Effects of bivalent bluetongue serotypes 2 and 9 vaccine on reproductive performance of cattle: a case study in Calabria, Italy

Following the occurrence of bluetongue (BT) in Italy in the summer and autumn of 2000 ...

Lucifora G., Rossi P., Calisti P., Giovannini A.
2004
_Vet Ital_ 40(4), 654-656

Opinioni sulla vaccinazione obbligatoria

L'Italia ha ideato e realizzato un sistema di sorveglianza epidemiologica ...

Caporale V.
2008
_La Settimana Veterinaria_, 603, Filiere Dossier n. 361, III-IV

Vaccinazione sperimentale di ovini con vaccino vivo attenuato per Bluetongue: studio degli effetti sulla lattazione

Experimental vaccination of sheep using a Bluetongue attenuated live vaccine: a study of the effects on lactation

L'attivazione in Italia del piano di vaccinazione di massa contro la febbre catarrale degli ovini (Bluetongue) ha stimolato l'interesse sulle possibili ripercussioni dell'intervento vaccinale sulla produzione lattea ...

In Italy, the launch of a mass vaccination plan against bluetongue in sheep has raised interest as to the possible consequences of vaccination on milk production ...

2003
_Vet Ital_ 39(48), 5-10

Risultati di un programma di monitoraggio sierologico su un allevamento di tacchini da riproduzione

Results of a serologic monitoring programme on a turkey breeder flock

Gli Autori riportano i risultati di un programma di monitoraggio sierologico su un allevamento di tacchini da riproduzione ...

The results of a serologic monitoring programme in a turkey breeder flock are reported ...

Capua I., Norci C., Casaccia C., Weiss C.
Laboratory tests for evaluating the level of attenuation of bluetongue virus

This study assessed the consistency of the bovine foetal aorta endothelial (BFA) cell line and newborn mice for evaluating the attenuation level of BTV4, BTV9 and BTV16 Italian field isolates...

*J Virol Methods, 153*, 263-265

Vaccination in the control strategy of Bluetongue in Italy

The incursion of bluetongue (BT) in Italy, in August 2000, caused heavy economic losses, partly due to the direct effect of the disease on the animals, but mostly due to indirect losses due to ruminant movement restrictions conducive to heavy losses to the cattle and sheep industry.

**Caporale V.**, Giovannini A., Patta C., Calistri P., Nannini D., Santucci U. 2004

Effects of vaccination against bluetongue on milk production and quality in cattle vaccinated with live-attenuated monovalent type 2 vaccine

The first epidemic of bluetongue (BT) to affect the three regions of Sardinia, Sicily and Calabria (Italy) ...


Bluetongue vaccination in Europe: the Italian experience

The incursion of bluetongue (BT) into Italy in August 2000 caused heavy economic losses, partly due to the disease itself, but mostly because of disruption caused to the national animal trade structure ...

**Patta C., Giovannini A.,** Rolesu S., Nannini D., Savini G., Calistri P., Santucci U., Caporale V.
An inactivated vaccine for the control of bluetongue virus serotype 1 infection

In October 2006, Bluetongue virus serotype 1 (BTV-1) was isolated in Sardinia (Italy) ...

**Mercante M.T., Ronchi G.F., Ulisse S., Peccio A., Teodori L., Savini G., Pini A.**
2007

Production of a live attenuated vaccine for the control of contagious ecthyma in sheep

The Orf virus is the agent of contagious ecthyma. It belongs to the Poxviridae family, Parapoxvirus genus ...

**Mercante M.T., Lelli R., Ronchi G.F., Pini A., Caporale V.**
2007

First evidence of bluetongue virus serotype 16 in Croatia

This study described the first report of BTV-16 in Croatia. Serological evidence occurred in cattle at the end of September and continued during October and November 2004. All positive animals were in the Dubrovnik-Neretva County, a region located in the southernmost part of Croatia. BTV-16 infection was also detected in goats and sheep. Apart from few cases reported in Greece between 1999 and 2000, BTV-16 has never been reported in the Balkanic peninsula before.

E. Listeš, **F. Monaco**, A. Labrovi, C. Paladini, A. Leone, L. Di Gialleonardo, C. Cammá, G. Savini
2009
*Vet Microbiol, 138*, 92-97
Evidence of a reassortant event in a bluetongue virus strain in Italy

Bluetongue virus (BTV) is the prototype virus of the genus Orbivirus in the Reoviridae family.  
**Monaco F.**, Lelli R., Pinoni C., Buonavoglia C., Teodori L., Di Gialleonardo L., Savini G.  
2008  

Recombinant canarypox virus vaccine expressing genes encoding the VP2 and VP5 outer capsid proteins of bluetongue virus induces high level protection in sheep

We describe the development and preliminary characterization of a recombinant canarypox virus vectored vaccine for protective immunization of ruminants against bluetongue virus (BTV) infection ...  
2007  
Vaccine, 25(4), 672-678

Antibody response in Italian dogs vaccinated with inactivated vaccines

A two year period study on the immune response in pets following rabies vaccination was realized ...  
**Monaco F.**, Savini G., Ripani A., Franchi P.M., Lelli R.  
2007  

Studies on an inactivated vaccine against rabies virus in domestic animals

An inactivated vaccine against rabies virus was prepared from the attenuated ATCC PV-12 viral rabbit Pasteur strain ...  
**Monaco F.**, Franchi P.M., Lelli R.  
2006  
Differentiation between field and vaccine strain of bluetongue virus serotype 16

In August 2000, bluetongue virus (BTV) appeared for the first time in Sardinia and, since then, the infection spread across Sicily and into the mainland of Italy involving at the beginning serotypes 2 and 9 and then, from 2002, 4 and 16 ...

Monaco F., Cammà C., Serini S., Savini G.
2006
Vet Microbiol, 116, 45-52

Recombinant canarypox virus vaccine co-expressing genes encoding the VP2 and VP5 outer capsid proteins of bluetongue virus induces high level protection in sheep

We describe the development and preliminary characterization of a recombinant canarypox virus vectored vaccine for protective immunization of ruminants against bluetongue virus (BTV) infection ...

2006
9th International Symposium on ds-RNA Viruses. Cape Town (South Africa). October 21-26, 2006. 61

Vaccination of cattle using modified-live monovalent vaccine against bluetongue virus serotype 2: innocuity, immunogenicity and effect on pregnancy

The immunogenicity, innocuity and possible teratogenic effects of the monovalent modified-live vaccine against bluetongue (BT) virus (BTV) serotype 2, manufactured by Onderstepoort Biological Products in South Africa, was evaluated in cows.

Monaco F., Bonfini B., Zaghini M., Antonucci D., Pini A., Savini G.
2004

Field vaccination of cattle using a bivalent modified-live vaccine against bluetongue virus serotypes 2 and 9: effect on milk production

To evaluate the effect of bluetongue (BT) vaccination on milk production in cattle ...

Monaco F., De Luca N., Morelli D., Pisciella M., Palmarini S., Di Giandomenic M., Savini G.
2004
La ricerca effettuata aveva come obiettivo il monitoraggio sanitario di una troticoltura intensiva, per un periodo di circa un anno, con lo scopo di individuare la presenza di eventuali malattie batteriche e di studiarne l'andamento ...

Paolini A., Calistri P., Grispan M., Monelli L., Socco A., Prosperi S.
1998
V Convegno Nazionale Società Italiana Patologia Ittica (SIPI), 6-7 marzo, Roma. 1998

Efficacy and safety studies on an inactivated vaccine against bluetongue virus serotype 2

An inactivated vaccine was produced from an Italian field isolate of bluetongue virus serotype 2 (BTV-2) with a titre of $10^{7.8}$ TCID$_{50}$/ml.

Di Emidio B., Nicolussi P., Patta C., Ronchi G.F., Monaco F., Savini G., Ciarelli A., Caporale V.
2004

Vaccinazione sperimentale di ovini con vaccino vivo attenuato per Bluetongue: studio degli effetti sulla lattazione

Experimental vaccination of sheep using a Bluetongue attenuated live vaccine: a study of the effects on lactation

L'attivazione in Italia del piano di vaccinazione di massa contro la febbre catarrale degli ovini (Bluetongue) ha stimolato l'interesse sulle possibili ripercussioni dell'intervento vaccinale sulla produzione lattea ...

In Italy, the launch of a mass vaccination plan against bluetongue in sheep has raised interest as to the possible consequences of vaccination on milk production ...

2003
*Vet Ital*, 39(48), 5-10

Studio di stabilità del vaccino bluetongue vivo attenuato sierotipo 2 dopo reidratazione

Stability study of bluetongue attenuated live vaccine serotype 2 after rehydration

Durante la recente campagna di vaccinazione per la bluetongue sierotipo 2 (BT2) in Italia ...

In the recent vaccination campaign against bluetongue serotype 2 (BT2) in Italy ...
Gli autori riportano i risultati dell'attenuazione e successivo utilizzo ai fini sperimentali di un ceppo di vaiolo del canarino (1496/TE) come vaccino vivo attenuato ...


**Vaccines against bluetongue in Europe**

After the incursion of bluetongue virus (BTV) into European Mediterranean countries in 1998, vaccination was used in an effort to minimize direct economic losses to animal production, reduce virus circulation and allow safe movements of animals from endemic areas ...

*Comp Immunol Microbiol Infect Dis*, **31**, 101-120

**Use of real-time RT-PCR as a rapid molecular approach for differentiation of field and vaccine strains of bluetongue virus serotypes 2 and 9**

Since 2000 severe, long-lasting epidemics of bluetongue virus (BTV) have been described in Italy, caused by BTV serotypes 2, 4, 9 and 16 ...

*Mol Cell Probes*, **22**, 38-46

**An inactivated vaccine for the control of bluetongue virus serotype 16 infection in sheep in Italy**

Because no suitable products are at the moment available to safely control the spread of BTV-16 in Europe, an inactivated vaccine was produced from the reference field isolate of bluetongue virus serotype 16 ...
Study of the safety and efficacy of a recombinant vaccine for bluetongue virus serotype 2

A total of 7 cows, 10 sheep and 10 goats were vaccinated subcutaneously with 5 ml of a recombinant vaccine consisting of synthetic virions containing the four principal proteins (VP2, VP3, VP5 and VP7) of bluetongue virus serotype 2 (BTV-2) ...

Assessment of efficacy of a bivalent btv-2 and 4 inactivated vaccine by vaccination and challenge in cattle

The purpose of the present study was to assess efficacy of an industrial inactivated BTV-2/BTV-4 vaccine ...

Effect of the modified-live vaccine against bluetongue virus serotypes 2, 4 and 16 on milk production in Sarda sheep

To evaluate the effect of bluetongue (BT) vaccination on quality and quantity of milk production in Sarda sheep, 2707 ewes from 14 different flocks were vaccinated at the second half of lactation (April-2004) using a combination of monovalent BTV-2, 4, and 16 modified live vaccine manufactured by Ondersteepport Biological Products in South Africa ...

Virological, serological and biochemical changes in cattle, sheep and goats after field vaccination with modified-live vaccine against bluetongue virus serotypes 2, 4 and 16
The presence of bluetongue virus (BTV), the antibody response and the biochemical changes in cattle, sheep and goats following vaccination with a combination of BTV-2, 4 and 16 monovalent modified live vaccine produced by Ondersteeport Biological Product in South Africa, were monitored under field conditions ...

9th International Symposium on ds-RNA Viruses. Cape Town (South Africa). October 21-26, 2006. 90

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**Risk factors associated with the occurrence of undesired effects in sheep and goats after field vaccination with modified-live vaccine against bluetongue virus serotypes 2, 4 and 16**

In the 2004 bluetongue (BT) Italian vaccination campaign, the combination of monovalent BTV-2, BTV-4 and BTV-16 modified live vaccines manufactured by the Onderstepoort Biological Products in South Africa, was utilised in Sardina ...

**Savini G., Cannas A., Casaccia., Di Gialleonardo L., Leone A., Patta C., Nicolussi P. 2006**
9th International Symposium on ds-RNA Viruses. Cape Town (South Africa). October 21-26, 2006. 90

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**Virological and serological responses in cattle following vaccination with modified-live vaccine against bluetongue virus serotypes 2, 4, 9 and 16**

To establish an immune-competent livestock population and reduce virus circulation, the 2004 bluetongue (BT) Italian vaccination campaign utilized the combination of monovalent BTV-2, 4, 9 and 16 modified live vaccines manufactured by the Ondersteeport Biological Products in South Africa ...

**Savini G., Conte A., Di Gennaro A., Leone A., Migliaccio P., Bonfini B., Di Ventura M., Monaco F. 2006**

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**Efficacy of a bluetongue virus serotype 16 inactivated vaccine on sheep**

An inactivated vaccine was produced from the reference field isolate of bluetongue virus serotype 16 (BTV-16, Onderstepoort Veterinary Institute, South Africa) ...

**Savini G., Ronchi G.F., Leone A., Ciarelli A., Migliaccio P., Franchi P., Mercante M.T., Pini A. 2006**
9th International Symposium on ds-RNA Viruses. Cape Town (South Africa). October 21-26, 2006. 90

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**Live modified bluetongue vaccine viruses in Sarda sheep: clinical signs, haematology and chemistry**

Clinical signs, haematology and chemistry were evaluated in 60 Sarda sheep before and after being vaccinated with three different combinations of monovalent bluetongue virus (BTV) modified-live vaccines
Differentiation of Italian field and South African vaccine strains of bluetongue virus serotype 2 using real-time PCR.

The current outbreaks of bluetongue (BT) disease in sheep in the central parts of the Mediterranean basin are being combated by extensive vaccination to control further spread of the virus and to suppress its long-term maintenance in the field ...

Orrù G., De Santis P., Solinas F., Savini G., Piras V., Caporale V.
2004
*J Virol Methods*, **122**(1), 37-43

Neutralising antibody response in cattle after vaccination with monovalent modified-live vaccine against bluetongue virus serotype 2.

The antibody response following bluetongue (BT) vaccination under both field and experimental conditions ...

Savini G., Monaco F., Calistri P., Panichi G., Ruiu A., Leone A., Caporale V.
2004

Monovalent modified-live vaccine against bluetongue virus serotype 2: immunity studies in cows

A challenge study was conducted to determine the efficacy of vaccination against bluetongue (BT) virus (BTV) serotype 2 in protecting cattle against infection ...

Savini G., Monaco F., Citarella R., Calzetta G., Panichi G., Ruiu A., Caporale V.
2004

Virological and serological response of sheep following field vaccination with bivalent modified-live vaccine against bluetongue virus serotypes 2 and 9

A group of 44 sheep was vaccinated with the bivalent modified-live vaccine against bluetongue virus (BTV) serotype 2 (BTV-2) and BTV-9 to evaluate viraemia and antibody kinetics ...
Field vaccination of sheep with bivalent modified-live vaccine against bluetongue virus serotypes 2 and 9: effect on milk production

In response to complaints of the potential side-effects of the bivalent live-modified vaccine used to control the spread of bluetongue (BT) virus (BTV) serotypes 2 and 9 in Italy ...

Serological response in cattle and sheep following infection or vaccination with bluetongue virus

Data from various experimental and field studies were compiled and analysed to evaluate the serological response in sheep and cattle against different bluetongue (BT) virus (BTV) vaccine combinations (Onderstepoort Biological Products, South Africa) ...

The First International Standard Anti-Brucella melitensis Serum (ISaBmS)

The First International Standard Anti-Brucella melitensis Serum (ISaBmS)


2011.

Rev Sci Tech OIE, 30(3): 809-819
Ricerca Finalizzata 2002: **MSRFTE0302**
La febbre catarrale degli ovini, comunemente conosciuta come Bluetongue (BT), è una malattia non contagiosa ad eziologia virale trasmessa dagli insetti appartenenti al genere *Culicoides*.
Responsabile scientifico del progetto: Dott. **Mauro Di Ventura**, IZS A&M
U.O. 1: Dott.ssa Federica Monaco, IZS A&M
U.O. 2: Dott.ssa Manuela Tittarelli, IZS A&M
U.O. 3: Dott. Vincenzo Quaranta, IZS della Puglia e Basilicata
U.O. 4: Dott.ssa Annalisa Guercio, IZS della Sicilia
U.O. 5: Dott. Gianni Panichi, ASL n. 5 Oristano
U.O. 6: Dott. Sandro Rolesu, IZS della Sardegna
U.O. 7: Dott. Armando Giovannini, IZS A&M

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Ricerca Corrente 2002: **MSRCTE0102**
La Bluetongue (BT) è un malattia virale della lista A dell'OIE, caratterizzata da lesioni vascolari responsabili di coagulopatie e diatesi emorragiche principalmente in ovini e bovini ...
Responsabile scientifico del progetto: Dott. **Federica Monaco**, IZS A&M
U.O. 1: Dott.ssa Rita Lorenzini, IZS A&M
U.O. 3: Prof.N. James MacLachlan, School of Veterinary Medicine, Pathology, Microbiology and Immunology, University of California, UC Davis
U.O. 4: Prof. Germano Orrù, Dipartimento di Scienze Odontostomatologiche, Università di Cagliari

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Ricerca Corrente 2001: **MSRCTE0101**
La febbre catarrale degli ovini, più comunemente conosciuta come bluetongue (BT), è una malattia infettiva dei ruminanti trasmessa da insetti ...
Responsabile scientifico del progetto: Dott. **Attilio Pini**, IZS A&M
U.O. 1: Dott. Giovanni Savini, IZS A&M
U.O. 2: Prof. Santino Prosperi, Facoltà di Medicina Veterinaria, Università degli Studi di Bologna
U.O. 3: Dott.ssa Annalisa Guercio, IZSSI
U.O. 4: Prof. Buonavoglia Canio, Facoltà di Medicina Veterinaria, Università degli Studi di Bari
U.O. 5: Dott.ssa Federica Monaco, IZS A&M