



Cape Town International Convention Centre, South Africa

WILDLIFE PROGRAMME AT WVC2011

**Wildlife vets will be well catered for at the
30th World Veterinary Congress**

The Wildlife Group of the South African Veterinary Association is hosting a stimulating programme focusing primarily on various rhino topics, as well as updates on anaesthesia. Further wildlife topics are addressed in various other sessions. Overall, nearly 100 presentations relate to wildlife!

In addition, there are pre- and post-congress safaris to Kruger National Park, as well as a hands-on immobilisation course for veterinarians, which includes a visit to Kruger National Park. (See pages 5-7)

**An opportunity not
to be missed!**

Wildlife Group



South African Veterinary Association

South African Veterinary Association

Suid-Afrikaanse Veterinêre Vereniging



PAPERS ON WILDLIFE TOPICS:

96 papers
and
6 posters!

- Adverse reactions to opioids (Leith Meyer)
- Airlifting of large herbivores from inaccessible areas – a viable means of transport (Dave Cooper)
- An update on anaesthesia of hippopotamus (Markus Hofmeyr)
- An update on anaesthesia of lion (Markus Hofmeyr)
- An update on rhino anaesthesia (Douw Grobler)
- Capture and confinement of the white rhinoceros: ACTH challenge to validate measurement of faecal glucocorticoid metabolites as an indicator of the stress response (M Kruger)
- Conducting an autopsy on a rhino (Johan Steyl)
- Hand-rearing of rhino calves (Jana Pretorius)
- Blood parasites of rhinos and their impact on conservation (Banie Penzhorn)
- Protein gene candidates for the molecular detection of *Theileria parva* in Cape buffalo from southern Africa (Ronel Pienaar)
- Lead toxicity in vultures at the National Zoological Gardens (Vinny Naidoo)
- *Taenia multiceps* outbreak in a sable breeding herd (Malcolm Macfarlane)
- Management of equine sarcoids in free-ranging populations of endangered Cape Mountain zebra (David Zimmermann)
- Alpha viruses as a cause of neurological disease in wildlife in Africa (Stephanie van Niekerk)
- Management of natural mating by oestrus synchronisation technique in *Cervus elaphus* in northern Iran (B Ekrani)
- Spread of zoonotic bacteria by wild birds: antibiotic resistance and establishment in coastal areas of Bangladesh (Badrul Hasan)
- Canine distemper in free-ranging lions (Dave Zimmermann)
- Feline immunodeficiency virus in African lions: clinical, immunological and coinfection patterns (Danny Govender)
- The epidemiology of lion lentivirus infection among a population of free-ranging lions (*Panthera leo*) in the Kruger National Park (Hailey Adams)
- Zoonotic diseases at the animal/human interface in the Arctic (Jacques Godfroid)
- *Mycobacterium avium* complex isolated from black wildebeest in South Africa 2009-2010 (Prudence Kabongo-Kayoka)
- Elephant deterrents (Glynn Catton)
- Development of Transfrontier Conservation Areas in SADC: opportunities and threats to food production, safety and security (John Hanks)
- Scientific task force on wildlife diseases and FAO's role in multilateral environmental agreements (Scott Newman)
- Diseases, development and biodiversity: case studies from eastern Africa (Sarah Cleveland)
- Current veterinary management challenges in the GLTFCA with recent disease updates and priority objectives set by the GLTP Veterinary Committee (Markus Hofmeyr)
- Prevalence of diseases at different wildlife/livestock interfaces in the GLTCA (Michel de Garine-Wichatitsky)

Topics include immobilisation, diseases (TB, brucellosis, theileriosis, rabies, etc.), epidemiology, utilisation, management, clinical matters, dentistry

- Mapungubwe NP – challenges of creating a TFP within a different cultural and land-use option (Richard Burroughs)
- Land-use paradigms, wildlife and livestock: Policy options for biodiversity, livelihoods and transboundary disease management in Southern Africa (Mark Atkinson)
- A National Wildlife Health Surveillance Programme: The Canadian example (Scott McBurney)
- Risk of disease transmission at the wildlife/domestic interface in the context of TFCAs in Southern Africa (Eve Miguel)
- Wildlife-human-livestock interface – predators and problem animals (Petronella Chiwanuka)
- OIE standards on integrated livestock and wildlife health: does the hand fit the glove? (Neo Mapitse)
- Domestic-wildlife-interface diseases: what is the true cost to wildlife populations? (Danny Govender)
- Survey of brucellosis at the wildlife-livestock interface on the Zimbabwean side of the GLTFCA (Calvin Gomo)
- The Olifants River: Has improvements in flow been met with improvement in river health? (Danny Govender)
- Living downstream – consequences of abusing a major river in South Africa like to Olifants (Jan Myburgh)
- Environmental pollution: the threat to crocodiles and fish (Johan Steyl)
- Fat necrosis in fish: relevance of hydrodynamic change and pollution to the aquatic food chain in the Kruger National Park (David Huchzermeyer)
- The role of bats in harbouring and spreading of emerging and re-emerging zoonotic viruses (Janusz Paweska)
- Surveillance of white-nose syndrome in bats in Ontario, Canada (Douglas Campbell)
- Ecology of disease transmission in multi-host systems (Alexandre Caron)
- Considerations regarding detection of emerging health issues in wild avian populations (Scott McBurney)
- Emergence of Type E botulism in waterbirds of the lower Great Lakes (Douglas Campbell)
- *Toxoplasma gondii* at the human-animal-environment interface: exploring the connection between land and sea (Liz van Wormer)
- Setting the scene: perceptions on wildlife production in southern Africa (Koos Bothma)
- Fencing Impacts: A review of the pros and cons of veterinary and game fencing with regard to conservation in southern Africa (K Ferguson)
- Toxicity of diclofenac to *Gyps* vultures: South African response to Asian crisis (Gerry Swan)
- Vultures at risk: The story of diclofenac, meloxicam and ketoprofen (Vinny Naidoo)
- Wildlife as sentinels of ecosystem health (Judith Smits)
- Rabies control in wildlife in the Orpen SV area (Bjorn Reinighaus)
- Enhanced surveillance of raccoon rabies in the province of Québec, Canada (Stéphane Lair)
- Avian influenza surveillance and research in Canada (Jane Parmley)
- Risk of diffusion of highly pathogenic avian influenza virus between wild and domestic avian compartments through wild birds in Zimbabwe (Alexandre Caron)
- Newcastle disease and avian influenza in double-crested cormorants in Canada (Ted Leighton)
- Breeding seasonality of wild duck species and implications for avian influenza epidemiology – Zimbabwean case study (Josephine Mundava)
- Immune response and shedding profile of Egyptian geese to infection with low pathogenicity avian influenza viruses (C Burger-Rooza)
- Treating bumblefoot in birds of prey (Neil Forbes)
- Common diseases of raptors (Neil Forbes)
- Avian zoonotic diseases (Francois le Grange)
- Common parasitic diseases of birds (Neil Forbes)
- Tusk extraction in African elephants (Gerhard Steenkamp)
- The dental cost of habitat transformation (Adrian Tordiffe)
- Small primate dentistry (Cedric Tutt)
- Avian and reptile dentistry (Peter Emily)
- How to deal with lagomorph and rodent dental abscesses (Loic Legendre)
- Bacteria profile and antibiogram of bacteria isolated from exposed pulp of canine teeth of cheetahs (Jose Ruiz)

- Comparative exotic endodontics (Peter Emily)
- Veterinary dentistry on marine mammals (Steve Holmstrom)
- Dental treatment of 4 California sea lions in an indoor show facility in Canada (Loic Legendre)
- Looking for tooth resorption in the Swedish Eurasian lynx (*Lynx lynx*) – examination of the dentition in skulls from 46 free-ranging Eurasian lynx (Ann Pettersson)
- Anaesthesia in megaherbivores: crucial for any successful dental procedure (Adrian Tordiffe)
- Hippopotamus vital pulpotomies (Peter Emily)
- Molecular epidemiology of Shuni virus: a cause of neurological disease in wildlife in South Africa (Charmaine van Eeden)
- Epidemiological intricacies of the 2009/2010 anthrax outbreaks in the Kruger National Park (Roy Bengis)
- Dilemmas in wildlife welfare: killing with kindness (Anna-Maria Passantino)
- Kudu harvesting: day or night? (L Hoffman)
- Historic highlights of veterinary medicine in the Kruger National Park (Roy Bengis)
- Wildlife involvement in transmission of zoonoses (Roy Bengis)
- Impact of wildlife farming (Herbert Schneider)
- Using wildlife as disease sentinels for livestock, other domestic species and humans – lessons learned from the detection of West Nile virus in the US (Michele Miller)
- Lessons learned from the shrinking world – Interface diseases between domestic animals and wildlife (Michele Miller)
- A systematic review of zoonoses at the interface of livestock and wildlife (Delia Grace)
- Spread of bovine TB in Kruger NP and implications for the GLTP (Peter Buss)
- Bovine tuberculosis: diagnostic challenges in wildlife and livestock (Vic Rutten)
- TB diagnostics in rhinoceroses (Darshana Morar)
- Diagnosis of bovine TB in lions: present and future (Miriam Maas)
- Investigating infectious diseases at the wildlife livestock interface in two protected areas in Botswana: Okavango Delta and Chobe National Park (Feran Jori)
- Management of TB in wild badgers (*Meles meles*) presented for rehabilitation in the UK (Elizabeth Mullineaux)
- Local assessment of *Trichinella* in walrus: a community-based program in food safety in Nunavik, Canada (Stéphane Lair)
- In the beginning – health control of game animals and its impact on veterinary public health (JL Bekker)
- Food safety and food security aspects of wild game meat harvesting (S Ramrajh)
- Laparoscopic sterilisation of the African lion (Marthinus Hartman)
- An epidemiological investigation of a Rift Valley fever outbreak in alpacas in the Western Cape province, South Africa (John Grewar)

POSTERS ON WILDLIFE TOPICS

- Effect of immunostimulant composed of LPS and Propionibacterium acnes on immunosuppressed Magellanic penguins (*Spheniscus magellanicus*) (Jessica Costa)
- Identification and molecular characterization of *Ehrlichia* and *Anaplasma* species of the African buffalo (*Syncerus caffer*) (Elizabeth Debeila)
- Human cercarial dermatitis and avian schistosomes in a wildlife refuge in Mazandaran Province, northern Iran (Fakhar Mahdi)
- Insulin resistance in spontaneously obese rhesus monkeys (Charon de Villiers)
- the effect of gonadotropin-releasing-hormones (GnRH) I & II on sperm functions in vitro of selected primates (Charon de Villiers)
- Epidemiology of salmonellosis in wild geckos in Vietnam (H Hayashidani)

Preliminary
programme on the website:
www.worldvetcongress2011.com



WILDLIFE TOURS AND SAFARIS

Please note: pre and post-congress tours do not depart from Cape Town.

5 Days – Kruger Park Safari

R8500pp sharing; R9900 single

An experienced local veterinarian will accompany these tours.

The tour departs from the Farm Inn, on the outskirts of Pretoria. To facilitate matters, it is recommended that delegates book accommodation at the Farm Inn for the night before the tour commences, as well as for the night after the tour. Transfers from OR Tambo International Airport (Johannesburg) to / from the Farm Inn can be arranged, on request.

Pre-congress tour: 4-8 October 2011

Post-congress tour: 16-20 October 2011



Day 1:

Depart from the Farm Inn, Pretoria. The drive to Kruger National Park takes us through the rolling grasslands of the Highveld (up to 2000 m above sea level), until we reach the mountainous Eastern Escarpment with its dramatic scenery & waterfalls. We descend to the region known as the Lowveld, an area rich in legend & history. The world-renowned Kruger National Park is on most tourists' "must-see" list and is one of South Africa's greatest natural assets. With its huge diversity of creatures, many of which are nocturnal, Kruger is unquestionably one of Africa's leading game reserves. The birdlife is prolific. Africa's famous "Big 5" (lion, leopard, rhinoceros, elephant & buffalo) were considered the most dangerous trophies to bag during the days when hunting was rife in Africa. Kruger has good aircon accommodation, restaurants, shops & an excellent

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infrastructure of roads & facilities. Visitors to Kruger can spend all day from dawn to sunset on the vast road network in search of animals, although most prefer to restrict game-viewing to a few hours during early morning & late afternoon, when the wildlife tends to be more active. Dinner in the camp restaurant overlooking the Sabie River, the haunt of hippos and crocodiles.

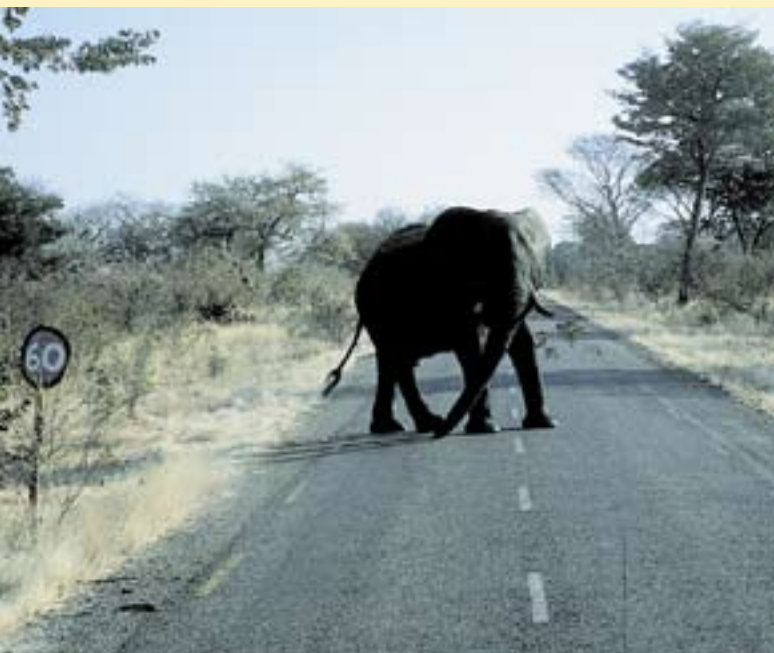
Overnight at Skukuza rest camp, headquarters of the Park (DB&B)

Day 2:

After an early-morning game-viewing drive, we return to Skukuza for a leisurely breakfast. Later that morning we visit the veterinary facilities at Skukuza, for a fascinating peek behind the scenes. Meet the vets involved in clinical wildlife work as well as disease surveillance. Early afternoon at leisure, to rest, visit the Park information centre or browse in the gift shop.

Late afternoon we depart on a sunset game drive in an open vehicle with one of the Park rangers, returning to camp after dark. Dinner in the camp restaurant.

Overnight at Skukuza rest camp (DB&B)



Day 3:

Early-morning game drive, which allows the option of a lie-in for those who need their sleep. Return to Skukuza for breakfast. We then head north towards the game-rich plains of the central areas of the Park, arriving at Satara camp in time for a late lunch. Late afternoon we depart on a sunset game drive in an open vehicle with one of the Park rangers, returning to camp after dark. Dinner at the camp restaurant.

Overnight at Satara, the favourite camp of many knowledgeable locals (DB&B)



Day 4:

Early-morning game drive followed by breakfast. The plains & river-beds in the immediate area of Satara are considered prime game-viewing area. Lion, hyaena, buffalo & cheetah are often spotted in the early mornings.

Late afternoon game-viewing drive. Optional: a sunset drive with one of the Park rangers, returning to camp after dark. Dinner in the camp restaurant.

Overnight at Satara (DB&B)

Day 5:

Enjoy a final early-morning game drive before we leave the Park for the drive of approx 6 hrs back to Pretoria, following a different route up the escarpment.



To register for these tours/safaris, please go to www.worldvetcongress2011.com click on **Tours: Pre & Post Congress**

WILDLIFE IMMOBILISATION COURSE

(Veterinarians only)
**COURSE DATES: 2–8 OCTOBER 2011 &
16–22 OCTOBER 2011**

World Veterinary Congress in South Africa offers veterinarians a unique, hands-on experience in wildlife immobilization. A course conducted by Dr Cobus Raath and other experienced wildlife vets will include elephant immobilization in the world-famous Kruger National Park.

Course content:

- Practical demonstrations and active participation in field work
- Applied physiology
- Pharmacological principles, from injection to recovery
- Current and new pharmacological preparations
- Equipment: darting with a wide range of projectors
- Basic principles of immobilisation
- Species-specific information
- Problems under anaesthesia
- Accidental human injection
- Confined-space darting
- Legal aspects of darting, keeping records and registers.

Course fee: ZAR11400 per person (VAT inclusive)

Fee includes:

- Taxes (14% VAT)
- Transfers from Kruger Mpumalanga International Airport (Nelspruit, South Africa) on the specified arrival and departure dates
- 6 nights accommodation (sharing) in Terra Luna Lodge situated 10km outside Nelspruit, South Africa. Surcharge of R2200 per person for single accommodation (space limited and dependent on availability)
- Breakfast, lunch & dinner
- All lectures & course notes
- Kruger National Park entrance fee

Fee excludes:

- Beverages during meals
- Flights to Kruger Mpumalanga International Airport, Nelspruit (Mbombela). (Daily flights between KMIA and Johannesburg/Cape Town offered by South African Airways and Kulula. Check websites for details: www.flysaa.com and www.kulula.com)
- Accompanying persons can register for accommodation and meals at a fee of R5000.00 per person but will not be allowed to attend any part of the presented courses and will be responsible for own programme/itinerary. Limited couple accommodation available (First come first served base.)

Note:

- Courses are CPD-accredited with the South African Veterinary Council; certificate of attendance issued
- Courses are restricted to 20 participants
- The organizers reserve the right to cancel a course, in the event of insufficient registrations.



To register for this course, please go to www.worldvetcongress2011.com click on **Wildlife Immobilisation Course.**

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