

INDEX, SUBJECT — INDEKS, ONDERWERP

Volume 80 · Jaargang 80 — 2009

No. 1 — March · Maart: 1–56

No. 2 — June · Junie: 57–140

No. 3 — September: 141–204

No. 4 — December · Desember: 205–286

1. Anaesthesiology

- Computer simulations of propofol infusions for total intravenous anaesthesia in dogs — K E Joubert 2
- Sedative and cardiopulmonary effects of acepromazine, midazolam, butorphanol, acepromazine-butorphanol and midazolam-butorphanol on propofol anaesthesia in goats — T B Dziki, G F Stegmann, L J Hellebrekers, R E J Auer and L N Dziki 10
- Cardiovascular effects of lumbar epidural anaesthesia in isoflurane-anaesthetised pigs during surgical removal of the liver — G F Stegmann 37
- Effects of lumbosacral epidural ketamine and lidocaine in xylazine-sedated cats — R DeRossi, A P Benites, J Z Ferreira, J M N Neto and L C Hermeto 79
- Preliminary assessment of the AAI Index® during isoflurane anaesthesia in dogs undergoing clinical procedures — K E Joubert 185
- Partial intravenous anaesthesia in 5 horses using ketamine, lidocaine, medetomidine and halothane — K Kruger and G F Stegmann 233
- A comparison of epidural anaesthesia with lignocaine, bupivacaine and a lignocaine-bupivacaine mixture in cats — F M Lawal and A Adetunji 243

2. Avian (poultry, ostriches and cage birds)

- Changes in weight gain, faecal oocyst count and packed cell volume of *Eimeria tenella*-infected broilers treated with a wild mushroom (*Ganoderma lucidum*) aqueous extract — A O Ogbé, S E Atawodi, P A Abdu, A Sannusi and A E Itodo 97
- Efficacy of a genotype 2 Newcastle disease vaccine (Avinew®) against challenge with highly virulent genotypes 5d and 3d — D G Bwala, C Abolnik, A van Wyk, E Cornelius and S P R Bisschop 174
- A survey of ectoparasites, cestodes and management of free-range indigenous chickens in rural Zimbabwe — S Mukaratirwa and T Hove 188

3. Bacterial, mycoplasmal and fungal diseases

- Trends in udder health and emerging mastitogenic pathogens in South African dairy herds — I-M Petzer, J Karzis, J C Watermeyer, T J van der Schans and R van Reenen 17
- Intramammary infection rate during the dry period in cows that received blanket dry cow therapy: efficacy of 6 different dry-cow intra-mammary antimicrobial products — I-M Petzer, D C Lourens, T J van der Schans, J C Watermeyer, R van Reenen, G H Rautenbach and P Thompson 23
- A serological survey of leptospirosis in cattle of rural communities in the province of KwaZulu-Natal, South Africa — U W Hesterberg, R Bagnall, B Bosch, K Perrett, R Horner and B Gummow 45
- Cooking and drying as effective mechanisms in limiting the zoonotic effect of *Mycobacterium bovis* in beef — M van der Merwe, J L Bekker, P van der Merwe and A L Michel 142
- Prevalence of clinical and subclinical mastitis and quality of milk on smallholder dairy farms in Tanzania — R H Mdegela, R Ryoba, E D Karimuribo, E J Phiri, T Løken, O Reksen, E Mtengeti and N A Urio 163
- Heartwater: an abridged historical account — J D Bezuidenhout 208
- 'Emerging' mycobacteria in South Africa — P D van Helden, S D C Parsons and N Gey van Pittius 210

4. Bovine

- Trends in udder health and emerging mastitogenic pathogens in South African dairy herds — I-M Petzer, J Karzis, J C Watermeyer, T J van der Schans and R van Reenen 17
- Intramammary infection rate during the dry period in cows that received blanket dry cow therapy: efficacy of 6 different dry-cow intra-mammary antimicrobial products — I-M Petzer, D C Lourens, T J van der Schans, J C Watermeyer, R van Reenen, G H Rautenbach and P Thompson 23
- A serological survey of leptospirosis in cattle of rural communities in the province of KwaZulu-Natal, South Africa — U W Hesterberg, R Bagnall, B Bosch, K Perrett, R Horner and B Gummow 45
- Economic assessment of the performance of trypanotolerant cattle breeds in a pastoral production system in Kenya — M W Maichomo, W O Kosura, J M Gathuma, G K Gitau, J M Ndung'u and S O Nyamwaro 157
- Prevalence of clinical and subclinical mastitis and quality of milk on smallholder dairy farms in Tanzania — R H Mdegela, R Ryoba, E D Karimuribo, E J Phiri, T Løken, O Reksen, E Mtengeti and N A Urio 163
- Inadequate thickness of the weight-bearing surface of claws in ruminants — A S Shakespeare 247
- Construction and insertion of oesophageal cannulae for use in domestic ruminants — D G Booyse, G Harmse and E A Boomker 270
- Evaluation of activated charcoal as treatment for Yellow tulip (*Moraea pallida*) poisoning in cattle — L D Snyman, R A Schultz, C J Botha, L Labuschagne and J P J Joubert 274

5. Canine

Computer simulations of propofol infusions for total intravenous anaesthesia in dogs — K E Joubert	2
Potential plant poisonings in dogs and cats in southern Africa — C J Botha and M-L Penrith	63
Comparison of <i>Babesia rossi</i> and <i>Babesia canis</i> isolates with emphasis on effects of vaccination with soluble parasite antigens: a review — T P M Schetters, K Moubri and B M Cooke	75
A retrospective investigation of canine adenovirus (CAV) infection in adult dogs in Turkey — S Gür and A Acar	84
C-reactive protein in canine babesiosis caused by <i>Babesia rossi</i> and its association with outcome — L S Köster, M van Schoor, A Goddard, P N Thompson, P T Matjila and M Kjelgaard-Hansen	87
Combination therapy using intratumoral bacillus Calmette-Guerin (BCG) and vincristine in dogs with transmissible venereal tumours: therapeutic efficacy and histological changes — S Mukaratirwa, S Chitanga, T Chimatira, C Makuleke, S T Sayi and E Bhebhe	92
Lymphoma in 3 related Rottweilers from a single household — R G Lobetti	103
Myotonia congenita in a Jack Russell terrier — R G Lobetti	106
The effects of firocoxib (Previcox) in geriatric dogs over a period of 90 days — K E Joubert	179
Preliminary assessment of the AAI Index® during isoflurane anaesthesia in dogs undergoing clinical procedures — K E Joubert	185
Urinary bladder botryoid rhabdomyosarcoma with widespread metastases in an 8-month-old Labrador cross dog — K Gerber and P Rees	199
The intravenous pharmacokinetics of diminazene in healthy dogs — V Naidoo, M S G Mulders and G E Swan	215
A retrospective study of chronic nasal disease in 75 dogs — R G Lobetti	224
Negative MRI findings in a case of degenerative myelopathy in a dog — M Okada, M Kitagawa, K Kanayama, H Yamamura and T Sakai	254
Large granular lymphocytic leukaemia complicated with histiocytic sarcoma in a dog — T Maruo, K Namikawa, A Kunihiro, J Lynch, T Shida and S Kishikawa	261

6. Caprine

Sedative and cardiopulmonary effects of acepromazine, midazolam, butorphanol, acepromazine-butorphanol and midazolam-butorphanol on propofol anaesthesia in goats — T B Dziki, G F Stegmann, L J Hellebrekers, R E J Auer and L N Dziki	10
Inadequate thickness of the weight-bearing surface of claws in ruminants — A S Shakespeare	247
Construction and insertion of oesophageal cannulae for use in domestic ruminants — D G Booyse, G Harmse and E A Boomker	270

7. Clinical pathology

C-reactive protein in canine babesiosis caused by <i>Babesia rossi</i> and its association with outcome — L S Köster, M van Schoor, A Goddard, P N Thompson, P T Matjila and M Kjelgaard-Hansen	87
---	----

8. Congenital conditions

Myotonia congenita in a Jack Russell terrier — R G Lobetti	106
--	-----

9. Economics/production

Economic assessment of the performance of trypanotolerant cattle breeds in a pastoral production system in Kenya — M W Maichomo, W O Kosura, J M Gathuma, G K Gitau, J M Ndung'u and S O Nyamwaro	157
---	-----

10. Education

A case-based, small-group cooperative learning course in preclinical veterinary science aimed at bridging basic science and clinical literacy — J P Schoeman, M van Schoor, L L van der Merwe and R A Meintjes	31
--	----

11. Epidemiology

A serological survey of leptospirosis in cattle of rural communities in the province of KwaZulu-Natal, South Africa — U W Hesterberg, R Bagnall, B Bosch, K Perrett, R Horner and B Gummow	45
The epidemiology of lion lentivirus infection among a population of free-ranging lions (<i>Panthera leo</i>) in the Kruger National Park, South Africa — H Adams, M van Vuuren, A-M Bosman, D Keet, J New and M Kennedy	151
Annual ryegrass toxicity in Thoroughbred horses in Ceres in the Western Cape Province, South Africa — J D Grewar, J G Allen and A J Guthrie	220

12. Equine

Nuchal crest avulsion fracture in 2 horses: a cause of headshaking — A Voigt, M N Saulez and C M Donnellan	111
After-hours equine emergency admissions at a university referral hospital (1998–2007): Causes and interventions — A Viljoen, M N Saulez, C M Donnellan, L Besten and B Gummow	169
Causes of gastrointestinal colic at an equine referral hospital in South Africa (1998–2007) — A Voigt, M N Saulez, C M Donnellan and B Gummow	192
Annual ryegrass toxicity in Thoroughbred horses in Ceres in the Western Cape Province, South Africa — J D Grewar, J G Allen and A J Guthrie	220
Partial intravenous anaesthesia in 5 horses using ketamine, lidocaine, medetomidine and halothane — K Kruger and G F Stegmann	233

Use of Ir ¹⁹² interstitial brachytherapy for an equine malignant dermal schwannoma — M N Saulez, A Voigt, J C A Steyl, E van Wilpe, J Kotzen, F Daniels	264
13. Feline	
Potential plant poisonings in dogs and cats in southern Africa — C J Botha and M-L Penrith	63
Effects of lumbosacral epidural ketamine and lidocaine in xylazine-sedated cats — R DeRossi, A P Benites, J Z Ferreira, J M N Neto and L C Hermeto	79
A comparison of epidural anaesthesia with lignocaine, bupivacaine and a lignocaine-bupivacaine mixture in cats — F M Lawal and A Adetunji	243
14. Food hygiene	
Residue depletion of colistin in swine after intramuscular administration — S S Tang, L J Gong, J K He, X Jin and X L Xiao ...	41
Cooking and drying as effective mechanisms in limiting the zoonotic effect of <i>Mycobacterium bovis</i> in beef — M van der Merwe, J L Bekker, P van der Merwe and A L Michel	142
Prevalence of clinical and subclinical mastitis and quality of milk on smallholder dairy farms in Tanzania — R H Mdegela, R Ryoba, E D Karimuribo, E J Phiri, T Løken, O Reksen, E Mtengeti and N A Urjo	163
An investigation of the quality of meat sold in Lesotho — T M Seeiso and C M E McCrindle	237
15. History	
Heartwater: an abridged historical account — J D Bezuidenhout	208
16. Immunology/vaccination	
Comparison of <i>Babesia rossi</i> and <i>Babesia canis</i> isolates with emphasis on effects of vaccination with soluble parasite antigens: a review — T P M Schetters, K Moubri and B M Cooke	75
Efficacy of a genotype 2 Newcastle disease vaccine (Avinew®) against challenge with highly virulent genotypes 5d and 3d — D G Bwala, C Abolnik, A van Wyk, E Cornelius and S P R Bisschop	174
17. Medicine	
Combination therapy using intratumoral bacillus Calmette-Guerin (BCG) and vincristine in dogs with transmissible venereal tumours: therapeutic efficacy and histological changes — S Mukaratirwa, S Chitanga, T Chimatira, C Makuleke, S T Sayi and E Bhebe	92
Changes in weight gain, faecal oocyst count and packed cell volume of <i>Eimeria tenella</i> -infected broilers treated with a wild mushroom (<i>Ganoderma lucidum</i>) aqueous extract — A O Ogbe, S E Atawodi, P A Abdu, A Sannusi and A E Itodo	97
Myotonia congenita in a Jack Russell terrier — R G Lobetti	106
After-hours equine emergency admissions at a university referral hospital (1998–2007): Causes and interventions — A Viljoen, M N Saulez, C M Donnellan, L Bester and B Gummow	169
The effects of firocoxib (Previcox) in geriatric dogs over a period of 90 days — K E Joubert	179
Causes of gastrointestinal colic at an equine referral hospital in South Africa (1998–2007) — A Voigt, M N Saulez, C M Donnellan and B Gummow	192
A retrospective study of chronic nasal disease in 75 dogs - R G Lobetti	224
Inadequate thickness of the weight-bearing surface of claws in ruminants — A S Shakespeare	247
Negative MRI findings in a case of degenerative myelopathy in a dog — M Okada, M Kitagawa, K Kanayama, H Yamamura and T Sakai	254
Large granular lymphocytic leukaemia complicated with histiocytic sarcoma in a dog — T Maruo, K Namikawa, A Kunihiro, J Lynch, T Shida and S Kishikawa	261
Use of Ir ¹⁹² interstitial brachytherapy for an equine malignant dermal schwannoma — M N Saulez, A Voigt, J C A Steyl, E. van Wilpe, J. Kotzen, F. Daniels	264
Evaluation of activated charcoal as treatment for Yellow tulip (<i>Moraea pallida</i>) poisoning in cattle — L D Snyman, R A Schultz, C J Botha, L Labuschagne and J P J Joubert	274
18. Neoplasia	
Combination therapy using intratumoral bacillus Calmette-Guerin (BCG) and vincristine in dogs with transmissible venereal tumours: therapeutic efficacy and histological changes — S Mukaratirwa, S Chitanga, T Chimatira, C Makuleke, S T Sayi and E Bhebe	92
Lymphoma in 3 related Rottweilers from a single household — R G Lobetti	103
Periaortic haemangiosarcoma in an African wild dog (<i>Lycan pictus</i>) — A Newell-Fugate and E Lane	108
Urinary bladder botryoid rhabdomyosarcoma with widespread metastases in an 8-month-old Labrador cross dog — K Gerber and P Rees	199
Use of Ir ¹⁹² interstitial brachytherapy for an equine malignant dermal schwannoma — M N Saulez, A Voigt, J C A Steyl, E van Wilpe, J Kotzen, F Daniels	264
19. Ovine	
Putative <i>Aspergillus niger</i> -induced oxalate nephrosis in sheep — C J Botha, M Truter, T Bredell, L Lange and M S G Mülders	50
Inadequate thickness of the weight-bearing surface of claws in ruminants — A S Shakespeare	247
Construction and insertion of oesophageal cannulae for use in domestic ruminants — D G Booyse, G Harmse and E A Boomker	270

20. Parasitology

- Post mortem identification of *Kalicephalus colubri colubri* (Nematoda: Diaphanocephalidae) in a captive Mole snake (*Pseudaspis cana*) in South Africa — K Junker, E P Lane, B Dlamini, A Kotze and J Boomker 54
- Changes in weight gain, faecal oocyst count and packed cell volume of *Eimeria tenella*-infected broilers treated with a wild mushroom (*Ganoderma lucidum*) aqueous extract — A O Ogbe, S E Atawodi, P A Abdu, A Sannusi and A E Itodo 97
- A survey of ectoparasites, cestodes and management of free-range indigenous chickens in rural Zimbabwe — S Mukaratirwa and T Hove 188
- Cysticercosis Working Group for Eastern and Southern Africa – 6th General Assembly — M.L. Penrith 206
- Hepatic capillariasis in a Cape ground squirrel (*Xerus inaurus*) — K H Erlwanger, B A De Witt, L G Fick, R S Hetem, L C R Meyer, D Mitchell, W A Wilson and B Mitchell 276

21. Pathology

- Combination therapy using intratumoral bacillus Calmette-Guerin (BCG) and vincristine in dogs with transmissible venereal tumours: therapeutic efficacy and histological changes — S Mukaratirwa, S Chitanga, T Chimatira, C Makuleke, S T Sayi and E Bhebhe 92
- Periaortic haemangiosarcoma in an African wild dog (*Lycan pictus*) — A Newell-Fugate and E Lane 108
- Urinary bladder botryoid rhabdomyosarcoma with widespread metastases in an 8-month-old Labrador cross dog — K Gerber and P Rees 199
- Detection of the bovine viral diarrhoea/mucosal disease (BVD/MD) virus in tissues from aborted ruminant fetuses using immunohistochemistry (IHC) — S M Njiro and C M Nkosi 229
- Large granular lymphocytic leukaemia complicated with histiocytic sarcoma in a dog — T Maruo, K Namikawa, A Kunihiro, J Lynch, T Shida and S Kishikawa 261
- Use of Ir¹⁹² interstitial brachytherapy for an equine malignant dermal schwannoma — M N Saulez, A Voigt, J C A Steyl, E van Wilpe, J Kotzen, F Daniels 264

22. Pharmacology

- Residue depletion of colistin in swine after intramuscular administration — S S Tang, L J Gong, J K He, X Jin and X L Xiao . . . 41
- Intramammary infection rate during the dry period in cows that received blanket dry cow therapy: efficacy of 6 different dry-cow intra-mammary antimicrobial products — I-M Petzer, D C Lourens, T J van der Schans, J C Watermeyer, R van Reenen, G H Rautenbach and P Thompson 23
- The effects of firocoxib (Previcox) in geriatric dogs over a period of 90 days — K E Joubert 179
- Combination therapy using intratumoral bacillus Calmette-Guerin (BCG) and vincristine in dogs with transmissible venereal tumours: therapeutic efficacy and histological changes — S Mukaratirwa, S Chitanga, T Chimatira, C Makuleke, S T Sayi and E Bhebhe 92
- The intravenous pharmacokinetic of diminazene in healthy dogs — V Naidoo, M S G Mulders and G E Swan 215
- Evaluation of activated charcoal as treatment for Yellow tulp (*Moraea pallida*) poisoning in cattle — L D Snyman, R A Schultz, C J Botha, L Labuschagne and J P J Joubert 274

23. Porcine

- Cardiovascular effects of lumbar epidural anaesthesia in isoflurane-anaesthetised pigs during surgical removal of the liver — G F Stegmann 37
- Residue depletion of colistin in swine after intramuscular administration — S S Tang, L J Gong, J K He, X Jin and X L Xiao . . . 41
- Review of African swine fever: transmission, spread and control — M-L Penrith and W Vosloo 58
- Cysticercosis Working Group for Eastern and Southern Africa – 6th General Assembly — M-L Penrith 206

24. Protozoal diseases

- Comparison of *Babesia rossi* and *Babesia canis* isolates with emphasis on effects of vaccination with soluble parasite antigens: a review — T P M Schetters, K Moubri and B M Cooke 75
- C-reactive protein in canine babesiosis caused by *Babesia rossi* and its association with outcome — L S Köster, M van Schoor, A Goddard, P N Thompson, P T Matjila and M Kjelgaard-Hansen 87
- Changes in weight gain, faecal oocyst count and packed cell volume of *Eimeria tenella*-infected broilers treated with a wild mushroom (*Ganoderma lucidum*) aqueous extract — A O Ogbe, S E Atawodi, P A Abdu, A Sannusi and A E Itodo 97
- Economic assessment of the performance of trypanotolerant cattle breeds in a pastoral production system in Kenya — M W Maichomo, W O Kosura, J M Gathuma, G K Gitau, J M Ndung'u and S O Nyamwaro 157
- Putative clinical piroplasmiasis in a Burchell's zebra (*Equus quagga burchelli*) — F Lampen R, Bhoora, N E Collins and B L Penzhorn 257

25. Reproduction

- Assessment of viability and acrosomal status of Asian elephant (*Elephas maximus*) sperm after treatment with calcium ionophore and heparin — M Sa-ardrit, N Thongtip, K Kornkaewrat, T Faisaikarm, Y Kitiyanant, S Mahasawangkul, A Pinyopummin and K Saikhun 146

26. Surgery

- Nuchal crest avulsion fracture in 2 horses: a cause of headshaking — A Voigt, M N Saulez and C M Donnellan 111
- After-hours equine emergency admissions at a university referral hospital (1998–2007): Causes and interventions — A Viljoen, M N Saulez, C M Donnellan, L Bester and B Gummow 169

Construction and insertion of oesophageal cannulae for use in domestic ruminants — D G Booyse, G Harmse and E A Boomker	270
27. Toxicology	
Putative <i>Aspergillus niger</i> -induced oxalate nephrosis in sheep — C J Botha, M Truter, T Bredell, L Lange and M S G Mülders	50
Potential plant poisonings in dogs and cats in southern Africa — C J Botha and M-L Penrith	63
Annual ryegrass toxicity in Thoroughbred horses in Ceres in the Western Cape Province, South Africa — J D Grewar, J G Allen and A J Guthrie	220
Evaluation of activated charcoal as treatment for Yellow tulp (<i>Moraea pallida</i>) poisoning in cattle — L D Snyman, R A Schultz, C J Botha, L Labuschagne and J P J Joubert	274
28. Viral diseases	
Review of African swine fever: transmission, spread and control — M-L Penrith and W Vosloo	58
A retrospective investigation of canine adenovirus (CAV) infection in adult dogs in Turkey — S Gür and A Acar	84
The epidemiology of lion lentivirus infection among a population of free-ranging lions (<i>Panthera leo</i>) in the Kruger National Park, South Africa — H Adams, M van Vuuren, A-M Bosman, D Keet, J New and M Kennedy	151
Efficacy of a genotype 2 Newcastle disease vaccine (Avinew®) against challenge with highly virulent genotypes 5d and 3d — D G Bwala, C Abolnik, A van Wyk, E Cornelius and S P R Bisschop	174
Detection of the bovine viral diarrhoea/mucosal disease (BVD/MD) virus in tissues from aborted ruminant foetuses using immunohistochemistry (IHC) — S M Njiro and C M Nkosi	229
29. Wildlife/exotic/laboratory animals	
Post mortem identification of <i>Kalicephalus colubri colubri</i> (Nematoda: Diaphanocephalidae) in a captive Mole snake (<i>Pseudaspis cana</i>) in South Africa — K Junker, E P Lane, B Dlamini, A Kotze and J Boomker	54
Periaortic haemangiosarcoma in an African wild dog (<i>Lycan pictus</i>) — A Newell-Fugate and E Lane	108
Assessment of viability and acrosomal status of Asian elephant (<i>Elephas maximus</i>) sperm after treatment with calcium ionophore and heparin — M Sa-ardrit, N Thongtip, K Kornkaewrat, T Faisaikarm, Y Kitiyanant, S Mahasawangkul, A Pinyopummin and K Saikhun	146
The epidemiology of lion lentivirus infection among a population of free-ranging lions (<i>Panthera leo</i>) in the Kruger National Park, South Africa — H Adams, M van Vuuren, A-M Bosman, D Keet, J New and M Kennedy	151
Putative clinical piroplasmiasis in a Burchell's zebra (<i>Equus quagga burchelli</i>) — F Lampen R, Bhoora, N E Collins and B L Penzhorn	257
Hepatic capillariasis in a Cape ground squirrel (<i>Xerus inaurus</i>) — K H Erlwanger, B A De Witt, L G Fick, R S Hetem, L C R Meyer, D Mitchell, W A Wilson and B Mitchell	276
30. Zoonosis	
Cooking and drying as effective mechanisms in limiting the zoonotic effect of <i>Mycobacterium bovis</i> in beef — M van der Merwe, J L Bekker, P van der Merwe and A L Michel	142
'Emerging' mycobacteria in South Africa — P D van Helden, S D C Parsons and N Gey van Pittius	210
31. Book reviews	
Atlas of small animal dermatology — H Schroeder	22
SOS dog – The purebred dog hobby re-examined — Reviewed by Q Sonntag	102
Onderstepoort 1908–2008 — Reviewed by B L Penzhorn	114
32. Conference Abstracts	
Parasitological Society of Southern Africa — 36th Annual Congress, 18–20 September 2007	115
Parasitological Society of Southern Africa — 37th Annual Congress, 7–9 October 2008	126
Parasitological Society of Southern Africa – 2007 Abstracts	
Abstracts of papers and posters presented at the 36th Annual Congress of the Parasitological Society of Southern Africa (PARSA), 18–20 September 2007, Pestana Kruger Lodge, Malelane, South Africa	
Keynote Addresses	115
Understanding the role of gametocytes in the transmission of malaria and spread of antimalarial resistance	115
Comparison of <i>Babesia rossi</i> and <i>Babesia canis</i> isolates with emphasis on effects of vaccination with soluble parasite antigens	115
Genes and health: The role of immune gene variability (MHC) in parasite resistance in fragmented animal populations	115
Oral Presentations	115
Monogenea parasitising marine fishes in the Tsitsikamma National Park on the South Coast of South Africa	115
Characterisation of South African <i>Theileria equi</i> and <i>Babesia caballi</i> isolates based on 18S rRNA gene sequences	116
Malaria in the concrete jungle	116
The use of multimedia in teaching veterinary helminthology	116
Prevalence of blood parasites in lions in Southern Africa	116
Mantoscaphidians (Ciliophora: Peritrichia) of gastropods in a marine environment	116
The ultrastructure of a louse found parasitising the European bee-eater <i>Merops apiaster</i>	117
Malaria Decision Support System Project	117
Using GIS to understand malaria clusters	117

Taxonomic review of the genus <i>Eupolystoma</i> (Monogenea: Polystomatidae)	117
Copper oxide wire particles in control of <i>Haemonchus contortus</i> in naturally infected sheep in Kenya	118
The micromorphology of the cattle tail louse <i>Haematopinus quadripertusus</i>	118
A SEM study of the adult <i>Varroa jacobsoni</i> mite from honey bees	118
Trichodinid ectoparasites of Anuran larvae	118
The composition of the helminth fauna of helmeted guineafowls, <i>Numida meleagris</i> , from the Limpopo Province, South Africa	119
Holy cows and sacred beetles – Sustainable parasite management on cattle farms	119
Integrated control of ticks (Ixodidae) and tsetse flies (Glossinidae) in sub-Saharan Africa	119
An overview of the Oxpecker Translocation Project of the EWT Wildlife Conflict Prevention Group	119
A monogenean parasitising <i>Pseudocrenilabrus philander philander</i> collected from the Padda Dam	119
Detection of a <i>Theileria</i> sp. isolated from dogs in South Africa	120
Patterns of ectoparasite aggregation in the 4-striped mouse, <i>Rhabdomys pumilio</i>	120
Monogenean species of <i>Quadriacanthus</i> Paperna, 1961 (Monogenea) on the gills of the sharptooth and blunttooth catfish from the Okavango Delta, Botswana	120
Digenetic parasites from <i>Lymnaea natalensis</i> sheddings from the Tshwane area	120
Virulence in mice of <i>Trypanosoma congolense</i> stocks obtained from buffaloes at Hluhluwe-Imfolozi game reserve in KwaZulu-Natal, South Africa	121
The animal health industry and our environmental responsibility	121
The isolation and characterisation of a <i>Babesia bovis</i> stock from outbreaks on a farm in KwaZulu-Natal, South Africa	121
Tick, fly, and mosquito control – lessons from the past, solutions for the future	121
Pentastomid infection in fish intermediate hosts	121
A review of <i>Myxobolus</i> species (Myxosporea) on African <i>Hydrocynus</i> species	122
An overview of the Endangered Wildlife Trust's Wildlife Conflict Prevention Group	122
Poster Abstracts	122
Efficacy of 3 anthelmintics in communally grazed sheep as reflected by faecal egg counts in a semi-arid area of South Africa	122
<i>Theileria</i> species infection in the Cape buffalo (<i>Syncerus caffer</i>) in 2 game parks in South Africa	122
The evaluation of Avotan® Pour-on (0.5 % m/v abamectin formulation) against nematode and ixodid infestations in cattle ..	122
Southern African marine fish siphonostomatoids	123
Dynamics of host–parasite associations between dung beetles and the dog nematode <i>Spirocerca lupi</i>	123
The micromorphology of the warthog flea <i>Echidnophaga larina</i>	123
Gyrodactyliasis – a cause for concern?	123
Skin and gill parasites of <i>Oreochromis mossambicus</i> and <i>Tilapia sparrmanii</i>	124
Metazoan parasites and health of <i>Clarias gariepinus</i> from Nwanedi-Luphephe Dams – preliminary results	124
Diversity of myxosporeans from 2 fish species in the Okavango Delta, Botswana	124
Characterisation of South African <i>Theileria parva</i> isolates by PCR-RFLP analysis of the parasite antigen gene, polymorphic immunodominant molecule (PIM)	124
The geographic distribution and a taxonomic description of ticks in the Free State Province	125
Anthelmintic efficacy of copper oxide wire particles against artificial <i>Haemonchus contortus</i> infections in indigenous Zulu goats	125

Parasitological Society of Southern Africa – 2008 Abstracts

Abstracts of papers and posters presented at the 37th Annual Congress of the Parasitological Society of Southern Africa (PARSA), 7–9 October 2008, Faculty of Veterinary Science, University of Pretoria, Pretoria, South Africa

Keynote Addresses	126
Climatic change over South Africa: Projections and perceptions	126
Is <i>Plasmodium knowlesi</i> the 5th human malaria parasite?	126
Oral Presentations	126
Development of a quantitative real-time PCR assay for the detection of <i>Babesia caballi</i> infections in equids	126
Identification of <i>Theileria mutans</i> genotypes from African buffalo using 18S rRNA gene sequence analysis	126
Abalone tubercle mycosis an emerging disease in the South African abalone industry	127
The velvet assassins – <i>Amyloodinium ocellatum</i> potential disease risk for captive marine fishes in South Africa	127
The ultrastructure and possible function of the spiracle in ticks	127
Blood dietary factors that may influence the survival and production in tsetse flies colonies	127
Metal accumulation analysis within tissue of <i>Bothriocephalus acheilognathi</i>	127
Effect of deworming on EPI programmes	128
Parasites and diseases of amphibians: Should we be concerned about Madagascar?	128
Study of an ectoparasitic crustacean from Malaysia with light and electronmicroscopy	128
The functional microstructure of the cabbage alaphid <i>Brevicoryne brassicae</i> (L.)	128
The biodiversity, systematics and ecology of fish parasitic gnathiid isopods from the East Coast of South Africa	129
Infections and mortalities induced by <i>Metarhizium anisopliae</i> in various developmental stages of the red-legged tick <i>Rhipicephalus evertsi evertsi</i> using 2 formulations	129
Comparative features of <i>Argas walkerae</i> and <i>Argas persicus</i> using scanning electron- and light microscopy	129

An egg-laying rhythm in <i>Diplectanum oliveri</i> (Monogenea: Diplectanidae), a gill parasite of dusky kob (<i>Argyrosomus japonicus</i>)	129
Control of the major malaria vector <i>Anopheles gambiae</i> displaying resistance to multiple insecticides in Ghana	129
Is the <i>Culicoides</i> fauna changing? Port Elizabeth as a case study	130
Seasonal distribution of <i>Culicoides</i> spp. on 2 farms in the Western Cape Province	130
Epidemiology of animal trypanosomosis in northern KwaZulu-Natal 2005–2007	130
Aspects of the ecology of <i>Cichlidogyrus philander</i> collected in the Padda Dam from <i>Pseudocrenilabrus philander philander</i>	130
Infection of <i>Anopheles</i> species with the rodent malaria parasite <i>Plasmodium berghei</i>	131
The 1st adult gryporhynchid cestode from freshwater fish	131
Molecular detection of trypanosomes infecting cattle, wild animals and tsetse flies in KwaZulu-Natal, South Africa	131
Risk analysis of potential transmission and implications of exotic <i>Gyrodactylus</i> spp. on cultured and wild cyprinids in the Western Cape	131
Implication of trypanosome strains diversity in the epidemiology of bovine trypanosomosis	132
Monogenean parasites of largemouth bass <i>Micropterus salmoides</i> (Lacepede, 1802) in Tzaneen Dam	132
Aspects of the biology and biogeography of chelonian polystomes	132
Vector competence of field and colony <i>Glossina austeni</i> and <i>Glossina brevipalpis</i> for trypanosome species in KwaZulu-Natal	132
Monitoring performance in South African parasitology proficiency testing programmes, 2003–2007	133
Development of a TaqMan PCR for the detection of <i>Theileria parva</i> in South Africa	133
The anthelmintic efficacy of copper oxide wire particles (COWP) against <i>Haemonchus contortus</i> in communally grazed indigenous goats in KwaZulu-Natal, South Africa	133
Ticks of livestock in the North West Province of South Africa	134
The effect of starvation on the fish ectoparasite <i>Dolops ranarum</i> (Crustacea: Branchiura)	134
Software on-farm decision support systems required for sustainable anthelmintic efficacy	134
South African Hexabothriidae: History, public aquarium importance, challenges, and the way forward	134
Comparison of 4 light traps for the collection of <i>Culicoides</i> species (Diptera, Ceratopogonidae) under South African conditions	135
Comparison of insecticide resistance in larval and adult life-stages between 3 strains of the malaria vector, <i>Anopheles funestus</i>	135
Poster Abstracts	135
Ecological parameters of an unidentified <i>Diplozoon</i> sp. on the bushveld smallscale yellowfish, <i>Labeobarbus polylepis</i> (Boulenger, 1907)	135
Preliminary studies on oviposition site preferences of <i>Culicoides imicola</i> (Diptera: Ceratopogonidae)	135
A novel <i>Babesia</i> sp. found in cheetahs (<i>Acinonyx jubatus</i>) in South Africa	135
The ultrastructure of the mange mite <i>Psoroptes ptenaari</i> (Fain, 1970) occurring on the African buffalo <i>Syncerus caffer</i>	136
The relevance of <i>Glossina austeni</i> and <i>Glossina brevipalpis</i> (Diptera, Glossinidae) colonies for tsetse fly research and management in South Africa	136
The evaluation of the susceptibility of <i>Trypanosoma congolense</i> isolates collected from cattle and buffalo in KwaZulu-Natal to isometamidium chloride and diminazene aceturate	136
A new <i>Gnathia</i> sp. (Crustacea: Isopoda: Gnathiidae) from Lizard Island, Great Barrier Reef, Australia	136
The micromorphology of the <i>Menacanthus</i> body lice collected from a partridge	137
Gertrud Theiler Tick Museum, Onderstepoort Veterinary Institute, South Africa	137
Spatial distribution of blackfly (Diptera: Simuliidae) challenge for livestock farmers along the Vaal River, South Africa	137
Preliminary survey of the presence of intestinal <i>Eimeria</i> spp. in domestic bovines, ovines and caprines from selected sites in South Africa	137
A review of zoonotic importance of leishmaniosis: Significance of diagnosis in South Africa	138
The insect reference collection at the ARC-OVI	138
Metazoan parasites of <i>Micralestes acutidens</i> from the Limpopo River drainage system, South Africa	138
An endoparasitic monogenean from <i>Oreochromis mossambicus</i>	138
Monogeneans of some fish species in the Luphephe-Nwanedi Dam, South Africa	139
The African clawed frog (<i>Xenopus laevis</i>): a haven for parasites	139
Development of a duplex real-time RT-PCR for detection and identification of BTV and AHSV	139
<i>Cichlidogyrus</i> spp. Paperna, 1960 on the gills of <i>Tilapia rendalli</i> from the Okavango Delta, Botswana	139
Digenetic trematodes of marine fish in the Tsitsikamma National Park	139
An update of the bovine trypanosomosis situation at the edge of Hluhluwe-Imfolozi Park, KwaZulu-Natal Province, South Africa	140
Myxosporean parasites infecting Okavango catfishes	140
Identification of a small <i>Babesia</i> species found in a dog imported from Taiwan	140
<i>Theileria</i> -infected cell line from an African buffalo (<i>Syncerus caffer</i>)	140