UQ VETS
Equine Practitioners Conference
5–6 February 2020 Gatton Campus
The UQ VETS Equine Specialist Hospital is proud to present the Equine Practitioners Conference.

Current topics in equine practice: Colic, lameness, cardiology and more

Registrations open June 24 2019

See page 5 for details.

Attend the conference and tour the UQ VETS state-of-the-art equine hospital and catch up with friends.

Testimonials from 2019 attendees

“Great conference!”

“Relevant and useful labs and lectures for practicing vets”

“Everyone was very friendly and accommodating”

“I found it a great 2 days. I learnt so much in each lecture and workshop. Thankyou”

“Very affordable and felt I gained a lot of finer techniques for every day skills. Great lectures aimed at general practice.”

“You know it was a great CPD investment when you are still talking with colleagues about skills learnt a month after the conference!”
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<td>Registration, coffee</td>
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<tr>
<td>8:25 – 8:30 am</td>
<td>Welcome</td>
<td>Dr Allison Stewart</td>
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<td>8:30 – 9:00 am</td>
<td>Maximising outcome for referral of colic cases on the farm</td>
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<td>9.00 – 9.30 am</td>
<td>Chronic colic work-up</td>
<td>Dr François-René Bertin</td>
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<td>9:30 – 10:00 am</td>
<td>Overview of common equine arrhythmias, and diagnostic and treatment guidelines for atrial fibrillation</td>
<td>Dr Carlos Medina-Torres</td>
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<tr>
<td>10:00 – 10:30 am</td>
<td>Break, morning tea 1 with sponsors</td>
<td>All</td>
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<tr>
<td>10:30 – 11:00 am</td>
<td>Ultrasound of the suspensory ligament</td>
<td>Dr Alex Young</td>
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<td>11:00 – 11.30 pm</td>
<td>Hoof capsule distortion and its effect on internal structures</td>
<td>Mr Craig Jones</td>
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<td>11:30 – 12.00 pm</td>
<td>Lameness associated with the stifle region</td>
<td>Dr Albert Sole-Guitart</td>
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<td>12:00 – 1.00 pm</td>
<td>Break, Lunch</td>
<td>All</td>
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<tr>
<td>1:00 – 6.15 pm</td>
<td>Three 90 minutes practical sessions</td>
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<td>Wet Lab A: Perineural and intra-articular injection techniques – cadaveric review and dissection</td>
<td>Dr Steve Zedler, Dr Natasha Lean, Dr Ben Ahern</td>
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<td>Wet Lab B: Limb ultrasound – basic tendon advanced ultrasound of the suspensory ligament</td>
<td>Dr Albert Sole-Guitart, Dr Alex Young, Dr Chantelle Jukic</td>
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<td>Wet Lab C: Cardiac murmurs and arrhythmias</td>
<td>Dr Allison Stewart, Dr François-René Bertin, Dr Carlos Medina-Torres, Dr Brianna Clark</td>
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<tr>
<td>1.00 – 6.15 pm</td>
<td>Three groups of participants to rotate through each of three 90 minutes labs</td>
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<td>1.00 – 2.30 pm</td>
<td>Group 1 Lab A, Group 2 Lab B, Group 3 Lab C</td>
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<td>2.30 – 4.00 pm</td>
<td>Group 1 Lab C, Group 2 Lab A, Group 3 Lab B</td>
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<tr>
<td>4.00 – 4.30 break</td>
<td>Afternoon tea 1, poster hallway and tute room</td>
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<td>4.30 – 6.00 pm</td>
<td>Group 1 Lab B, Group 2 Lab C, Group 3 Lab A</td>
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<tr>
<td>6.00 – 6.15 pm</td>
<td>Tour of hospital facilities (equine and small animal)</td>
<td>Dr Ben Ahern, Dr Allison Stewart, Any available</td>
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<tr>
<td>6:15 pm</td>
<td>Dinner – Dining Hall (sponsored by Randlab, Zoetis, Medical Plus and Plasvac)</td>
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<td>Registration, Coffee</td>
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<td>Dr Ben Ahern</td>
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<td>Wound management</td>
<td>Dr Steve Zedler</td>
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<td>9:30 – 10.00 am</td>
<td>Breeding with frozen semen</td>
<td>Dr Natalie Fraser</td>
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<td>Break, morning tea with sponsors</td>
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<td>Dr Jo Rainger</td>
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<td>Treatments for equine cutaneous neoplasia: a focus on intra-lesional cisplatin and electrochemotherapy</td>
<td>Dr Natasha Lean</td>
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<tr>
<td>11:30 – 1 pm</td>
<td>Break, Sit-down Lunch (sponsored by Zoetis, Medical Plus, Plasvac and Randlab)</td>
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<td>Three groups to rotate through three 90 minutes prac</td>
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<td>Wet Lab D: Lameness examination – physical examination / flexion tests and lameness aids</td>
<td>Dr Steve Zedler, Dr Natasha Lean, Dr Ben Ahern, Dr Chantelle Juric</td>
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<td>Dry Lab E: Colic cases (bloodwork, cytology and imaging for diagnosis of peritonitis, enteroliths, squamous gastric ulcers, glandular ulcers, right dorsal colitis, neoplasia)</td>
<td>Dr Allison Stewart, Dr Albert Sole-Guitart</td>
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<td>Wet Lab F part 1 (45 min): Abdominal ultrasound prac</td>
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<td>basic group</td>
<td>Dr François-René Bertin, Dr Carlos Medina-Torres, Dr Alex Young</td>
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<td>advanced group</td>
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<tr>
<td>Wet Lab F part 2 (45 min): Uterine endoscopy/hysteroscopy</td>
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<td>1.00 – 2.30 pm</td>
<td>Group 1 Lab D, Group 2 Lab E, Group 3 Lab F</td>
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<td>2.30 – 4.00 pm</td>
<td>Group 1 Lab F, Group 2 Lab D, Group 3 Lab E</td>
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<td>Afternoon tea 1, poster hallway and tute room</td>
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<tr>
<td>4.30 – 6.00 pm</td>
<td>Group 1 Lab E, Group 2 Lab F, Group 3 Lab D</td>
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*Subject to change*
**CPD points**

5.5 hours of lectures (11 x 30 min) 5.5 CPD equivalent points  
6 x 90 minute labs = 560 min = 9 hr x 2 = 18 CPD equivalent points  
Total CPD equivalent points = 23.5

**Cost**

Costs include proceedings booklet, coffee breaks, lunches both days and Wednesday evening dinner. Thanks to our sponsors, lunches, breaks and Wednesday evening dinner are included.

- **Veterinarians, including labs**  
  both days – $900+GST = $990  
  1 day – $600

- **Techs/nurses/assistants, including labs**  
  both days – $540  
  1 day – $300

- **Remote online access to video recordings of lectures (for 6 months)**  
  both days – $175 – 5.5hrs CPD  
  1 morning – $100

- **Participant online access to video recordings of lectures (for 6 months)**  
  both days – $100  
  1 morning – $70

**Early bird discount before December 1 2019 – save 10%**

**Registration**

Registrations open June 24 2019  
https://payments.uq.edu.au/OneStopWeb/ECET101MED001

Any problems with registration, please contact c.girvin@uq.edu.au

Also available for online viewing:  
**Eleven 35 minute state-of-the-art lectures from the 2019 conference 6.5 hrs CPD**  
$175  
contact c.girvin@uq.edu.au
Location

UQ VETS Equine Specialist Hospital
Outer Ring Road, Building 8156
The University of Queensland
Gatton Campus
Gatton Qld 4343
Phone (07) 5460 1799
uqvets.eq@uq.edu.au

Transport

UQ Gatton is situated in the beautiful Lockyer Valley, approximately 1 hour west of Brisbane CBD, 1.5 hours from Brisbane Airport and 30 minutes east from Toowoomba.

Travelling to and from Gatton

Greyhound Australia and Murrays Coaches both stop on the Warrego Highway enroute to Brisbane or Toowoomba.

Con-X-ion Airport Transfers will collect passengers from the Brisbane international or domestic airports. Drop-off point is the NW Briton Building (return service available). For bookings call 1300 266 946 at least two days before travel.

Gatton Taxi Service: (07) 5462 4043 or 0418 718 045.

Accommodation

Gatton Campus Motel: contact (07) 54601489 or email ccu@uq.edu.au  www.uq.edu/halls
Gatton Motel: Railway Street, Gatton: contact (07) 54621333  www.gattonmotel.com.au
Rooms Motel Gatton: 1 Hawck Street, Gatton: contact (07) 5462 1111
Royal Hotel Gatton: 2 Railway Street, Gatton: contact: (07) 5462 1029
Woodlands of Marburg: 174 Seminary Road, Marburg: contact (07) 5464 4777
Toowoomba is a 30 minute drive west of Gatton and has a large range of accommodation options.
Maximising outcome for referral of colic cases on the farm

Dr Allison Stewart

Eighty percent of colic cases respond favourably to anti-inflammatory drug administration, feed withdrawal and possibly mineral oil administration. Twenty percent of cases are diagnosed as serious and require additional monitoring and care. Often less than half of cases requiring referral actually need surgery, but referral allows for thorough diagnostics (bloodwork, rectal examination, ultrasound, gastroscopy and abdominal radiographs) in addition to tailored fluid therapy, refluxing, 24 hour monitoring and surgical intervention if required. Presence of pain unresponsive to analgesics, elevated heart rate (> 50 beats/min), reflux, dehydration, abnormal lactate or rectal palpation abnormalities all warrant referral for further evaluation. Decisions whether to place a catheter on farm to commence fluid therapy, perform abdominocentesis or commence hoof cryotherapy often depend on the proximity to the referral hospital. Early referral maximises prognosis and minimises costs to clients.

Chronic colic work-up

Dr François-René Bertin

Chronic colic can be a very frustrating condition and is frequently encountered in practice. Clinical signs can be mild initially but, in some cases, they can become severe and justify surgical exploration or euthanasia. Identifying a specific cause for chronic colics can be challenging, mainly between episodes, when the clinical signs have abated. Therefore, a thorough diagnostic approach, including oral examination, gastroscopy, abdominal radiographs, abdominal ultrasound, rectal palpation and blood work is indicated. In some cases, more advanced diagnostic procedures such as laparoscopy, intestinal biopsies or absorption tests can also be required in order to obtain a definitive diagnosis. This presentation will review the different causes of chronic colic and detail the diagnostic approach that can be conducted in the field and at a referral hospital.
Overview of common equine arrhythmias, and diagnostic and treatment guidelines for atrial fibrillation

Dr Carlos Medina Torres

Cardiac arrhythmias are common in horses and include atrial premature depolarization (APD) and three types of tachyarrhythmias: atrial tachycardia (AT), flutter (AFL) and fibrillation (AF). The latter is further divided into paroxysmal, persistent and permanent. Conduction delays through the AV node are also common and include first, second (physiologic or advanced) and third degree (complete) AV block (AVB). Ventricular arrhythmias originate from abnormal impulses within the ventricular myocardium and include ventricular tachycardia (V-tach), premature complexes (VPCs) and idioventricular rhythms (IVRs). Ventricular flutter, fibrillation and asystole are typically terminal. As AF is the most important arrhythmia affecting horses, the approach to its diagnosis and the current treatment guidelines will be presented.

Ultrasound of the suspensory ligament

Dr Alex Young

Injury of the front/hind suspensory ligament is a common diagnosis in equine practice yet accurate ultrasonographic examination of this structure is challenging. The increasing use of advanced imaging modalities has taught us a great deal more about what we can and cannot see on ultrasonographic examination of the suspensory region as well as facilitated improved ultrasonographic techniques for more intensive and accurate interrogation. This lecture and associated wetlab will cover not only the basic approach to ultrasound of the suspensory ligament but will provide advanced training on additional techniques available to veterinarians wishing to better visualise this structure ultrasonographically.
Hoof capsule distortion and its effect on internal structures
Mr Craig Jones

This presentation will cover how conformation, environment and management practices effect the hoof capsule and how they predispose horses to various lesions/pathologies. Hoof capsules were designed to function optimally when they are ‘short’, and when wear should equal growth. Excess growth in various external hoof capsule structures creates abnormal leverage which in turn leads to distortion. Different equine limb conformation defects/deviations create abnormal landing/loading patterns that influence the deformable hoof capsule and set up the foot for distortion/deviation. All of this influences the soft tissues inside the hoof capsule and proximal to the foot, abnormal stresses/loads placed upon these structures can predispose them to acute/chronic lesions. Using various trimming/shoeing techniques we can try to minimise hoof capsules distortion and increase the horse’s long term viability as an equine athlete.

Lameness associated with the stifle region
Dr Albert Sole-Guitart

Stifle lameness in horses is fairly common but it can be challenging to diagnose due to the complexity of this region. Functional anatomy, intra-articular analgesia, diagnostics, treatment and prognosis will be discussed in the lecture. Clinical cases will be presented including a brief introduction of the needle arthroscope as an excellent diagnostic modality for use in standing horses.
Thursday 6 February – Lecture Summaries

How to “see” lameness – a multimedia supported discussion
Dr Ben Ahern

Lameness can be challenging cases to manage for clients. Especially when the lameness is subtle and difficult to reliably “see”. This talk will use a variety of multimedia case presentations to discuss and highlight some principles and tricks for improving how we “see lameness”. We will also review how we communicate and record what we see to sometimes disbelieving clients.

Treatment of wounds
Dr Steve Zedler

Wounds are an everyday occurrence in equine practice. Often the internal damage is worse than is externally apparent. Involvement of synovial structures must be carefully identified. Foreign material such as hair and dirt must be meticulously removed. Surgical repair in standing horses is time consuming and may initially look great, but frequently infection, movement and fluid accumulation lead to wound breakdown after 1–2 weeks. Field techniques for repairing common limb lacerations and when referral for general anaesthesia and careful surgical debridement and repair is beneficial will be discussed.
Epidural analgesia
Dr Jo Rainger

Epidural sedation and local analgesia can be easily administered to assist with dystocias and perineal surgery. Epidural catheters allow long term administration of analgesics to control pelvic limb or perineal pain. Intrathecal catheters can be placed to obtain cerebrospinal fluid or provide long term spinal analgesia. Tips for easy catheter placement and maintenance as well as dosages for various analgesics relevant to the equine practitioner will be discussed.

Breeding with frozen semen
Dr Natalie Fraser

Managing frozen semen inseminations in your practice, including mare selection, improving success rate, and technique tips and tricks.
Treatments for equine cutaneous neoplasia: a focus on intra-lesional cisplatin and electrochemotherapy

Dr Natasha Lean

Cutaneous tumours are common in horses of all breeds and ages. The three most commonly encountered are sarcoids, melanomas and squamous cell carcinomas. Early recognition, diagnosis, and treatment are crucial to obtaining a positive outcome. A delay in treatment increases the chances of recurrence or metastasis. Treatment varies depending on the type of tumour, location, owner compliance and financial constraints. Most treatments consist of surgical excision or de-bulking +/- additional therapy to eliminate any residual tumour cells and minimise re-occurrence. Such therapies include cryotherapy, laser, immunotherapy, radiation therapy, and a wide range of local and systemic chemotherapy drugs.

This talk will provide an overview of many of the available treatment options, with a focus on intra-lesional cisplatin and electrochemotherapy.
Wednesday 5 February – Laboratory Summaries

**Wet Lab A: Perineural and intra-articular injection techniques – cadaveric review and dissection**

Drs Steve Zedler, Natasha Lean and Ben Ahern

We will use cadaveric limbs to identify surface anatomy and identify ideal placement of needles for perineural and intra-articular diagnostic analgesia. In this lab 2 persons per limb will practice perineural and IA nerve blocks with methylene blue. Subsequent dissection and anatomy review will occur.

**Wet Lab B: Limb ultrasound sponsored by Medical Plus**

**Basic tendon (treatment room and treadmill)**

Dr Albert Sole-Girutart

This wetlab will cover basic imaging of the ultrasonographic anatomy of the forelimb ensuring participants can identify all structures such as the superficial and deep digital flexor tendons, suspensory ligament and check ligaments and vascular bundles in the pastern and cannon regions.

**Advanced ultrasound of the suspensory ligament – (US room and ICU)**

Dr Alex Young

This wetlab will cover not only the basic approach to ultrasound of the suspensory ligament but will provide advanced training on additional techniques available to veterinarians wishing to better visualise this structure ultrasonographically.

**Wet lab C: Cardiac murmurs and arrhythmias (equine teaching area)**

Drs Carlos Medina-Torres, François-René Bertin, Allison Stewart and Brianna Clark

Several of our teaching horses will be available to identify and characterise cardiac murmurs and arrhythmias using regular stethoscopes, electronic stethoscope with phonogram and electrocardiograms. Participants will be taught to describe murmurs based on location, intensity and timing in the cardiac cycle. Significance of each murmur will be discussed. Tips for identifying and diagnosing common arrhythmias will be taught using live horses. Please BRING YOUR OWN STETHOSCOPE.
Thursday 6 February – Laboratory Summaries

**Wet lab D: Lameness examination – physical examination/flexion tests and lameness aids**

Drs Steve Zedler, Natasha Lean, Ben Ahern and Chantelle Juric

Participants will perform lameness examinations on several horses with the guidance of specialists. Lameness in the distal limb is by far the most common cause of unsoundness in the horse. Procedures to assess and identify the source of lameness using a methodical approach will be taught. Palpation of anatomic structures to review surface anatomy and identify heat, pain, swelling; then straight line and circle trot-up, with lameness grading, and flexion tests will be performed. The response to nerve blocks will be assessed. Using lame horses, participants will learn a practical and effective way to work up the lameness in the field. The electronic Lameness locator will also utilised.

**Dry Lab E: A laparoscopic anatomy and colic cases (round table discussion)**

Drs Allison Stewart and Albert Sole-Guitart

A brief laparoscopic description of the normal anatomy of the equine abdomen will be presented to visualise the critical anatomy to help improve rectal palpation and sonographic evaluations. Colic cases (colic work-up, bloodwork, cytology and imaging for diagnosis, referral/surgical decisions, peritonitis, enteroliths, nephroplenic entrapment, squamous gastric ulcers, glandular ulcers, right dorsal colitis, sand impaction, neoplasia and bladder stones) will then be discussed.
Wet lab F part 1: Ultrasound of abdomen. FLASH procedure for colics
Drs Carlos Medina-Torres and François-René Bertin

Abdominal ultrasound is useful to identify gastric, small intestinal or colonic distension with fluid; nephrospenic entrapment, peritoneal effusion, colonic displacements, biliary duct obstruction, identification of abdominal masses and ensure the integrity of the diaphragm. Fast localised sonography of horses (FLASH) is used to expediently view critical areas associated with acute colic to help narrow differentials for colic and help determine the necessity for surgical intervention. Bring your own ultrasound machine if you wish.

Wet Lab F part 2: Hysteroscopy
Dr Natalie Fraser

Learn about the use of hysteroscopy for diagnosis of problem mares, including normal uterine architecture, common pathology, endoscope assisted insemination, and hysteroscopic hydrotubation of the oviduct.
UQ VETS Equine Specialist Hospital

Introduction
The UQ VETS Equine Specialist Hospital (ESH) includes a purpose-built hospital with a separate isolation facility and reproduction centre. There is a dedicated intensive care unit that has stalls able to accommodate neonates alone or with the mare. The Equine Hospital is supported by 12 experienced board-certified faculty members, 3 dedicated residents and 2 interns. The hospital has trained 24 hour nursing staff and supporting staff ready to serve your clients 24/7, including after hours, weekends and holidays. Horses must be Hendra vaccinated or receive exclusion testing prior to examination.

Specialists

Equine Internal Medicine/Emergency and Critical Care
Dr Allison J. Stewart BVSc (Hons I), MS, DACVIM, DACVECC, MANZCVS, PhD
Dr Carlos E. Medina-Torres DVM, MSc, DVSc, PhD, DACVIM, DECEIM, MANZCVS
Dr François-René Bertin, DVM, MS, PhD, DACVIM

Theriogenology
Dr Natalie S. Fraser, DVM, MS, DACT

Equine Surgery/Sports Medicine
Dr Steve Zedler, VMD, MS, DACVS
Dr Albert Sole-Guitart, DVM, DACVS
Dr Ben Ahern, BVSc (Hons), MANZCVS, DACVS, DACVSM, PhD

Anaesthesia
Dr Margie McEwen, BVSc, DACVAA, MANZCVS
Dr Jo Rainger, BVSc BSc (Vet) PhD FANZCVS, Dip Clin Studies
Dr Wendy Goodwin, BVSc, PhD, MANZCVS, FANZCVS
Dr Grant Whitten, BNurs, BSc, BVMS, GradDipEd

Diagnostic Imaging
Dr Alex Young, BVSc (Hons I), DACVR
Dr Fred Pawels, DVM, CertVA, DipACVS, DipECVDI (LA)

UQ VETS ESH Residents
Dr Georgina Johnston, BVetMed, BSc (Hons I) MRCVS, Resident in Equine Sports Medicine and Rehabilitation
Dr Natasha Lean, DVM, BSc (VetBioSc), Resident in Equine Surgery
Dr Nicholas Cowling, BVSc (Hons), BAppSc (Hons), MANZCVS, Resident in Anaesthesia
Dr Chantelle Jukic, BVSc (Hons), Equine Surgery Resident
Dr Brianna Clark, BVSc (Hons), MANZCVS (Medicine of Horses), Equine Internal Medicine Resident
Dr Stephanie Collins, BVSc (Hons), Equine Intern
Biographies

François-René Bertin obtained his DVM degree in France and then completed a combined residency and master’s degree in Large Animal Internal Medicine at Purdue University, USA. After a PhD in physiology in Canada, he joined The University of Queensland as a Senior Lecturer in Equine Internal Medicine. François-René’s main focus is the early diagnosis of equine endocrine disorders such as insulin dysregulation and pituitary pars intermedia dysfunction. François-René has authored several publications about equine endocrinology as well as a book and some book chapters. François-René is also serving on the international Equine Endocrinology Group as well as the Australasian Equine Endocrinology Focus Group.

Carlos Medina-Torres graduated and completed an internship at the National University of Colombia in 2003. He completed a MSc at The University of Liverpool (UK) in 2004, before completing a residency at the Ontario Veterinary (Canada) in 2009. He then worked in academia in Colombia, Italy and Germany in addition to completing a PhD in equine laminitis at The University of Queensland. Carlos is a diplomate of both the American College of Veterinary Internal Medicine (ACVIM) and the European College of Equine Internal Medicine (ECEIM). He has a particular medical interest in gastrointestinal and cardiorespiratory problems of the horse, and his research focuses in the fields of equine laminitis and infectious diseases.

Allison Stewart graduated from the University of Melbourne in 1997, then spent two years in mixed practice in Gawler, SA, before traveling to the USA to undertake a residency in Large Animal Internal Medicine at the Ohio State University. She completed her Masters of Science and became a Diplomat of the American College of Veterinary Internal Medicine in 2002. She then became a faculty member at Auburn University in Alabama and completed a fellowship in Emergency and Critical Care and obtained Diplomat status in 2007. Allison worked as a specialist and taught veterinary students at Auburn University for 12 years. She then did locum work in Victoria while working on her PhD. Allison joined the faculty at The University of Queensland in 2017. She has a clinical interest in large animal emergency and critical care, neurology, endocrinology, cardiology, ophthalmology, infectious disease (especially fungal), ultrasonography and endoscopy.
Natalie Fraser graduated from the Virginia-Maryland Regional College of Veterinary Medicine. She then completed an internship at the University of Illinois in Farm Animal Reproduction, Medicine, and Surgery and worked in private practice for three years. Natalie completed her residency training in comparative theriogenology, covering all major domestic species as well as, exotic animals at Auburn University. She is board certified by the American College Theriogenologists and a member of the Society for Theriogenology. Natalie’s research interests include developmental reproductive biology, immunocontraception, and evidence-based medicine for best practices in breeding kennels. Natalie’s broad experience working with both horses as well as, dogs and cats will allow her to provide assistance to the referring veterinary community across a range of species needing advanced reproductive care.

Steve Zedler obtained his veterinary degree at the University of Pennsylvania. After completing an internship at Rood and Riddle Equine Hospital in Lexington Kentucky, Steven returned to the University of Pennsylvania and completed a residency in large animal surgery, where he remained working as an equine surgeon and lecturer. Steven has also worked as a locum equine surgeon at the University of Pretoria, South Africa. He joined The University of Queensland as a specialist equine surgeon seven years ago. Steven is a Diplomat of the American College of Veterinary Surgeons. His interests include soft tissue and orthopaedic surgery, lameness, scintigraphy, and treadmill examinations. He leads the fifth-year equine clinical teaching program and enjoys preparing students for equine practice.

Ben Ahern is a University of Queensland Veterinary School graduate who grew up in south east Queensland. Ben obtained his surgical training at the University of Pennsylvania. On returning to Australia Ben was a surgeon at Randwick Equine Centre in Sydney for four years. Ben is a specialist in equine surgery and is board certified by the American College of Veterinary Surgeons and the American College of Veterinary Sports Medicine and Rehabilitation. He has authored multiple book chapters and has published on a wide range of topics ranging from orthopaedics and lameness, to novel tie-back procedures and stem cell therapies.
Albert Sole-Guitart graduated from the Autonomous University of Barcelona in 2007, then completed internships at the University of Guelph, Canada and Rood and Riddle Equine Hospital in Kentucky. Albert completed surgical training at the University of California, Davis and continued to work as an Equine Surgical Specialist for a further two years. He also developed a new technique to deliver stem cells in the equine limb using regional limb perfusion. Albert moved to Australia in 2014 and worked at the University of Sydney for almost three years before joining The University of Queensland. Albert enjoys all aspects of soft tissue and orthopaedic surgery. He has a particular interest in managing performance problems in endurance horses and minimally invasive surgery.

Alex Young graduated from the University of Sydney in 2004 with an interest in equine practice. She completed a 1-year equine internship at Agnes Banks Equine Clinic, NSW Australia, before staying on as an ambulatory veterinarian. She subsequently undertook six years of imaging training at the University of California, Davis; two years training in Large Animal Ultrasound with some of the world's top Equine Ultrasonographers, followed by four years training to be a specialist veterinary radiologist. Alex became a Diplomate of the American College of Veterinary Radiology in 2013 and returned to Australia to work at the University of Sydney as a Senior Lecturer in Veterinary Diagnostic Imaging in 2014. She joined The University of Queensland as a Senior Lecturer in Veterinary Diagnostic Imaging in 2017. Alex has a strong interest in the diagnosis, monitoring and rehabilitation of musculoskeletal injuries as well as the use of advanced imaging modalities to help us obtain an accurate diagnosis in our more challenging cases.

Jo Rainger graduated from the University of Sydney in 1994. Following graduation she gained her PhD in the study of the “Pathogenesis of Equine Strangles”. She completed an internship and residency in veterinary anaesthesia at the University of Sydney, and continued to work as a registrar until 2012. Jo is a member of the Australian and New Zealand College of Veterinary Scientists in veterinary anaesthesia and critical care and has recently attained her Specialist qualifications in Veterinary Anaesthesia by examination with the Australian and New Zealand College of Veterinary Scientists. Her areas of interest include equine and ruminant anaesthesia.
Margie McEwen graduated from the University of Sydney, then worked in general practice for eight years; including four years at Scone Veterinary Hospital (NSW). She completed an anaesthesia residency at Cornell College of Veterinary Medicine, New York and became a Diplomat of the American College of Veterinary Anaesthesia and Analgesia in 2002. Margie worked at Washington State University for six years, then at Tufts University in Massachusetts for three years. In 2010 Margie moved back to Australia and worked for the University of Adelaide before working in general practice in Darwin. Margie’s interests are in pain management, equine anaesthesia, teaching and learning, and communication.

Wendy Goodwin graduated from The University of Queensland in 2004. After graduation she worked in private equine practice and began a PhD (equine anaesthesia) under the supervision of Dr Helen Keates and Dr Martin Pearson. During this time Wendy also worked as a consultant equine anaesthetist and has experience in mixed and small animal general practice. Wendy is a member of the Australian College of Veterinary Scientists and is currently working to submit her PhD thesis ‘Studies of Alfaxalone in Horses’. Wendy’s primary interests are equine anaesthesia and analgesia. Her research interests include total intravenous anaesthesia in the horse and improving equine pain management.

Frederik Pauwels graduated from Gent University, Belgium and has lived and worked in academia and equine private practice in The United Kingdom, Ireland, The United States, New Zealand, Belgium and Switzerland. After an internship in the UK and ACVS Equine Surgery residency specialist training in the US, Fred moved to New Zealand. There he was a Senior Lecturer in Equine Surgery at Massey University for eight years. Frederik completed a second full-time residency specialist training in 2016 as a Radiologist, Large Animal bias for the European College of Veterinary Medical Imaging (ECVDI) at Massey University, and then Ghent University, Belgium. The residency was broad based including companion animals. Frederik worked thereafter as a clinical Radiologist at Bern University, College of Veterinary Medicine, in both equine and companion animals. He passed the ECVDI examination in February 2017. Fred works part-time at The University of Queensland in addition to providing an imaging consulting service in New Zealand.
Craig Jones  Cert III Farriery, Cert IV TAA
Craig has been shoeing horses for over 30 years. He currently shoes at the University of Queensland Equine Veterinary Medical Hospital two days a week and teaches apprentice farriers in Queensland at the University of Queensland Gatton campus one day a week. The rest of the week he shoes for private clients and other veterinary clinics. Craig has won numerous awards, including Australian Open High point Champion twice (2005 and 2013), rookie of the year 2006 in the World Horse Shoeing Championships at the Calgary Stampede, and number one place in the Mustaad Asia Pacific 4 man team for the World Horse Shoeing championships Calgary 2014. He has won Australia’s most prestigious Open Horse shoeing event seven times and the Queensland Draught Horse Shoeing Championship five times. He has won and placed in many other Shoeing Competitions throughout Australia over the years, presented clinics, and judged Competitions throughout Australia and overseas.

Registrar
Grant Whitten is an experienced healthcare professional and veterinarian, who has worked in human healthcare and critical care environments for approximately 10 years, and some of this work also included secondments to a rescue helicopter service. He then studied Veterinary Science at Murdoch University. Grant then worked in small and mixed animal practice for a number of years, before returning to Murdoch University to complete an anaesthesia internship and the Graduate Diploma in Education (tertiary). Most recently, Grant has completed the Anaesthesia & Critical Care Residency at the University of California, Davis, and he will go on to sit DACVAA board certification examinations in 2019.
Residents

**Georgina Johnston (Georgie)** graduated from the Royal Veterinary College in London. After a year in mixed practice, she moved to Australia and completed an internship at Randwick Equine Centre, focusing on equine surgery and racetrack practice. Georgie has since worked in first opinion and referral equine practice around Australia and the United States with performance horses from all disciplines. Her particular interests include lameness diagnosis, advanced imaging and cardiology. She is also an FEI official veterinarian. Georgie is involved in research into exercising arrhythmias, treadmill exercise testing and Thoroughbred fetlock pathology.

**Natasha Lean** grew up in England until the age of 18. She moved to Australia and completed a BSc in Veterinary Biology and DVM from the University of Adelaide. After graduation, Natasha worked for the University of Adelaide, during which time she helped treat victims of the Pinery bush fires. Natasha completed an 18-month rotating internship at The University of Queensland and is excited to be continuing her training at the university as a surgical resident. In 2017/18 she was the EVA Young Member Representative for South East Queensland. Natasha is currently completing a DVClinSci on surgical treatment of laminitis and is also involved in research on recurrent laryngeal neuropathy.

**Chantelle Jukic** grew up in south east Queensland and graduated from the University of Queensland School of Veterinary Science. After graduation, she completed a 12-month rotating surgical and medicine internship at UQ VETS Equine Specialist Hospital. She then moved to America and went on to complete an orthopedic translational fellowship at the University of Pennsylvania focusing on critical size long bone defects. She recently returned to The University of Queensland to start her surgical residency training and is completing a DVClinSci on surgical approaches and arthrodesis of the distal interphalangeal joint. Chantelle has a strong interest in orthopedics and airway surgery.
**Brianna Clark** graduated from University of Queensland and is excited to return as a medicine resident. After a few years in mixed practice she completed a rotating internship at Goulburn Valley Equine Hospital in Shepparton, Victoria. Staying another season as a medicine fellow, Brianna was able to focus her interests in equine medicine, in particular neonatology. In 2019 she gained membership status of the Australian and New Zealand College of Veterinary Scientists in Medicine of Horses. Brianna has also gained experience in equine reproduction after working at Goulburn Valley Equine Hospital and recently at the reproduction centre at Charles Sturt University in Wagga Wagga. Her particular interests include neonatology, endocrinology, emergency and critical care and reproduction.

**Stephanie Collins** is one of the newest members of the team, having recently graduated in 2019 from Massey University, New Zealand with a degree in Bachelor of Veterinary Science. Having grown up with horses and worked within the equine industry during her time as an undergraduate, Steph is passionate about equine medicine with a particular interest in lameness and foal medicine. She decided to cross the ditch this year where she now joins us as an equine intern and is excited to kick start her veterinary career here at The University of Queensland.
Specialties

Internal Medicine

• Advanced diagnostics and treatment for neurologic, respiratory, cardiac, gastrointestinal, muscular, renal and liver diseases.

• Advanced diagnostics and treatment of infectious diseases in a purpose-designed biosecure isolation facility.

• Specialised diagnostics and management of hormonal disorders including Equine Metabolic Syndrome and Pituitary Pars Intermedia Dysfunction. Laminitis management planning with radiographic-guided hoof balance assessment in conjunction with corrective farriery.

Emergency and Critical Care

• Specialised management and intensive care of critical neonatal foals in a climate-controlled intensive care unit.

• Specialised management and intensive care of critically ill horses requiring continuous monitoring and therapy.

• All types of emergencies 24/7 (Hendra vaccination required) including colics, pneumonias (travel sickness), diarrhoea, fevers, inappetence, eye problems, foaling difficulties, laminitis, poisonings and trauma.

Sports Medicine and Cardiopulmonary Function Testing

• Working together with our multi-disciplinary team of internal medicine, surgery and diagnostic imaging specialists, we offer a treadmill exercise-testing program to help find the cause of reduced performance in the athletic horse.

• As part of our performance evaluations, thorough lung assessment with pulmonary function testing, blood oxygenation and pulmonary cytology, and full cardiac examinations including ECG and echocardiography are available to evaluate and treat the equine athlete.

Surgery

Personalised and case-based discussion available for a range of advanced and routine surgical procedures with a specialist surgeon. Including but not limited to:

• Upper respiratory tract surgery – e.g. standing tie-backs and laser treatments

• Orthopaedic – high definition arthroscopic surgery and basic/advanced fracture repairs / management

• Colic surgery – ranging from emergency surgery to minimally invasive laparoscopic procedures

• Urogenital – in collaboration with our reproduction specialist a range of minimally invasive targeted treatment options

• Wound management – including skin grafting and vacuum therapy

• Neoplasia treatment – a range of treatment options tailored to each case including electochemotherapy

• Lameness examinations and localisation including use of state-of-the-art computer assisted evaluations

• Range of imaging modalities supported by world class specialist radiologists: digital radiography, ultrasound, MRI (coming mid 2018), CT (plain and contrast), scintigraphy
Reproduction

Specialised reproductive evaluations and treatments for mares, including “problem mare” management, twin reduction, and embryo transfer. Stallion services include semen collection, evaluation and freezing, and management of subfertile stallions are also provided.

Anaesthesiology and Analgesia

- UQ VETS has the largest full-time, dedicated anaesthesia and analgesia team in Queensland, which include specialist anaesthetists, veterinarians and veterinary technicians.
- Services include anaesthetising all species for soft tissue and orthopaedic surgery, arthroscopy, dentistry, endoscopy, ultrasound, CT and radiography.
- We specialise in local and regional nerve blocks and state-of-the-art pain management techniques.

Diagnostic Imaging

- UQ VETS is the only veterinary practice in Queensland with a full-time, dedicated diagnostic imaging team comprised of three Veterinary radiologists as well as radiographers.

Equipment and services include: on-site 16-slice CT scanner with equine table and pressure injector, MRI, top-of-the-line ultrasound units and ultrasound-guided sampling, dedicated digital radiography suites, fluoroscopy, and nuclear scintigraphy.
Thanks to our Sponsors

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