

AAVDI

Australasian Association of Veterinary Diagnostic Imaging

Jan 2006

INSIDE THIS EDITION

- *Website Watch*
- *AAVDI meeting in Perth '06*
- *President's Letter*
- *IVRA update '06*
- *EAVDI update '05.*

AAVDI Executive Committee 2004/2005

President – Graeme Allen
graeme@mail.usyd.edu.au

Vice President
Vacant

**Past President- Belinda
Hopper**
Ph: 08 9360 2436
Fx: 08 93697495
bhopper@murdoch.edu.au

Secretary - Zoë Lenard
Ph: 08 9360 2436
Z.Lenard@murdoch.edu.au

Treasurer - Robert Nicoll
Ph: 02 93513701
Fx: 02 93513771
rnicoll@bigpond.net.au

Committee:
Dayle Tyrrell
dayle@myriad.its.unimelb.edu.au

Russell Mitten
rwmitten@unimelb.edu.au

Newletter Editor
- Zoë Lenard
Z.Lenard@murdoch.edu.au

Website Watch

International Veterinary
Ultrasound Society:

<http://www.ivuss.org/>

A society for any in the veterinary profession keen to know more about ultrasound. Annual meetings held in fun overseas destinations (good for holidays too!). They have a great CASE OF THE MONTH series, too.

What's in store for AAVDI 2006?

The Peripheral Abdomen: Challenging Diseases at the Edges.

13th May 2006
Perth, Western Australia

This meeting will concentrate on some of the more usual structures in the abdomen, which can provide diagnostic dilemmas! The speakers have diverse experience, and some new faces will present, including British Radiologist Victoria Johnson. Special topics will include prostatic, diaphragmatic and retroperitoneal disease. The meeting also plans to update veterinarians about the latest diagnostic equipment permeating the industry, including computed radiography, ultrasound and CT, with a focus on when these tools are appropriate.

Perth in Autumn, what a great time to visit! The nights will still be balmy, but the hot weather of summer will be well and truly over! For more information see the enclosed or email conveynor Zoe Lenard at Z.Lenard@murdoch.edu.au.

President's report Graeme Allen.

When we created AAVDI it was with the practicing veterinarian in mind. With so many of you undertaking additional studies in Diagnostic Imaging or preparing for College membership, we believed that we could help consolidate practitioners interest in expanding DI knowledge by providing an Association devoted to bringing quality imaging refresher courses to the profession.

Our annual imaging meetings are always well attended, and are constructed to incorporate relevant and interesting topics. The 2006 meeting in Perth will provide an opportunity for participants to revise their knowledge of the retroperitoneal space and associated regions...anatomical structures that we don't always think about but should. This should be a fantastic meeting, because there will be many contributors from a range of backgrounds providing current information that will be helpful to all small animal practitioners. Opportunities to attend continuing education courses of this quality don't come around often, so I urge you to take advantage of them when they do.

The 2007 annual meeting and location have yet to be finalized, so if you have any suggestions about topics, or perhaps desired locations for meeting, let us know. The AAVDI website has been rebuilt under the watchful eye of Zoë Lenard and will be relaunched soon. The site will host a case of the month as well as providing layers of information and links that you will find interesting. We urge you to visit the site when it's launched. Your feedback will help our Webmaster/mistress to include information of contemporary interest.

Outside of AAVDI there are other meetings of interest that you should keep in mind, available both locally and overseas. The post Graduate Foundation in Veterinary Science will host a one day Diagnostic Imaging meeting in Sydney in July, 2006, providing a meeting using case based approach to learning that will demonstrate the utility of both traditional radiology and diagnostic ultrasound in unraveling the mysteries of interesting cases. Also in 2006 the International Veterinary Radiology Association will hold its tri-annual meeting, this time in Vancouver. Those who like to travel for knowledge will be able to enjoy Canada in August as well

AAVDI

Australasian Association of Veterinary Diagnostic Imaging

Jan 2006

as attend an imaging meeting that traditionally combines social activity with dissemination of knowledge.

In 2007 the WSAVA meeting will be in Sydney, and there will be a day devoted to advanced imaging topics such as CT. John Mattoon [co-author of a popular ultrasound textbook] has accepted the invitation to lead the imaging stream at the WSAVA meeting, so you can be sure the meeting will be of high quality.

For those of you who wish to grow your knowledge and skills at a deeper level, the PGF continues to provide quality Distance Education programs in both Diagnostic Imaging and Ultrasonography. These 10 month programs have been used by many of you to revitalize your interest and skills in imaging and are highly recommended to others who wish to build imaging opportunities in their practices.

Australia is a world leader in providing continuing educational opportunities for veterinarians. Seize the opportunity to expand your skills by planning to participate in one of the many exciting programs that will be available in the next 18 months.

IRVA Update 2006
A letter from Dr. Andrew Wood

Dear AAVDI Member,

August 2006 Meeting of the IVRA
All members of AAVDI are also members of the International Veterinary Radiology Association.

The 14th meeting of the IVRA will be in Vancouver, British Columbia, Canada from 6 - 11 August 2006. It will be a joint meeting with the American College of Veterinary Radiology and will be held at the Westin Bayshore Resort and Marina. Abstracts of scientific

papers and posters are to be submitted by 1 February 2006 and will be published in *Veterinary Radiology and Ultrasound*. Reduced conference registration rates apply from 1 March to 1 June 2006. Please visit the IVRA website (www.acvr.org) for full details of the meeting.

The Vice-President of the Association, Dr Darryl Biery, is chairing the Committee that will select radiologists from emerging countries who will be awarded Travel Fellowships to permit them to present a paper at the meeting in Canada. A list of those who have previously been awarded a Travel Fellowship is available at the website.

Vancouver is an outstanding city, and travel to Canada from Australia or New Zealand is easy. The meeting will be well organized and promises a mix of both scientific sessions and social activities that will permit you to catch up with old friends, and meet new ones, from around the world. I hope you will now start making plans to attend the meeting!

With best wishes, Andrew Wood.

EAVDI Annual Conference
Naples 2005

The European Association of Veterinary Diagnostic Imaging (EAVDI) held their annual meeting in Naples, Italy in October 2005.

EAVDI is a sister-organization to AAVDI, and aims to promote imaging throughout Europe. Approximately 200 delegates from across Europe, America and even as far away as Australia and New Zealand attended. AAVDI members Graeme Allen (Sydney), Mark Owen (Massey University) and Zoë Lenard (Murdoch University) were joined the fray.

Scientific presentations showcasing the latest research from across the world filled the days, with a special focus on nuclear scintigraphy. Presentations were not limited to the weird and wacky, and loads of practical research with immediate relevance was presented. One study evaluated a sonographic criteria for diagnosis and aetiology of extrahepatic biliary obstruction in cats. Plenty of studies assessed tumour vascularity pre and post chemotherapy using dynamic CT. A useful paper looked at the pros and cons of low cost teleradiology (photographic films with digital cameras and submitting them to radiologists). Ruth Dennis from the Animal Health Trust in Newmarket (UK) presented her groups' work evaluating spines with additional MRI sequences. Chris Lamb presented a study comparing the results of abdominal sonography and exploratory laparotomy, and concluded that sonography is most useful in preoperative evaluation of the surgical abdomen.

Naturally some of the other highlights of the conference were of a more social nature. Excellent Italian seafood feasts allowed delegates to mingle and meet each other. Trips to the ruins of Pompeii and scaling the heights of Mount Vesuvius were popular. Naples' harbour provided an excellent backdrop for beautiful Italian food (the rum bubba cake is just not the same in Oz) and naturally the shopping was outstanding (for those who find handbags and shoes give pleasure long after the visit is over).

Delegates were exceptionally friendly, and it was surprisingly easy to meet new friends and get to know some of the "faces" of the European radiology community. Attending an EAVDI conference is well worth the trip, with upcoming conferences planned for Greece.

AAVDI

Australasian Association of Veterinary Diagnostic Imaging

Jan 2006

HIP and ELBOW DYSPLASIA RADIOGRAPHY 'Positioning for the standard AVA/ANKC canine dysplasia scoring scheme'

Robert Nicoll

NOTE: Radiographs submitted for dysplasia certification must be taken of the dog at or over 12 months of age – confirm this detail prior to radiography by sighting the relevant official pedigree and registration document provided by the owner. Radiographs taken of the dog younger than 12 months of age cannot be scored.

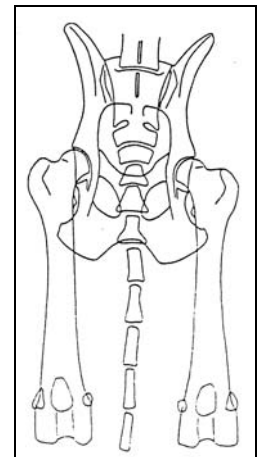
HIPS – ventrodorsal pelvis with hips extended

To position correctly remember to check that the:

- Ilial wings are the same size and shape
- Obturator foraminae are the same size and shape
- Femurs are parallel to each other, the tabletop and the ilial bodies
- Patellae are centred over the ipsilateral femoral trochleae
- Acetabular rim is visible through the femoral head

HELPFUL TIPS

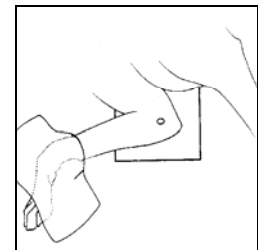
- use a flat foam pad under the pelvis so that the patient is less inclined to tilt to one side
- bring the stifles to mid-line (touching each other perpendicular to the table) BEFORE extending the femurs to be parallel with the table
- use adequate chemical restraint (general anaesthetic) to minimise patient movement
- COLLIMATE
- develop a pelvis technique chart to reduce the need for repeat radiographs



ELBOWS – fully flexed lateral of both the left and right elbow

To position correctly remember to

- gently flex the elbow as far as possible
- take care not to push the elbow under the pectoral muscles or sternum



RADIOGRAPH LABELS must be clear, indelible and include:

- Date of radiography
- Animal registered name and/or number
- Microchip or Tattoo number
- Client surname
- Left AND Right position marker

REMEMBER IT IS EASIER TO REPEAT THE VIEWS IF NECESSARY ON THE FIRST OCCASION THAN TO REQUEST A SECOND ATTEMPT ON THE PATIENT AT A LATER DATE.

(Acknowledgement: Dr Graeme Allan for line diagrams)