Streams

1. Surgery (4 days)
   - Soft tissue surgery
   - Orthopaedic surgery
   - Dentistry (Gerhard Steenkamp)
2. Medicine (4 days)
   - Feline medicine
   - Cardio-respiratory medicine and surgery (Dan Ohad)
   - Gastro-enterology (Joerg Steiner)
   - Oncology (Rowan Milner/Anthony Zambelli)
   - Infectious and emerging diseases
   - Critical care and emergency medicine (Kenneth Joubert)
   - Clinical pharmacology and toxicology (Kenneth Joubert)
3. Ophthalmology (1 day) (Anthony Goodhead)
4. Neurology (Wayne Berry/Jacques Penderis)
5. Dermatology (1 day)
6. Alternative medicine, homeopathy and acupuncture (1-2 days)
7. Practice management (1-2 days)
8. Exotic animal's medicine and surgery (2-3 days) (Dorianne Berry)
9. Diagnostic Imaging (2-3 days)
10. Reproduction, paediatrics, Hereditary Diseases (2 days)
11. Behaviour (1-2 days) (Quixie Sonntag)
12. Animal Welfare (1 day)
13. Veterinary nurses/technicians (3 days)
14. Research abstracts (1-3 day)

Proposed Program Ideas

**Pain Management**

Focused theme session – entire morning and afternoon session – One day
General Pain session covering wide variety of topics – ½ day
(To be organized in conjunction with Prof Steagall from Guelph as per email)

**ICU**

**Trauma & Triage**

Triage and initial evaluation of the trauma patient – Ken Drobatz
The use of scoring systems and outcomes – Karol Matthews
An update on CCPR – Erik Hofmeister
Emergency treatment of the patient with brain injury – Sande Allison
Emergency treatment of the patient in cardiac failure/pulmonary oedema - ??
What is Damage control surgery and how to practice it – Need a surgeon
When is a patient stable enough for surgery?

**Endocrine in Critical Illness**

Endocrine changes and prognosticators in critical illness – Johann Schoeman
Evidence-based glucocorticoid treatment in critical illness – Johann Schoeman
Endocrine changes in specific diseases (trauma, snakebites, Bite wounds) – Johann Schoeman and Students

**Fluid Therapy**

Colloids versus Crystalloid Therapy – Rebecca Kirby / Kenneth Joubert / Ninette Keller
How do Blood transfusion influence outcome of patients?
Intravenous Fluid Devices – Soren Boysen
Fluid cocktails for specific disease – Mirinda Nel
Goal Directed Therapy – Determining Fluid Responsiveness – Kenneth Joubert
Coagulation
Pathophysiology of DIC – Cindy Otto / Ben Brainyard
How to practically Evaluate DIC at the Bedside and Treatment – Ben Brainyard / Sean Batemann

Cardiology in the ICU
Which Arrhythmias to worry about and when to treat - ??
How to manage Blood Pressure - ??

Nutrition in ICU
What to feed and when? - ??
(I would like to look at some specific disease – so parvo/GIT – Trauma patients – Sepsis so this would be two lectures at least)

Oncology Crisis
When things go wrong with chemotherapy and radiation – what to do – Anthony Zambelli

ARDS and Ventilation
Pathophysiology of ARDs – Cindy Otto and Husband
Ventilation of ARDs - Cindy Otto and Husband
Ventilation for the non-pulmonary patient

Toxicities and House Hold Poisoning
What to do when animals consume owners recreational drugs
House hold poisoning – Ninette Keller (possible two lectures with two speakers)

Antibiotics & Bacteria
Nosocomial Infections – How do we prevent them?
Targeted antimicrobial therapy
Developments of super bugs – What can we do to save our antibiotics
Jerome Schentag / Joseph Blondeau / Marjke Henton / Dawn Boothe

General Interest
Looking after rescue dogs – Cindy Otto

Anaesthesiology
The Pharmacology of CRI and TIVA – Kenneth Joubert
Clinical application of TIVA – Brighton Dzikiti / Bruno Pypendorp
The Use of Alphaxon for TIVA – Kirby Poleska
The use of magnesium in anaesthesia – Eva Rioroa Garcia

Other Topics Suggested
Immunology and its relation to IBD, Atopy, Asthma, etc
Proposed by Ninette Keller - I see two lectures here – 1 pathophysiology of immunology related to these conditions and 1 translating this to therapy.

Neurology (Wayne Berry)
Paresis, Paralysis and Spinal pain.
Presentation includes presenting signs, diagnosis and treatment of numerous cervical and thoracolumbar diseases resulting in paresis, paralysis or just spinal pain. Video case material. MRI, Radiographic and Myelographic images.

Disorders of Balance
Vestibular vs Cerebellar Ataxia
Understanding the basic neurological pathways such that practitioners can explain to owners what is required in order to confirm a diagnosis. Tips on what to look for in dogs and cats to shorten the differential list. Video case material, MR images.

Disc disease – what makes it a surgical disease?

Intervertebral Disc Disease – Medical vs. Surgical therapy?

Many owners cannot appreciate why surgery is required for ruptured discs when they have been diagnosed with a “slipped disc” and do not require surgery. This presentation explains the difference between disc disease in dogs vs. man such that practitioners can explain why they are referring the paretic/paraplegic dog to a surgeon or neurosurgeon. Video case material and surgical photographic slide presentation.

Syringomyelia – how to recognize the signs before the owner beats you to the diagnosis.

The Chiari-Syringomyelia Saga of Cavalier King Charles Spaniels.

Foramen magnum decompression and titanium cranioplasty for Chiari-Syringomyelia.

Simplified description of the pathophysiology of syringomyelia to allow the practitioner to explain the mechanism of disease to clients. Diagnosis and therapy (medical and surgical). Video case material showing signs, slides of MRI changes, medical therapy and photographs to explain the surgical treatment.

Cervical Pain – What imaging modality? MRI vs. Myelography

Presenting signs, diagnostic results and therapy for numerous cervical spinal disorders. Video case material. MRI, radiographic and myelographic images.

Tumors of the CNS – not necessarily a death sentence.

Neurological signs, diagnostic imaging results and therapy. Video case material pre and post therapy.

Assessing Cervical Pain – what should be considered?

Presentation includes Disc disease, Steroid responsive meningitis, Intracranial disease, Inflammatory brain disease, FCE, Immune-mediated polyarthritis, Cervical stenotic myelopathy, AA-luxation, Syringomyelia with video case material, imaging results and therapy.

Combination Anti-epileptic therapy – what our patients have taught us.

What textbooks don’t teach us - experiences of achieving control of refractory epilepsy. Minimal video material – mostly text slides.

Seizures – Controlling the refractory epileptic.

Diagnostic investigation required to exclude extra-cranial and intracranial causes of seizures. Therapeutic approach to optimize seizure control. Video and MR images.

Common canine brain tumors – diagnosis and therapy.

MRI characteristics and clinical tips to help differentiate between the common brain tumors of dogs. Therapeutic options, complications, expectations.

Brain and spinal trauma

Pathophysiology and management of brain and spinal cord trauma. Word slides, MR images.

Spinal MRI vs. CT vs. Myelography – when and why we choose a specific modality.

Presentation explaining the pros and cons for each modality using case material to illustrate both the good and bad decisions. The diagnosis and therapy of numerous spinal conditions are illustrated with slide images and videos.

Neuro vs. Ortho – differentiating between the two.

Orthopedic Disease Mimicking Neurological Conditions.

Is it Ortho or Neuro?

Different titles for the same presentation highlighting the many similarities and teaching tips to help differentiate between orthopedic lameness that may mimic spinal disease. Video case material with diagnostic results and therapy.

Cervical myelopathies of chondrodystrophic dogs.

Differential diagnoses of cervical myelopathies, including the diagnosis and treatment. Video and photographic slide presentation.
Cervical myelopathies of non-chondrodystrophic dogs.
Differential diagnoses of cervical myelopathies, including the diagnosis and treatment. Video and photographic slide presentation.

Diagnosis and treatment of thoracolumbar disease.
Radiography-myelography, MRI and CT modalities for confirming a diagnosis. Medical vs. surgical therapy. Video and photographic presentation.

Diagnosis and treatment of spinal subarachnoid cysts.
Presenting signs and diagnosis of spinal subarachnoid cysts, presented with video clips showing the neurological signs and photographic details of the surgical therapy.

Transfrontal combined with rostroventromedial Craniotomy – improving the aesthetics.
A photographic presentation of the surgical procedure of combining two craniotomies and ensuring a good aesthetic result.

Physical rehabilitation for the spinal patient.
A video presentation of common rehabilitation techniques to assist patient recovery from spinal injury.

Multilobular Tumor of Bone – the iceberg phenomenon
Presentation using photographic slides of MR images to explain what lies beneath the usually small boney protuberance visualized. Surgical treatment is depicted with photographs.

Spinal fracture management
Simple advice on handling a patient with a suspected spinal fracture, confirming a diagnosis, and surgical stabilization, in a manner limiting/preventing further spinal injury.

Dorsal laminectomy for the treatment of Cervical Stenotic Myelopathy.
Ventriculoperitoneal shunting for the treatment of Hydrocephalus.
Discussion of causes of hydrocephalus, including MR images. Photographic slides and video to demonstrate/explain the ventriculoperitoneal shunt procedure.

Intracranial Arachnoid Cysts – Cystoperitoneal Shunt Treatment
Intracranial Arachnoid Cysts – incidental finding or clinically relevant?
Presentations focus on the clinical signs attributed to intracranial cysts, MRI diagnosis, medical and surgical therapy – marsupialization vs. cystoperitoneal shunting. Photographic slides of the surgical placement of the shunt.

Video presentation of the clinical signs. Slides of radiographic, myelographic and MRI characteristics. Surgical vs. non-surgical treatment.

Vertebral plasmacytoma – diagnosis and therapy.
Diagnostic investigation. MRI characteristics, medical and surgical treatment.

Inflammatory Brain Disease – diagnosis and therapy.
Necrotizing Encephalitis – diagnosis and therapy.
Granulomatous Encephalitis – diagnosis and therapy.
Presentations deal with the breeds at risk, clinical signs, confirming a diagnosis and therapy.

Diagnostic Approach to the Seizure Patient.
This presentation deals with the extra-cranial and intra-cranial diagnostic testing to arrive at a diagnosis such that the most effective therapy can be applied.

Explaining seizure management to clients without appearing an idiot!
A simplified approach to explaining a complex syndrome – how and why their pet could be seizing. Similar presentation to the diagnostic approach to seizures.

Lumbosacral Stenosis – diagnosis and treatment
Lumbosacral Disc Disease – differentiation from orthopedic disease
Cauda Equina Syndrome – what differentiates it from orthopedic disease
Slide and video presentations showing the clinical signs and tips for differentiating the syndrome from an orthopedic condition. Confirming the
suspicion (diagnostics including radiography, CT and MRI characteristics).
Medical and surgical therapy – the latter involving decompression with and
without distraction/stabilization.
Degenerative Myelopathy – still a diagnosis of exclusion.
Presentation explains the implications of genetic testing.
Neuromuscular disease – is there a simplified way to a diagnosis?
Differentiating neuromuscular from spinal disease.
Common causes of exercise intolerance
Myasthenia Gravis – recognizing the signs and treatment.
These presentations are variations on the theme of identifying neuromuscular
disease, confirming the diagnosis and applying known therapy.

Neurology (Jacques Penderis)
Spinal disease (not really the surgery, unless you wanted that covered, more the
approach to spinal cases and how to investigate them with a discussion of the major
diseases):
- Where is the lesion? Localising spinal lesions.
- Approach to the dog with spinal pain. (This lecture really covers the causes of
  spinal pain that may or may not also have additional neurological deficits).
- Acute non-progressive paralysis in dogs and cats.
- Progressive ataxia or paralysis in dogs and cats.
- Managing the recumbent spinal patient.

Seizures:
- The diagnostic approach to the dog with seizures.
- Maintenance and emergency management of seizures in dogs.
- Feline Epilepsy.

Brain diseases:
- Localisation of intracranial lesions.
- Common cranial nerve disorders in dogs.
- Head tilt and ataxia: vestibular disease in dogs and cats.
- Brain disease causing reduced or altered consciousness.

Cardiology (Dan Ohad)
1. Cardiovascular physical examination revisited: can it actually help me make a final
diagnosis rather than merely suspect “some” heart disease?
2. Sedation and general anesthesia for the cardiovascular patient.
3. Practical approach to cardiovascular emergencies, including brady-arrhythmia,
tachy-arrhythmia, acute left-sided congestive heart failure, and cardiac tamponade.
4. Differentiating between ventricular premature complexes, ventricular escape
complexes, and bundle branch blocks: is this really important or is it merely
“academic”? 
5. Pimobendan: mechanisms of action, indications and contraindications for its use as
an adjunct agent for the management of small animal heart disease: a “silver bullet”,
or a transient fashion?
6. NTproBNP: How can it help distinguish between cardiogenic pulmonary edema
and respiratory disease related tachypnea/dyspnea at my own practice?

Alain Carter
1. Experiences with low field MRI in practice (A Carter)
2. Correlating MRI findings to surgically removed masses.(A. Carter)
3. Surgical brain tumour removal (C Du Plessis)
4. Anaesthesia for brain surgery (K Joubert)
5. Pericardial effusions
6. Syrinxomyelia in CKCS in South Africa

Liza Koster
End points of resuscitation in septic shock
Biliary mucocoele and EHBO
Pulmonary hypertension
Prognosticators in babesiosis
Endocrinological emergencies
Managing pleural effusions from diagnosis to the OR

Bianca Hettlich
- Atlantoaxial instability - a practical approach to diagnosis and treatment
- Spinal and peripheral nervous tissue neoplasia
- Disk extrusion - what to do with the down Dachshund?
- Patellar luxation - the good, the bad and the ugly
- Management of open fractures
- The enigma of forelimb lameness in the large breed dog

Phil Rees
1. Hypoglycaemia, a practical approach
2. Canine Cushing’s disease: what’s new?
3. Case Studies in Urinary Tract Disease
4. Case Studies in Cardiac Diseases

Dave Miller
1. The Itchy dog - a step wise approach [this can be a 40 min or 80 min talk]
2. Urinary Incontinence
   - I could do this as a 2 part talk with a surgeon, I discuss the medical work up and therapy and they do the surgery side and the new hydraulic constrictors
3. Brachycephalic airways syndrome [medical and surgical management]
   - I would like to do this as a 2 part talk with a surgeon, I discuss the medical work up and therapy and they do the surgery side
4. N-oesophageal, oesophagostomy and gastrostomy tube feeding - Indication and How to
5. Pain Control - I have given Kenneth a lot of ideas here [he also asked for ideas]
6. Diagnostic Blood pressure measurement [Includes Feline hypertension therapy]
7. What a physician would like to see on a feline abdominal u/s scan

Amelia Goddard
1. The risk of thrombosis in veterinary patients
2. The role of platelets in haemostasis and immunobiology
3. Anaemia: Utilising your haematology results
4. Interpretation of laboratory results when diagnosing liver disease
5. Interpreting cytological results of the respiratory tract

Gastro-enterology
Jörg Steiner, College Station, TX, USA
- Chronic pancreatitis – more common than you think
- Exocrine pancreatic insufficiency in cats
- What's your diagnosis (interactive case sessions with David Twedt); 2 hours

Caroline Mansfield, Melbourne, Australia
- Updates in therapy of acute pancreatitis
- Triatitis in cats – does it exist?

Jonathan Lidbury, College Station, TX
- Hepatic encephalopathy
- Chronic hepatitis in dogs

Stan Marks, UC, Davis, CA, USA
- Clostridial diseases in small animals
- Megaesophagus, diagnosis, assessment, and therapy

Olivier Dossin, Toulouse, France
- Exocrine pancreatic insufficiency in dogs
- Management of dogs with chronic diarrhea

Frederic Gaschen, LSU, Baton Rouge, LA, USA
- Adverse food reactions

Protozoal infections in cats
Karin Allenspach, RVC, London, UK
Management of canine IBD – what's new
Diagnosis of IBD in cats

Itamar Aroch, Koret, Israel
GDV in dogs
Gastric ulceration

David Twedt, U of Colorado, Ft. Collins, US
Feline cholangitis
Copper toxicosis
What's your diagnosis (interactive case sessions with David Twedt); 2 hours

Ed Hall, U of Bristol, Bristol, UK
Small intestinal dysbiosis in dogs
Cobalamin deficiency

Mel Craven, NIH, Bethesda, MD, USA
Ulcerative histiocytic colitis
IBS – does it exist?