

## **Advanced Veterinary Clinical Training: Ultrasound detection of OPA as part of the veterinary control plan on farm.**

**Friday 26th October 2018, Moredun Research Institute, Edinburgh, EH26 0PZ.**



Ovine pulmonary adenocarcinoma (OPA), also known as Jaagsiekte, is a disease of great concern in the sheep industry causing heavy losses in some flocks. OPA results from infection with the Jaagsiekte sheep retrovirus (JSRV) which is passed between sheep mainly by the respiratory route. The virus induces a lung tumour that is eventually fatal and by the time clinical signs are apparent the affected sheep may already have infected many others with the virus. Therefore there is a demand from farmers to identify OPA at pre-clinical stages.

Trans-thoracic ultrasonography is currently the best method for detection of OPA lesions in live sheep before the development of clinical signs as no reliable diagnostic blood test is available for individual sheep. As described in our paper, (Cousens & Scott, *Veterinary Record*, 2015), trans-thoracic ultrasonography can be applied to confirm a diagnosis of OPA, to screen bought-in sheep or to screen an affected flock in order to remove sheep with OPA at an early stage. We now have several years of experience in whole flock scanning and will share what we have learned in this time.

The aim of this course is to provide advanced clinical training for veterinary practitioners wishing to offer transthoracic ultrasound as a method for screening for OPA. This course will also be suitable for vets studying towards Advanced Practitioner status in Veterinary Diagnostic Imaging or Sheep Health and Production.

The main focus of the day will be to provide one-to-one practical training on scanning live sheep with or without OPA, following this up with necropsy of the sheep so that the association between the scan output and gross lesions can be confirmed. This will follow presentations covering the most up-to-date knowledge on OPA and transthoracic ultrasound scanning.

Maximum 15 participants. Cost £275 CPD approx. 7h including 4h practical training. Sandwich lunch included. There will be several ultrasound scanners available. Also, participants are invited to bring along their own ultrasound machines and may make their own recordings. We aim to provide at least 8 cases of OPA at various stages as well as negative control sheep.

A datastick will be provided for each participant with all course materials including ultrasound video recordings of ovine respiratory diseases for future reference.

Please contact Chris Cousens for more information or to enrol for this course.

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**Advanced Clinical Training: ultrasound detection of OPA**

Proposed timetable: Fri 26<sup>th</sup> Oct 2018

9:50-10:05am Tea/Coffee

10:05-10:55am Dr Chris Cousens OPA (the science, applications of whole flock scanning, preliminary results, benefit:cost for farmers)

11:00-11:50pm Dr Phil Scott Trans-thoracic ultrasound (What to look for, experience with whole flock scanning)

12:00-12:45pm Lunch

12:45-2:45pm Practical ultrasound scanning. There will be several microconvex scanners available and at least 8 cases of OPA at various stages of the disease as well as negative control sheep.

2:45-3:00pm Tea/Coffee Break

3:00-4:30pm Scanning and necropsy of some of the sheep. Review of ultrasound and necropsy findings.

4:30-5:00pm Q&A Summing up.

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Please reserve me a place on the Ultrasound Detection of OPA CPD Course on 26/10/18 £ 275.00

Title		Name	
Address			
Tel		E-mail	

**Payment must be in pounds sterling can be made either by cheque or Visa/MasterCard.**

Please make cheques payable to 'The Moredun Research Institute' and write your name on the reverse. In the case of company cheques please ensure the cheque can be easily traced to the delegate. If paying by Visa or MasterCard the agent will appear as 'The Moredun Foundation' on your statement.

Please debit my Visa/MasterCard No

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Expiry Date

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Card Security Code (the last three digits on the signature strip)

Return booking form to  
**Dr Chris Cousens**, The Moredun Research Institute, Pentlands Science Park,  
Bush Loan, Penicuik, Scotland, EH26 0PZ  
or fax completed form with credit card details to +44(0)131 445 6111