

Development Of Transcervical Ai In Sheep

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Development Of Transcervical Ai In

Transcervical artificial insemination, as well as any other breeding method, necessitates careful planning and thoughtful consideration. You must track your dog's ovulation cycle to identify the optimal time to schedule the procedure in order to maximize conception rates. You must also plan the sourcing of the semen well in advance.

Transcervical Artificial Insemination - tier1vet.com

The difficulty of traversing the cervix severely limits transcervical artificial insemination (TC AI) in sheep. Cervical trauma and poorly designed instruments can reduce fertility after AI. To overcome problems associated with TC AI, we developed a new TC AI catheter.

Development of a new transcervical artificial insemination ...

2.3. Transcervical AI catheter. The TC AI catheter used in this experiment was a 17.5 cm long, 17 gauge, semiflexible stainless steel tube with a 4 mm brass bulb attached to the distal end. The distal end of the catheter is passed into the uterus, and the proximal end is attached to a retroload AI gun.

Development of a new transcervical artificial insemination ...

Development of a new transcervical artificial insemination method for sheep: effects of a new transcervical artificial insemination catheter and traversing the cervix on semen quality and fertility. Wulster-Radcliffe MC(1), Lewis GS. Author information: (1)USDA, ARS, US Sheep Experiment Station, Dubois, ID 83423, USA.

Development of a new transcervical artificial insemination ...

The study of the cervical relaxation mechanism and the sheep cervix anatomy is important for the development of trans-cervical artificial insemination in sheep. The administration of an exogenous...

Development of trans-cervical artificial Insemination in ...

A transcervical technique (the Guelph System for transcervical AI) was used to inseminate 2060 ewes on 65 farms (average 31 ewes, range 5 to 107) in Ontario, Canada, from October 1990 to September 1992, using previously frozen semen.

Further development of a transcervical technique for ...

Club Development Department ... Transcervical Insemination - Transcervical insemination (TCI) is a technique that is popular because it can be used with any form of semen (fresh, fresh-chilled ...

Deciding on the Best Method of Artificial Insemination ...

Transcervical Insemination FAQ Q: What is transcervical insemination (TCI)? A: TCI is a technique in which a rigid endoscope is used to locate the cervix and pass a catheter through it for intrauterine insemination of frozen semen without the need for surgery.

Transcervical Insemination > Canine Repro Program

Usboko, Y. (1995) A study of transcervical artificial insemination in sheep. MAgSc. thesis, Massey University, Palmerston North, New Zealand. The study describes two trials on artificial insemination in Romney ewes. Trial 1 was conducted to examine the anatomical site in the reproductive tract of the

A study of transcervical artificial insemination in sheep

Endoscopic transcervical insemination (TCI) was developed as an alternative technique to the Norwegian catheter [5,6]. The technique provides visualization of the cervix, using a rigid endoscope, and passage of a plastic catheter through the cervical canal.

Endoscopic Transcervical Insemination in the Bitch

Development of trans-cervical AI in sheep Aim of the project This project proposed to undertake a preliminary investigation of the fertility aspects of the trans-cervical technique of intrauterine insemination.

Trans-cervical AI | HCC / Meat Promotion Wales

Artificial insemination (AI) is the oldest technique used in assisted reproduction, and is the technology that has done the most to improve the genetic quality of small ruminants (for review, see ...

(PDF) Artificial insemination of small ruminants — A review

Citation: Wulster-Radcliffe, M.C., Lewis, G.S. Development of a new transcervical artificial insemination method for sheep: effects of a new transcervical artificial insemination catheter and traversing the cervix on semen quality and fertility. Theriogenology. 2002.

Publication : USDA ARS

Killen and Caffery (1982) have developed a laparoscopic artificial insemination technique (LAI), and Halbert et al. (1990a) have developed the Guelph System for transcervical artificial insemination (GST-AI) to

circumvent the anatomical complexities of the ewe's cervix and provide acceptable pregnancy rates.

A COMPARISON OF TRANSCERVICAL AND LAPAROSCOPIC ...

The present invention relates to a device in the form of a probe for use in veterinary medicine for transcervical embryo collection in small-size animals. The device was developed to improve the efficiency of embryo collection in small-size animals, to increase the area of exploration of the uterus, with less movement of the probe and less risk of uterus lesions.

WO2011153603A1 - Probe for the transcervical collection of ...

Laparoscopic insemination with frozen-thawed semen is currently used for planned matings in the Sarda breeding programme. In order to find a fast and less intrusive artificial insemination (AI) method that could replace laparoscopic insemination, a field comparison of laparoscopic and transcervical techniques was carried out on 200 mature Sarda ewes.

Comparison of laparoscopic and transcervical insemination ...

Development of a new transcervical artificial insemination method for sheep: effects of a new transcervical artificial insemination catheter and traversing the cervix on semen quality and fertility. *Theriogenology* 58, 1361 - 1371.

Traversing the ovine cervix - a challenge for ...

and subsequent development of the transferred embryos is critically dependent on the intrauterine placement. It is an understatement that the sheep industry would benefit from the increases in reproductive efficiency and genetic gains offered through AI and MOET since the global demand for sheep products is rising, with the demand cur-

Open Access A Review of Advances in Artificial ...

Research on artificial insemination in Italy led to the development of an artificial vagina for dogs in 1914 and to the establishment of the "International Congress on AI and Animal Reproduction" in 1948. This congress is held every four years since (Foote, 2002). Rapid development of AI in dairy cattle occurred in the USA in the 1940s.

Artificial Insemination in Veterinary Science

development of simple nonsurgical, transcervical methods of AI and ET. These methods require a considerable amount of training to manipulate AI and ET instruments through the sheep cervix. Recent development of cervical dilation treatments for AI and ET has made the cervix less of a barrier.

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