



Newsletter of the
International Society of Veterinary
Ophthalmology
April 2013

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Editorial

Towards better International relationships: the ISVO messages

Involvement in National and International professional organizations provides opportunities to learn and make proposals with a broader perspective on needs and priorities for all of us. Thanks to the help of voluntary supporters the ISVO has increased its role on the International scene over the last few months, now having more means of communication through Facebook and a web page.

There are two important messages I want to point out, arising from all that activity.

First: *"The world is something more!"* More than a national countryside, a local loved landscape, a place where we like to live, a friendly environment.

The professional world is "all together" bearing the same ideals, hoping for and working together for a common better future, helping others to do better, to go beyond personal limits. National and international groups being the foundations upon

which to build the common house, each one making an important contribution.

Second: *"Enthusiasm has no age, geographic or cultural limits!"* A bunch of enthusiastic people are planning the next ISVO steps, to provide members from all over the world occasions to meet and advance the profession. More generations can easily work together if their goals are based on universal values, like education and progress.

Let's hope such a message may reach people leading our countries, enthusiasm and ideals may help to overcome international crises.

Claudio Peruccio



Letter from the ISVO President

It is with a genuine sense of humility that I assume leadership of the ISVO, at the end of a successful Biennial Meeting and Scientific Program in New Zealand. I have been encouraged by the widespread enthusiasm shown by so many, at a time we hope will prove a turning point for this Society - established 33 years ago but perhaps never more relevant than it is today.

I can't remember when I first joined (probably in the mid-eighties), but it seems that the ISVO has always been there in the background, re-appearing every two years in conjunction with WSAVA or one of the College Annual Meetings. For me the ISVO's input has always added to the program and the atmosphere of international cooperation, encouraging a strong sense of common purpose. We are not a large group by international standards, but it seems that all of us veterinary ophthalmologists, from our long-established academic peers to the hard-working referral practitioner, are happy to be identified as members of a somewhat unassuming and fairly down-to-earth group!

My interest in veterinary ophthalmology arose even before I graduated in 1972, and I count myself fortunate to have practised through four decades in which this specialist discipline has really come into its own. One of my most influential mentors during that period (and an examiner when I took the RCVS Certificate exam in 1985) is the very person I have just taken over from as ISVO President. Professor Peter Bedford has made a unique contribution to veterinary ophthalmology in Europe and also to the

profession generally as a one-time WSAVA President, so it should come as no surprise to see what has been achieved during his two-year term as ISVO President. Thank you Peter, for your clear vision and the goals you have helped us to recognise as being worthwhile in the bigger scheme of things. The ISVO is all the stronger in 2013 for your methodical approach and your organizational skills. The baton now passes to the newly elected Board, acting in a much more structured environment under a brand new set of bylaws, to begin to implement some of those things that we are all keen to see happen.

The decision to meet in New Zealand alongside WSAVA in 2013 had its 'pluses and minuses' in terms of overall delegate support, but it has allowed a series of far-reaching decisions to be made that will definitely raise the profile of the Society and hopefully lead to a steady increase in our world-wide membership. I will leave it to others to expand on where the newly introduced ISVO Website and Facebook page has the potential to take us, but I share the Board's enthusiasm for the environment we are now working in, under the protection of well considered new bylaws for a US-registered Not-for-Profit organization. These changes have prescribed the roles of all office bearers and allowed us to set terms of appointment that should see the Society flourish, able to take full advantage of the enthusiasm and skills of new members representing a wide range of experience backgrounds.

I am confident that decisions taken in Auckland will prove to be the right ones - not only for the ISVO's future direction but also the agreed consensus that we seek to hold the next ISVO Biennial Meeting immediately prior to the ECVO Annual Meeting in Helsinki in May 2015. Thanks to Gil Ben-Shlomo's efforts with the new website www.isvo.info and the continuing high standards set by Claudio Peruccio with our on-line newsletter *The Globe*, I am confident that the International Society of Veterinary Ophthalmology will see a steady increase in its active membership, encouraging us to move ahead from strength to strength as an effective co-ordinating force internationally.

The ISVO-Acrivet study scholarships awarded for the first time during our 2013 business meeting are a great example of what we can do, to foster the development of veterinary ophthalmology internationally. Thanks to Acrivet's ongoing commitment to this project we are already

planning to advertise for the next round of applicants. Of course the Board is open to any other ideas and suggestions, identifying opportunities that may help our members anywhere in the World achieve their long-term career aspirations.

I would like to thank everyone who helped make the ISVO 2013 Biennial Meeting the success it was, especially our Magrane Memorial Lecturer Professor Anthony Molteno, Head of Ophthalmology at the Otago University School of Medicine. Thanks to the quality presentations from all of the speakers, our Weekend Program "Animal Eyes Down Under" went off well and was enjoyed by all.

I am looking forward very much to serving as your President for the next two years, and I wish all of you every success in your endeavours.

Bruce Robertson
ISVO President

Sydney, Australia.



A message from the ISVO Past-President

It is just 18 short months since I accepted the Presidential appointment at the biennial meeting held in Jeju Island in 2011 and the time has simply flown by. I have been fortunate to work with an industrious team of Officers and Board members, and I'm pleased to say that the Society has prospered.



Lloyd C. Helper, ISVO officer starting 1986

The most important task has been the founding of a new Constitution which has meant that amongst other significant changes the Society can fund its future activities with unlimited sponsorship. David Maggs toiled tirelessly with our Californian lawyers to have the by-laws completed for acceptance in Auckland and an 11th hour deliverance means that the Society can move forward with its sponsorship plans. Hopefully new activities will now flow and in this respect our first goal of creating two annual Travel Scholarships with the generous support of Acrivet has been realised.

It gave me great pleasure to announce the names of the 2013 recipients during the business meeting and I hope that many more of those seeking experience in centres of excellence can benefit from future Scholarships.

Auckland itself was a great success with the incoming President Bruce Robertson deservedly taking all the credit for his perfect organisation.



Peter Bedford handing over the Presidency to Bruce Robertson

The scientific programme was strong and in this respect I must acknowledge the contributions of the Australian Chapter of Veterinary Ophthalmology. The Magrane Lecturer, Professor Antony Molteno, was simply superb, his work with drainage shunts for the treatment of glaucoma being one of the most significant contributions to the management of this dreadful disease process in man.



Professor Antony Molteno receives his plaque from President Peter Bedford for the Magrane Lecture

I'm pleased to say that Claudio Peruccio was able to respond enthusiastically to my call for three Globes per year and the fact that the ISVO now has its own web page and is on Facebook as the result of Gil Ben Shlomo's endeavours means that the Society will have a much higher profile in the future.

I should remind you that membership is open to anyone with an interest in ophthalmology and I can only hope that the Society will continue to grow with our increasing activity.

I wish Bruce the best of fortune in his term of office but know that he will benefit from the same support from the Board that I enjoyed.

Peter Bedford
ISVO Past President



Peter Bedford in his element describing shunt surgery



The ISVO - Acrivet Scholarship

Thanks to generous sponsorship from Acrivet, ISVO is in the position to offer travel scholarships to two aspiring ophthalmologists who wish to spend one month of study in a centre of ophthalmic excellence. The scholarship will cover tuition, travel and subsistence costs up to \$2,000 per person. Scholars will also receive a free 1-year subscription to the journal *Veterinary Ophthalmology*. Applications should include a full curriculum vitae and a plan of the study to be undertaken, including a statement to justify the necessity for the application for funding. The selection of the two successful applicants will be made by members of the ISVO Executive Committee and any decision will be final.

Unsuccessful applicants will be permitted to re-apply for subsequent scholarships.

Further information can be obtained from the Secretary at: sandra.vanderwoerd@amcny.org

Our Sponsor's Voice

Acrivet extends its best wishes to the ISVO and we are pleased to be part of this exciting initiative to help in the continuing education of veterinary ophthalmologists worldwide. Our sponsorship of the **ISVO-Acrivet Scholarship** recognises particularly the rapid development of interest in ophthalmology in countries where teaching resources are currently limited and we would hope that our support will enable the development of expertise in such countries. We will raise the funding through a small levy on the sale of our intra-ocular lenses, tension rings and viscoelastics. These products will be labelled to recognise our contribution to the project.

Ingeborg Fromberg
Director, Veterinary Division, Acrivet



History of Veterinary Ophthalmology

Why ?

Each profession is based on solid foundations built up day by day, the final result is never achieved, continuous evolution being a fact of life and a way to live.

Consciousness of professional roots and perception of a never-ending progress, are essential for people to understand their limits and ignorance, favouring a humble approach to daily life.

By knowing the historical origins of Veterinary Ophthalmology we have the opportunity to better appreciate today's achievements. This seems a good reason to start a sequence of articles to be published in *The Globe*.

Bernard Clerc served the ISVO for years playing an active role as Secretary and President and has a special interest in the history of veterinary ophthalmology. He will provide a series of

articles to give our readers the chance to have a look at our origins.

The first two articles were published in the March and July 2012 editions of *The Globe*. Here, we present the third instalment.

Claudio Peruccio

The second half of the 19th century: The German school of ophthalmology from 1850 to 1900

At the conclusion of our second article in this series, which marked the birth of veterinary ophthalmology, we underlined the role of the book of U. Leblanc (*Traité des maladies des yeux sur les principaux animaux domestiques*) published in 1824. It presented revelations to both veterinarians and to physician ophthalmologists. However, during the quarter century which followed the publication of this book, no further original works on animal ophthalmic diseases appeared. In Brunswick, in Low Saxony, in 1847, Johan Friedrich Müller published a book named *Handbuch der veterinär Ophthalmologie für Thierärzte* which passed unperceived as L. Saunders mentions in his book *History of Veterinary Ophthalmic Pathology* (5). (I have borrowed much information for this series from that book.)

The turning point for ophthalmology is the invention of the ophthalmoscope by Helmholtz in 1851 in Heidelberg where the new technique of ophthalmoscopy is taught. Therefore, Heidelberg becomes a place of reference. The consequences of this discovery also have great repercussions on veterinary ophthalmology in Germany. I think, like Saunders, that the critical period for the development of our specialty is between 1875 and 1910 in Germany. France and Italy will appear only at the extreme end of the 19th century. It should be recalled that this period corresponds to an expansion of Germany which is fighting in 1870 with its neighbor, France. 1871 sees the birth of the powerful German Empire. Several testimonies of the time show profound antagonism between the two countries and the quasi absence of scientific relations between them. An international political competition between France and Germany increases the scientific competition. The dynamism of the German people stimulates the emergence of a scientific ophthalmology which uses new examination techniques and the study of pathology to expand the knowledge of ocular disease. The scientific movement extends into Austria and in all German-speaking countries. The names of the main players in the development of veterinary ophthalmology are Berlin, Möller, Everbush, Bayer.

They have a dual role: they all graduated from with degrees in human medicine but are pioneers in the Veterinary Colleges in Berlin, Vienna, Stuttgart, and Munich.

Rudolf Berlin (1833-1897) is a physician who taught in Stuttgart beginning in 1875 and, in parallel, managed a private ophthalmology clinic for humans.



Rudolf Berlin

(Courtesy of National Library of Medicine) from Saunders & Rubin

His research involves retinal detachment and the errors of refraction. With two other colleagues - Everbush from Munich and Bayer from Vienna - he founded a new journal *Zeitschrift für vergleichende Augenheilkunde* which was published from 1882 until 1893. He left the veterinary College of Stuttgart in 1889, to take a Chair in Ophthalmology at the University of Rostock in the Duchy of Mecklenburg. He died in 1897. Berlin had a great influence on the development of the specialty, not just through the introduction of the journal, but also through his personal relationships, which led him to stir the physician ophthalmologists' interest in veterinary ophthalmology. He educated many German and European veterinarians, in particular in equine ophthalmology. His interests were not limited to clinical work. In addition, he produced more fundamental studies especially in pathological anatomy as Leon Saunders underlines (5).

Heinrich Möller was one of the emergent figures in veterinary ophthalmology. He graduated from the Military Veterinary College in Berlin in 1861. After a few years of army service, he was called to teach in the Veterinary College of Berlin in 1874. During the following 20 years he made a remarkable contribution both in veterinary medicine and surgery as well as in

ophthalmology. His book, "*Lehrbuch der Augenheilkunde für Tierärzte*" became a leading manual and was translated into Russian. It had many editions until 1910.

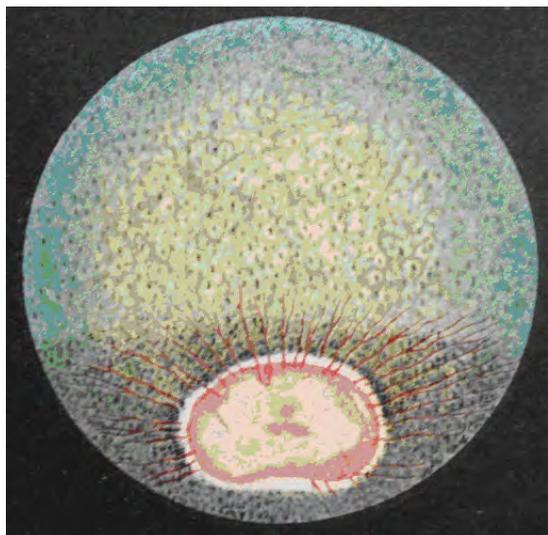
Oscar Everbush was at the same time an eminent figure of veterinary ophthalmology. He taught simultaneously at the Veterinary College in Munich and at the University. Like Berlin, he had a dual role. Having a university appointment, he approached comparative ophthalmology through publications in *Zeitschrift für vergleichende Augenheilkunde* and published a veterinary treatise describing eye diseases of the dog and horse. In 1886 he left Munich for Erlangen. He returned to Munich as Professor in 1900.

Joseph Bayer is the third co-founder of the *Zeitschrift für vergleichende Augenheilkunde*.



Josef Bayer

He was initially a physician but he passed the veterinary examination and graduated in 1874 in Vienna. He remained in the teaching team and developed veterinary ophthalmology in a remarkable way in Vienna. His main interest was equine uveitis. He collected an incomparable number of diseased eyes that forms still the basis of the famous collection of ocular pathological anatomy at the Vienna School. I had the privilege to see it in 1992 more than 100 years after the harvesting of the globes. Saunders says about Bayer: "in his interest in and emphasis on pathology, he was at least half a century ahead of his surgical colleagues". Bayer became then the director of the surgical clinic of the Vienna School. He worked diligently as co-publisher of *Zeitschrift für vergleichende Augenheilkunde*. In 1892 he published an atlas *Bildliche Darstellung des gesunden und kranken Auges unserer Haustiere* with 24 tables of fantastic figures.



J Bayer, "Bildliche Darstellung des gesunden und kranken auges" Table 1, normal horse fundus

In 1900 he published another book - *Augenheilkunde* - which was a popular guide for German veterinarians. William Magrane writes in his book *History of Veterinary Ophthalmology* (3) that J. Bayer stopped teaching in 1908 after "having dominated European veterinary ophthalmology throughout his career".

So ends the critical period of edification of modern ophthalmology in Germany. At the end of the 19th century, ophthalmology developed in other European countries. In 1892, a smart Italian A. Vachetta produced an excellent book *Trattato di Oftalmiatria Veterinaria* and in 1908, a French veterinarian, Eugene Nicolas published his first edition of *Ophthalmologie Vétérinaire et Comparee* of which we shall speak again in the next article.

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2. Berlin R., Everbush O., Bayer J. *Zeitschrift für vergleichende Augenheilkunde 1882-1893* ,
3. Magrane W.G., *A History of Veterinary Ophthalmology*, 1988. (1 volume) for the *International Society of Veterinary Ophthalmologists and American College of Veterinary Ophthalmologists*
4. Möller Heinrich. *Lehr buch der Augen Heil kunde für Tierärzte* .
5. Saunders L.Z. & Rubin L. *Ophthalmic Pathology of animals*, 1975, S. Karger, Basel.



The Interview

We start this new session to give our readers the opportunity to better know some of the outstanding members of our community who have played (and in some instances are still playing) a significant role in the progress of Veterinary and Comparative Ophthalmology.

It is our hope that their stories may be a positive influence and stimulus for the many of us interested in this specialty field.

Claudio Peruccio

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Meeting Rowan Blogg



J Rowan Blogg was awarded an Order of Australia Medal for service to veterinary science, particularly in the specialty of ophthalmology, and as an author and mentor.

He was an Academic Associate and Senior Lecturer at the School of Veterinary Science, University of Melbourne. He was also a Fellow of the Australian Veterinary Association. Rowan was Honorary Veterinarian and Honorary Life Governor, Seeing Eye Dogs Australia, and President, International Society of Veterinary Ophthalmology.

Rowan established his veterinary ophthalmology practice in Melbourne in 1968 and has many publications including co-authoring "Everydog" and most recently "Any Kind of Danger", a book that tackles exploitation of animals.

Five questions to Rowan Blogg from the Editor

Q: *In 1975 you wrote the first edition of your book 'The Eye in Veterinary Practice' with lots of data and practical information. After 37 years most of the content is still relevant and useful, although research has increased our knowledge and new instruments and drugs have made our profession much more sophisticated, which has opened up new therapeutic perspectives. What do you see as the significant changes, since your original book was published?*

A: Since 1968 when I left Kansas State University having completed my residency training, I have always tried to see the 'bigger picture' and the broader role of veterinarians as the guardians of animal health. Over the last 30 years or so, attitudes appear to have changed. The world started to become too busy to listen carefully to trained animal scientists, not least in our special area of study. Mankind has become more motivated by financial profit than 'doing the right thing by the animals'.

One doesn't like to dwell on emotive issues such as reported instances of slaughter house cruelty or the shameful proliferation of factory farms, where management is focused on production above all else, with little regard to the effects of extreme stress or how animals cope in cramped spaces. The tide is now turning again fortunately, but there was a period there where veterinarians with excellent animal husbandry skills simply were not being listened to, in the rush to see big business succeed.

I have always believed in the dictum 'First, do no harm', and I have tried to observe that throughout my career as a practitioner and teacher in veterinary ophthalmology.

There have been many changes at the technical level. I think I can claim to have been the first to introduce the operating microscope to vets in practice, certainly in Australia & New Zealand if not the Southern Hemisphere. Then there was the seismic shift from extracapsular cataract extractions across to small incision ultrasound, and the 'leap of faith' we took when the early phaco handpieces with their crude and unpredictable aspiration chambers reached the hands of veterinary ophthalmic surgeons, who were dealing with a very different set of conditions to what they were designed for.

Oh what a steep learning curve that was, until we once again had to admit that the eye in domestic animals – none more so than the horse – responds so differently to what our human colleagues had taught us to expect; and as some of them

discovered to their great dismay when tackling a rock-hard canine cataract, or a much flimsier than expected posterior lens capsule!

Q: *If you think of a person you knew who made an important contribution to Veterinary and Comparative Ophthalmology, who are you thinking of?*

A: Bear in mind there were no mentor 'eye vets' in my part of the world back in the mid to late seventies. Dr Ron Lowe, a medical ophthalmologist at the Royal Victorian Eye and Ear Hospital in Melbourne, taught me a lot of diagnostic principles from his human patients.

North America was a true eye-opener of course, and all of the pioneering vets with an eye interest in those days were helpful, including Bill Magrane and Stephen Bistner.

In 1966 I met Dr Kirk Gelatt at Kansas State before he moved on to Florida. He was a kind teacher with a very sharp mind, and he was probably the one who inspired me the most, at that time.

Q: *Can you share anything of the human-professional lessons that were impressed upon you, which you would like to pass on?*

A: Yes – I quickly learned that you cannot rely on the pupil response as a test of safe vision!

Owners need to be asked to have a dark eye exam area ready when the vet calls. Even with a significant visual deficit, both horses and small animals may perform well enough to escape detection. Some dogs with retinal atrophy will simply stand still in the middle of a room. Any pony shying or falling at jumps needs to be examined by the veterinary eye doctor. No rider at risk (e.g. a disabled person or any child, even with advanced equestrian skills) should be allowed into the saddle of a horse until it has undergone a qualified eye doctor's examination.

Even where one eye shows obvious damage, always look to the fellow eye.

Dry eyes are a common yet frequently overlooked diagnosis. Excessively prominent eyes are always at a physiological disadvantage, or at least are not comfortable. Owners need to be aware of the value of tear supplementation, even when the dog does not seem to feel eye pain. In my view, owners should be prepared to look beyond the cosmetic appeal of a large, soulful eye and see the benefits to be had from reducing the length of the palpebral opening – not only to enhance tear coverage but also to lessen the chance of eyeball prolapse from a shallow bony orbit.

Q: *Please let us know an important episode in your career that you wish to share with our readers:*

A: It would be hard to separate out a single episode or 'light bulb' moment, but for me the life-changing experience was the chance to travel to USA to take up a Residency in Ophthalmology. Americans are generous and kind. I don't know how systems work in various parts of the World today, but back in the late seventies I found American universities very keen to help practitioners. All of the academics in the American university Veterinary Teaching Hospitals were proudly supportive of their colleagues in practice and were always willing to impart knowledge, in return for a steady flow of referral eye cases for undergraduate and postgraduate teaching.

Q: *In light of your motivation and extensive career experience, what would you recommend to someone starting out now, embarking on a professional career in the same specialty field?*

A: For the would-be ophthalmologist awaiting a residency:

Find an exam room with a window blind, or a dark corner of a stable. Equip yourself with good magnification and a bright focal light source, and then seek out a helpful colleague who can show you indirect ophthalmoscopy. Draw what you see.

Practise being ambidextrous. A surgeon uses both hands.

Read all the illustrated veterinary eye texts you can. Consider second-hand, or e books.

You might start with:

Gordon Lynn Walls (1967) *The Vertebrate Eye and its Adaptive Radiation* Hafner Publishing, New York, London.

WG Magrane (1988) *A History of Veterinary Ophthalmology* (Franklin Press, Indiana)

Keith Barnett (2012) *Diagnostic Atlas of Veterinary Ophthalmology*, (WB Saunders)

Maggs D et al (2012) *Slatter's Fundamentals of Veterinary Ophthalmology*, (WB Saunders)

We are inspired by the beauty of the eye and the amazing functional adaptation between species. Animal eyes are simply awe-inspiring in their design variation - able to see a meal high in the sky, or be so reliant on their peripheral vision as to avoid becoming one! Animal eyes function when there is too much light from above, as well as in the near-black depths of the ocean.

As broadly trained veterinarians, we do have something special to contribute to human survival

and preservation of the environment. Who else can better raise a unified professional voice when in any one year, according to National Geographic anything up to 25,000 breeding-age elephants are being killed just for the trade in ivory, or while mankind through ignorance, indifference or both, tolerates so much environmental destruction and the irretrievable loss of critical animal habitats? Is there a profession better placed to appreciate the huge value of animals in human wellbeing?

We need to remind ourselves that other professionals may not see what we see. Medico eye doctors are denied the spectacular beauty of the tapetum and what it reveals about visual adaptation, the variety of pupil designs and the way species differences contribute to our understanding of wildlife senses. Other observers may not have the chance to see close up what animals can do instinctively, so perfectly adapted to their niche after thousands of years of environmental challenge and change.

I suppose I could summarise my professional philosophy in this way:

I wanted to be a vet when I owned my first pony at eleven years.

I wanted to study ophthalmology when I treated Guide Dogs in my Melbourne practice in the 1950's and I contacted supportive vets in North America and the United Kingdom.

I succeeded in private referral practice because I had excellent veterinary practitioner support, especially from the great expanse of Eastern Australia.

Later in life I became more aware of the other side of the coin, especially as the truth hit home about some of the inhumane and abhorrent practices still allowed to go on in the name of profit.

And all that has reminded me of why I wanted to become a vet, in the first place.

I congratulate the ISVO on its forward thinking initiatives, and I wish all members the very best in their future careers. I am sorry I cannot be there for the upcoming Biennial Meeting in Auckland, and I do appreciate the efforts that have been made on my behalf to try to make that happen.

As veterinary ophthalmologists we have set a good example to the other specialist disciplines. We enjoy a wonderful sense of collegiality and constant cross-fertilisation of ideas, and I am pleased to see the ISVO now seeking to facilitate stronger networks and cooperation on an international scale.

J Rowan Blogg

Melbourne, Australia (ISVO President 1982-1984)



Coming Events

International Ophthalmology Meeting Jaboticabal City, Sao Paulo State, Brazil April 27th -28th, 2013

Speakers:

- Bedford P.G.C. (UK)
- Laus, L. (Brazil)



Ophthalmology Meeting with the BRAZILIAN SMALL ANIMAL VETERINARY CONGRESS (ANCLIVEPA) Natal city, RN, Brazil May, 8th -11th, 2013

Speakers:

- Laus, J. L. (Brazil)
- Andreia, A (Brazil)



2013 ECVO MEETING Barcelona, Spain May 16th - 19th, 2013 Main topic Ocular Immunology & inflammation



An invitation to attend the ECVO Meeting

Dear colleagues and friends,

We wish to welcome you all, on behalf of ECVO, to our 2013 Annual Scientific Meeting in Barcelona, Spain.

Plan to join us May 16-19; it will be a good occasion to learn and to meet old and new friends from all over the world.

This year the central theme of our scientific programme will be "Ocular Immunology and Inflammation". We will provide both a broad overview and a state of the art approach to the immunologic basis of many of the eye diseases that we commonly encounter in our daily practice.

We look forward to meeting you soon in Barcelona!

Gill McLellan (*ECVO President*)

Charlotte Keller (*ECVO Scientific Committee Chair*)

Claudio Peruccio (*ECVO Planning Committee Chair*)

Invited speakers:

- Dr. Yan Guex-Crosier
- Dr. Daniel Biro
- Dr. Cornelia Deeg
- Dr. Carolina Naranjo Freixa
- Dr. Christine Watté

Preliminary Programme

Thursday May 16, 2013: Continuing Education on "Immunology and Inflammation"

- 10.30 Welcome and introduction of speakers
- 10.40 Ocular immunology in a nutshell (Dr. Christine Watté)
- 11.15 Histology of the normal eye (Dr. Carolina Naranjo)
- 11.50 Immuno- and histopathology of immune-mediated and inflammatory diseases (Dr. Dan Biro, Dr. Christine Watté and Dr. Carolina Naranjo)
- 13.00 *Lunch*
- 14.00 Uveitis (Dr. Dan Biro, Dr. Christine Watté and Dr. Carolina Naranjo)
- 14.45 *Coffee Break*
- 15.15 **ECVO AGM**
- 19.00 Welcome Reception (Caixa Forum)

Friday May 17, 2013: Main Program

- 09.00 Opening
- 09.15 Resident's Forum Session
- 11.00 *Coffee Break*
- 11.30 Scientific Session
- 13.00 *Lunch*
- 14.00 Poster Session & Industrial Exhibition
- 15.00 Scientific Session
- 16.30 *Coffee Break* - Poster Session & Industrial Exhibition
- 17.00 Hereditary Eye Diseases Session
- 18.30 End of the afternoon session
- 21.00 Social Dinner

Saturday May 18, 2013: Main Program

- 09.00 Scientific Session
- 11.00 *Coffee Break* - Poster Session & Industrial Exhibition
- 11.30 **State of the Art Lecture:**
Update on the management of intraocular inflammation (Yan Guex-Crosier)
- 13.00 *Lunch*
- 14.00 Poster Session & Industrial Exhibition
- 15.00 Scientific Session
- 16.45 Closing and awards

Sunday May 19, 2013 (09.00-13.00)
Masterclass: Immunology

- 09.00 Welcome and introduction of speakers
09.10 Ocular immune privilege, ACAID, and its therapeutic potential (Dr.Christine Watté)
10.00 Ocular immunosuppressive factors: the elements that shape ocular immunity. (Dr. Dan Biroš)
10.50 *Coffee break*
11.20 Pathology of common immune-mediated diseases (Dr. Carolina Naranjo)
12.10 Novel insights into the pathophysiology of equine recurrent uveitis (Dr. Cornelia Deeg)
12.30 End of the Masterclass

For more information: www.ecvoconference.org



**Italian Companion Animals
Veterinary Association**
74th SCIVAC International Congress
Rimini Congress Center, May 31st-June 2nd

Ophthalmology Session

Continuing Education:

- Selected paediatric ophthalmic clinical cases
- Glaucomas, a dog's nightmare
- Cats have their own glaucomas
- Endocrine disorders and the eye
- and more

Advanced session:

- Animal vision, from needs to function, new perspectives

Invited Speaker:

Paul E. Miller, DVM, Dip. ACVO, Clinical Professor of Comparative Ophthalmology at the School of Veterinary Medicine, University of Wisconsin

For more information: www.scivacrimini.it



F S A

Animal Health Foundation

&

Italian HED Panel

Rimini, Italy, City Congress Centre
June 1st, 2013

Speakers: Giovanni Barsotti, Claudio Peruccio,

Language: Italian

Preliminary program topics:

Saturday afternoon: 14.00 - 17.00

"From breed to breed" 1st course

- Labrador Retriever
 - PIED clinical cases
 - Literature update, DNA testing, epidemiology in Italy
- Golden Retriever
 - PIED clinical cases
 - Literature update, DNA testing, epidemiology in Italy
- Flat Coated Retriever
 - PIED clinical cases
 - Literature update, DNA testing, epidemiology in Italy

For more information: monica.borghisani@evsrl.it



The next Symposium is scheduled for June 7-9, 2013 in picturesque Jackson Hole, Wyoming, USA.

We invite you to join the IEOC in Jackson Hole, Wyoming, USA. The goal of this symposium is to share, with a small group of dedicated clinicians and scientists, current clinical and basic research on equine ophthalmology. The meeting will be comprised of combinations of panels, case reports, abstract presentations, state of the art lecturers, roundtables and enjoyable networking opportunities. This stunning location is the gateway to Yellowstone National Park and Grant Teton National Park. It is highly recommended that attendees extend their time here to visit these national treasures. The meeting will be held at [Hotel Terra](#) in the Teton Village area of Jackson Hole..



Situated at the base of the mountain is the Swiss-style Teton Village. Everything needed for a great meeting and vacation is located here: espresso stands, restaurants, bars, gift shop, groceries, car rentals, child care, personal trainers, horseback riding, and bike rentals



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Travel to the Jackson Hole International Airport is actually easier and more affordable than you might think...even from Europe!

State of the Art Lecturers:

Dr. Elizabeth Giuliano, DVM, MS, DACVO – “Photodynamic Therapy for Equine Periocular Tumors”

Summary: Photodynamic therapy (PDT) is used in the treatment of a variety of ailments including solid tumors, age-related macular degeneration, and atherosclerotic plaques. PDT involves the use of photochemical reactions mediated through the interaction of photosensitizing agents, light, and oxygen. Tumor selectivity in treatment occurs through a combination of selective retention of the photoactive agent by neoplastic cells and delivery of light to a highly-specific area. A brief history of the development of this treatment modality in veterinary ophthalmology followed by discussion of the use of local PDT in the treatment of equine periocular tumors (squamous cell carcinoma, sarcoid, and melanoma) in clinical patients at the University of Missouri over the past 10 years will be presented.

Dr. Dennis Brooks, DVM, PhD, DACVO - "Complications of Ophthalmic Surgery in the Horse"

Summary: Advances in the understanding of ophthalmic diseases of the horse and improved microsurgical technologies now allow for more complicated ophthalmic surgical procedures to be successfully performed on the horse eyelids, cornea, lens and vitreous, and for the successful treatment of equine glaucoma. A discussion of the common complications of selected ophthalmic surgical procedures in the horse can perhaps reduce their occurrence and minimize the degree of ocular dysfunction per occurrence.

Featuring:

- Abstracts
- Case reports
- Panel discussion
- Roundtable discussions
- An offsite dinner event overlooking the magnificent Tetons Mountains

For more information: www.equineophtho.org



International Ophthalmology Meeting
in conjunction with the
**BRAZILIAN CONGRESS OF VETERINARY
SPECIALITIES (MEDVEP)**
Bento Gonçalves City, Rio Grande do Sul State
July 24th -27th, 2013

Speakers:

- McLellan, G. (USA)
- Galera, P. (Brazil)
- Pigatto, J. A. T. (Brazil)
- Laus, J. L. (Brazil)



Nordic Eye Meeting 2013
August 29th-31st

Hindsgavl Castle
Hindsgavl Allé 7
5500 Middelfart
Denmark

For more information about the venue www.hindsgavl.dk

Danish Society of Veterinary Ophthalmology
is happy to invite you to Denmark for the
Nordic Eye Meeting 2013

The main topics for the meeting will be
Neuro-ophthalmology
and
Hereditary eye diseases

Invited Speakers:

David Gould, BSc(Hons) BVM& S PhD MRCVS
DVOphthal Dip EVCO, RCVS & European
Veterinary Specialist in Ophthalmology
Director Davies Veterinary Specialists. UK

Cathryn Mellersh, BSc, PhD - Head of Canine
Genetics, Animal Health Trust, UK
Rick F Sanchez, BSciBiol, DVM, Dip ECVO, MRCVS
Head of the Ophthalmology Service at the Royal
Veterinary College, University of London, UK

For further information about speakers, programme,
registration etc. keep updated at www.dsv.o.dk ,

See you at Hindsgavl !!



American College of Veterinary Ophthalmologists

We invite you to attend the 44th annual ACVO Scientific Conference in beautiful Puerto Rico! The ACVO typically meets within the contiguous United States, but every five or so years, we try something new. Join over 600-700 registered attendees for cutting edge continuing education in the sun; enjoy Old San Juan, the brightest bio-bays in the world, excellent scuba diving and explore the rain forest, just steps from the hotel.

Location and continuing education credits

Due to member requests, the Puerto Rico schedule will mirror that of the 2007 schedule in Hawaii. The tentative schedule is now available at www.ACVOconference.org. The conference will offer similar continuing education opportunities as past years, with over 140 cutting edge scientific abstract presentations and posters, residents' workshop, and two photography courses focusing on either the novice or expert. We will also hold our 'ophthalmology course for general practitioners' for eight hours on Saturday. Total continuing education credits available per track are 18.5-20.5 for general sessions and an additional 8 hours for the two, four hour labs.

Scheduling and sight seeing

Sessions will be organized in a half-day fashion to allow for a little sight-seeing on this historic island. Days will alternate with early morning or late afternoon starts, depending on the other evening or morning programs those days. Time will be available to sightsee in both the mornings and afternoons. If you do plan to take optional courses, know that these will be held during the week during

the 'off' time on general session days (not on Sunday). Join us for the opening reception Monday evening, scientific sessions will begin on Tuesday and conclude Saturday afternoon. All courses and the exhibit show will end on Saturday.

Memorial Speaker, Christine McGahan, PhD

Dr. McGahan is the Professor of Pharmacology and Department Head at North Carolina State University. Her expertise lies in studies of iron metabolism in the eye. She has collaborated with our very own Mike Davidson and Brian Gilger and has published extensively on her research. We will have a full biography and topic description available by the opening of registration. In the meantime, here is the overall thesis regarding iron metabolism from the NC State website:

Overall Hypothesis:

Alterations in cellular iron metabolism and storage in the lens and retinal pigmented epithelial cells result in significant changes in the size of the labile iron pool with concomitant physiological changes in glutamate and glutathione production and secretion, the activity of HIF-, the potential for pathophysiological changes and decreased ability to resist oxidative stress.

Call for papers and attendee registration: The call for papers will open on May 1st, along with attendee registration. Papers are due the first Friday after the 4th of July. All are automated processes available at www.ACVOConference.org

Host hotel: We have secured a room block at the [Wyndam Rio Mar Resort](#) in Puerto Rico (please use the ACVO block reservation link below). This is a resort property with very few overflow options so please register early. This facility is located approximately a 30 minute drive from the San Juan International Airport. Shuttle services are available via DragonFly for approximately \$75 round trip per person, hotel and group transport is not available. The rooms this year will include complimentary internet and \$10 of complimentary credits to spend on site.

[Hotel reservation information, link and telephone number for ACVO group.](#)

Vendor registration opened April 1st for 2012 vendors, and April 15th for new or repeat vendors who missed the 2012 meeting in Portland. Rates will be similar to 2012, approximately \$900-\$950 per booth. You do not need to order anything more than power and internet. If you are *interested in sponsorship*, please contact our office.

Much more information will be available as the meeting develops. Check this site in April/May for more details. In the meantime, you're welcome to contact the office with any questions.

See you in Puerto Rico!

Watch www.ACVOconference.org for updates and email office13@acvo.org with any questions.



F S A

Animal Health Foundation

&

Italian HED Panel

Cremona, Italy, Palazzo Trecchi

November 29, 2013

Speakers: Giovanni Barsotti, Claudio Peruccio, Michele Polli

Language: Italian

Preliminary program topics:

Friday afternoon: 14.00 - 18.30

"Genetics and PIED"

- Basic genetics for the veterinary ophthalmologist - M. Polli
- Clinicians and genetists to prevent hereditary eye diseases: prospects by close cooperation (C. Peruccio)

"From breed to breed" 2nd course

- Collie
 - PIED clinical cases
 - Literature update, DNA testing, epidemiology in Italy
- Border Collie
 - PIED clinical cases
 - Literature update, DNA testing, epidemiology in Italy
- Shetland Sheepdog
 - PIED clinical cases
 - Literature update, DNA testing, epidemiology in Italy

For more information: monica.borghisani@evsrl.it





SOVI

Italian Society of Veterinary Ophthalmology
Cremona, Italy, Palazzo Trecchi
November 30, 2013

“Ocular manifestations of systemic infectious disorders in dogs: from pathogenesis to diagnosis”

Speakers: Dr. Tommaso Furlanello, Dr. Federica Maggio and Dr. Domenico Multari

Language: Italian

- 8.30-9.00 Registration
- 9.00-9.45 Bacterial diseases - Part 1 - From Borrelia to Rickettsiae: pathogenesis, clinical signs and role of the immune system (F. Maggio)
- 9.45-10.30 Bacterial diseases - Part 2 - It's not all just about TBD: let's talk about other noteworthy diseases and their ocular signs (D. Multari)
- 10.30-11.00 Coffee Break
- 11.00-11.45 Viral and parasitic disorders - From microscopic to macroscopic agents: brief roundup on emergent, rare or unexpected diseases (F. Maggio)
- 11.45-12.30 Protozoal diseases - Leishmaniasis and friends..... (D. Multari)
- 12.30-13.00 Discussion
- 13.00-14.00 Lunch Break
- 14.00-15.00 Diagnosis, staging and treatment monitoring in tick borne diseases: from serology to molecular biology testing - Part 1. (T. Furlanello)
- 15.00-15.30 Coffee Break
- 15.30-16.00 Diagnosis, staging and treatment monitoring in tick borne diseases: from serology to molecular biology testing - Part 2. (T. Furlanello)
- 16.00-16.30 Final Discussion
- 16.30 End of the meeting

Cremona, December, 1st 2013:

- 9,00-10,30: Free communications
- 10,30-11,00: Coffee break
- 11,00-12,30: Free communications
- 12,30: End of the meeting

For more information: socspec@scivac.it



ISVO Executive Committee addresses

- Past President:** Peter Bedford (UK)
pbedford@rvc.ac.uk
- President:** Bruce Robertson (Australia)
bfrob@eyevet.com.au
- President Elect:** David Maggs (USA)
djmaggs@ucdavis.edu
- Sec/Treas:** Sandra van der Woerd (USA)
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kmseo@snu.ac.kr
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Bob Munger (USA)
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Useful e-mail addresses

- International Society of Veterinary Ophthalmology (ISVO) www.isvo.info
- American College of Veterinary Ophthalmologists (ACVO): www.acvo.org
- European College of Veterinary Ophthalmologists (ECVO): www.ecvo.org
- European Society of Veterinary Ophthalmology (ESVO): www.esvo.org
- Japanese Society of Comparative and Veterinary Ophthalmology (JCVO): www.jscvo.jp
- British Association of Veterinary Ophthalmologists (BrAVO): www.bravo.org.uk
- European School for Advanced Veterinary Studies: www.esavs.net
- British Small Animal Veterinary Association: www.bsava.com
- International Veterinary Information Service (IVIS): www.ivis.org

NOTE FROM THE ISVO TREASURER

"To join ISVO, please apply online at the ISVO website (www.isvo.info). The current dues are US\$25 per annum

Sandra van der Woerd
Secretary-Treasurer ISVO

ISVO will continue to email The Globe to members at least three times per year

