municipality	village	Tipo de Unidad Epidemiológica	Localización	Latitud	Longitud	Seguir	Fin
SPLITSKO-DALMATINSKA	Ciovo		Pueblo	Slatina	43,49	16,32	15/02/2006	27/10/2006
Especies	Unidades de medida	Susceptibles	Casos	Muertos	Destruídos	Sacrificados		
Especies Silvestres	Animales	...	1	1	0	0		
Población afectada								
Avian influenza virus type H5N1 was isolated from organs of a dead swan found at Slatina on the island of Ciovo. Nucleotide sequencing at the cleavage site of the haemagglutinin (HA) of the H5N1 avian influenza virus isolate revealed the multiple basic amino acid sequence 'PQGERRRKRGLF', which is consistent with highly pathogenic avian influenza.								

Foco (otro informe - enviado)

county	municipality	village	Tipo de Unidad Epidemiológica	Localización	Latitud	Longitud	Seguir	Fin
OSIJECKO-BARANJSKA	Nasice		Pueblo	Ribnjak 1905	45,572222	18,380833	03/01/2006	27/10/2006
Especies	Unidades de medida	Susceptibles	Casos	Muertos	Destruídos	Sacrificados		
Especies Silvestres	Animales	265	...	0	4	0		
Población afectada								
During regular monitoring activities conducted at 'Ribnjak 1905' fish pond, four swans in a flock of around 265 swans were shot for diagnostic purposes; samples were taken and sent to the Poultry Centre of the Croatian Veterinary Institute in Zagreb. Laboratory testing revealed that two samples were positive for avian influenza virus. All samples were found to be negative on virus isolation in chicken embryos.								
In the same location, 26 other birds (wild ducks) were shot for diagnostic purposes. Samples from these 26 birds were tested at the Poultry Centre of the Croatian Veterinary Institute in Zagreb and were all found to be negative for avian influenza.								

Foco (otro informe - enviado)

county	municipality	village	Tipo de Unidad Epidemiológica	Localización	Latitud	Longitud	Seguir	Fin
VIROVITICKO-PODRAVSKA	Zdenci		Pueblo	Grudnjak	45,646388	18,183888	19/11/2005	27/10/2006
Especies	Unidades de medida	Susceptibles	Casos	Muertos	Destruídos	Sacrificados		
Especies Silvestres	Animales	300	1	0	...	0		

Población afectada

During regular monitoring activities conducted at 'Grudnjak' fish pond, one swan in a flock of around 280 swans showed clinical signs of avian influenza. The sick swan and two apparently healthy swans from the flock were shot for diagnostic purposes; samples were taken and sent to the Poultry Centre of the Croatian Veterinary Institute in Zagreb. Laboratory testing revealed that the samples taken from the swan that had shown clinical signs were positive for avian influenza virus subtype H5N1 (PQGERRRKRGLF). The samples taken from the other two swans were found to be negative for avian influenza. The corpses of all three swans were destroyed.

In the same location, 13 other birds (coots, grebes and wild ducks) were shot for diagnostic purposes. Samples from these 13 birds were tested at the Poultry Centre of the Croatian Veterinary Institute in Zagreb and were all found to be negative for avian influenza.

Foco (otro informe - enviado)

county	municipality	village	Tipo de Unidad Epidemiológica	Localización	Latitud	Longitud	Seguir	Fin
GRAD ZAGREB	Novi Zagreb		No aplicable	Novi Zagreb	45,81	15,97	28/03/2006	27/10/2006
Especies	Unidades de medida	Susceptibles	Casos	Muertos	Destruídos	Sacrificados		
Especies Silvestres	Animales	...	1	1	0	0		

Población afectada

Samples were taken from a dead swan found at the construction site of the new University Hospital, near the river Sava, and sent to the Poultry Centre of the Croatian Veterinary Institute in Zagreb for analysis. Laboratory testing revealed that samples were positive for HPAI virus subtype H5N1.

Foco (otro informe - enviado)

county	municipality	village	Tipo de Unidad Epidemiológica	Localización	Latitud	Longitud	Seguir	Fin
OSIJECKO-BARANJSKA	Draz		No aplicable	Draz	45,83	18,79	03/03/2006	27/10/2006
Especies	Unidades de medida	Susceptibles	Casos	Muertos	Destruídos	Sacrificados		
Especies Silvestres	Animales	...	1	1		

Población afectada

Cloacal and tracheal swabs were taken from a dead swan found at Draz (a tributary of the river Danube) and tested positive for HPAI virus subtype H5N1.

Foco (otro informe - enviado)

county	municipality	village	Tipo de Unidad Epidemiológica	Localización	Latitud	Longitud	Seguir	Fin
SPLITSKO-DALMATINSKA	Trogir		No aplicable	Pantana	43,51	16,24	03/03/2006	27/10/2006
Especies	Unidades de medida	Susceptibles	Casos	Muertos	Destruídos	Sacrificados		
Especies Silvestres	Animales	74	30	0		

Población afectada

During the regular surveillance from 28 February 2006 to 3 March 2006 at the same location, 74 wild birds of different species (e.g. gulls, shorebirds) were caught and cloacal swabs were taken; 30 black-headed gulls (*Larus ridibundus*) tested positive on HPAI virus subtype H5N1.

Foco (otro informe - enviado)

county	municipality	village	Tipo de Unidad Epidemiológica	Localización	Latitud	Longitud	Seguir	Fin
SPLITSKO-DALMATINSKA	Trogir		No aplicable	Pantana	43,51	16,24	21/02/2006	27/10/2006
Especies	Unidades de medida	Susceptibles	Casos	Muertos	Destruídos	Sacrificados		
Especies Silvestres	Animales	...	1	1		

Población afectada	Avian influenza virus type H5N1 was isolated from organs of a dead swan found at Pantana.
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Foco (otro informe - enviado)

county	municipality	village	Tipo de Unidad Epidemiológica	Localización	Latitud	Longitud	Seguir	Fin
OSIJECKO-BARANJSKA	Nasice		Pueblo	Ribnjak 1905	45,49	18,08	21/10/2005	27/10/2006
Especies	Unidades de medida	Susceptibles	Casos	Muertos	Destruídos	Sacrificados		
Especies Silvestres	Animales	244	...	15	...	0		

Población afectada

Fifteen swans were found dead between 22 and 24 October 2005 on the fish farm 'Ribnjak 1905', in Nasice municipality. On 22 October, two dead swans were sent to the Poultry Centre of the Croatian Veterinary Institute. On 24 October they were found to be positive for avian influenza virus subtype H5.

On 23 October, in the same location, cloacal swabs were taken from 7 additional dead swans and from 4 hunted wild birds (3 shorebirds and 1 cormorant). Laboratory testing of these samples is on-going.

Foco (otro informe - enviado)

county	municipality	village	Tipo de Unidad Epidemiológica	Localización	Latitud	Longitud	Seguir	Fin
VIROVITICKO-PODRAVSKA	Zdenci		Pueblo	Grudnjak	45,57	17,94	19/10/2005	27/10/2006
Especies	Unidades de medida	Susceptibles	Casos	Muertos	Destruídos	Sacrificados		
Especies Silvestres	Animales	1500	15	15	0	0		

Población afectada

About 1,500 swans arrived on 19 October 2005 at the location of the fresh water fish farm 'Grudnjak' in Zdenci municipality. Fifteen swans died but only 6 of them were available for laboratory testing.

The bird deaths were notified by a farm worker to the veterinary inspector of the county. Organ samples were taken and submitted on 19 October to the Poultry Centre of the Croatian Veterinary Institute. Laboratory procedures started as soon as the samples arrived at the laboratory. On the afternoon of 21 October, avian influenza virus subtype H5 was isolated from the samples.

Resumen de focos: Número total de focos = 9 (Enviado)

Especies	Susceptibles	Casos	Muertos	Destruídos	Sacrificados
Especies Silvestres	2383	50	34	4	0

Epidemiología

Otros detalles epidemiológicos / comentarios	
Updated information about the examination of samples taken from dead swans on the territory of Zdenci municipality	
Extract from the preliminary results report from VLA Weybridge (26 October 2005): "Conventional amino acid sequencing at the cleavage site of the haemagglutinin (HA) has revealed multi basic amino acid sequences of 'PQGERRRKRGLF' which is consistent with highly pathogenic avian influenza. Molecular phylogeny based on a short fragment (300 base pairs) of HA1 indicates that the HA gene of all the four samples has a 99.7% identity with A/Great Black Headed Gull/Qinqhai/2/05, 99.3% identity with the Turkish virus and 99.1% identity with the Romanian virus".	
Fuente de infección	• Seasonal migration of wild birds - swans

Medidas de control

Implementada	Para ser implementada
<ul style="list-style-type: none"> Restricción de los movimientos en el interior del país Tamizaje 	<ul style="list-style-type: none"> Sacrificio sanitario Control de animales silvestres reservorios de agentes patógenos

- Desinfección de áreas infectadas
- Cuarentena
- Zonificación

Vacunación prohibida

Si

Animales tratados

No

País / Zona

País o zona

todo el país

Resultados de las pruebas diagnósticas

Tipo de laboratorio	Nombre del laboratorio	Especies	Tipo de prueba	Fecha en que los resultados han sido entregados	Resultados
Laboratorio de referencia mundial	VLA Weybridge (United Kingdom)	Especies Silvestres	reverse transcription – polymerase chain reaction (RT-PCR)	26/10/2005	Positivo
Laboratorio nacional	Poultry Centre of the Croatian Veterinary Institute (national reference laboratory for diseases of poultry)	Especies Silvestres	haemagglutination inhibition test (HIT)	21/10/2005	Positivo
Laboratorio nacional	Poultry Centre of the Croatian Veterinary Institute (national reference laboratory for diseases of poultry)	Especies Silvestres	virus isolation	21/10/2005	Positivo

Informes futuros

¿Qué otros informes serán enviados a la OIE en relación con este acontecimiento? El episodio ha sido resuelto. Ningún otro informe será enviado

Mapa de focos

