## Multidisciplinary Review - Wednesday, September 13

### Multidisciplinary Review
- **9:00 AM-12:00 PM**
  - Challenging IM Cases - Rudolf, Kent
  - So Many Tubes, So Few Holes - Graven, Hanson
  - Palaso, M. Edwards, Elias, O. Dwyer

- **1:00 PM-4:00 PM**
  - Basic and Advanced Regional Anesthesia - Grifenhagen, Condon, Read, Looney, Vigan
  - Endoscopy Wet Lab - Griffenhagen-Congdon-Read-Looney-Vigani-Hector-Hess

### Leadership Development
- **5:30-6:30 PM**
  - Everything You Ever Wanted to Know About Electrolytes - Dechant
  - A Toxin, a Metabolite, and an Antidote Walk into a Bar: Who Hooks Up With Who? - Dechant

### Multidisciplinary Review (VET or TECH)
- **9:00 AM-12:00 PM**
  - Challenging IM Cases - Rudolf, Kent
  - So Many Tubes, So Few Holes - Graven, Hanson
  - Palaso, M. Edwards, Elias, O. Dwyer

- **1:00 PM-4:00 PM**
  - Basic and Advanced Regional Anesthesia - Grifenhagen, Condon, Read, Looney, Vigan
  - Endoscopy Wet Lab - Griffenhagen-Congdon-Read-Looney-Vigani-Hector-Hess

### Lunch
- Lunch included with Multidisciplinary Review purchase (VET OR TECH)

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### Limited Enrollment Lab
- **9:00 AM-12:00 PM**
  - Basic and Advanced Regional Anesthesia
  - Endoscopy Wet Lab
  - Advanced Anesthesia Monitoring Wet Lab

- **1:00 PM-4:00 PM**
  - Basic and Advanced Regional Anesthesia
  - Endoscopy Wet Lab
  - Advanced Anesthesia Monitoring Wet Lab

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### Limited Enrollment
- **9:00 AM-12:00 PM**
  - Basic and Advanced Regional Anesthesia
  - Endoscopy Wet Lab
  - Advanced Anesthesia Monitoring Wet Lab

- **1:00 PM-4:00 PM**
  - Basic and Advanced Regional Anesthesia
  - Endoscopy Wet Lab
  - Advanced Anesthesia Monitoring Wet Lab

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### Poster Abstract Viewing
- **4:00 PM-7:00 PM**

### Moderated Poster Discussions
- **5:30-6:30 PM**

### International Attendee Reception
- **7:00-8:30 PM**
  - Sponsored by Oakwood

### Cyber Cafe
- **Open Daily 6:30 AM-9:00 PM**
  - Sponsored by AKORN Animal Health

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**Fee:**
- $270
- $500
- $385
- $180
- $125
- $95

**Limit:**
- 36
- 32
- 18
- 5
- 5
- 5

**Time:**
- 7:30 AM
- 8:00 AM
- 12:15 PM
- 1:15 PM
- 3:15 PM
- 4:30 PM
- 5:30 PM
- 7:00 PM
- 8:00 PM
### SCIENTIFIC PROGRAM

<table>
<thead>
<tr>
<th>Time</th>
<th>Presenter/Panel</th>
<th>Topic</th>
<th>Venue</th>
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</thead>
<tbody>
<tr>
<td>8:00am - 9:00am</td>
<td>111</td>
<td>Anticholinergics in CPR: What is the Evidence?</td>
<td>RYMAN STUDIO Q</td>
</tr>
<tr>
<td>9:30am - 10:30am</td>
<td>112</td>
<td>CPR: The Present and the Future</td>
<td>RYMAN STUDIO P</td>
</tr>
<tr>
<td>11:00am - 12:00pm</td>
<td>113</td>
<td>CPR: The Present and the Future</td>
<td>RYMAN STUDIO D</td>
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<tr>
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<th>Presenter/Panel</th>
<th>Topic</th>
<th>Venue</th>
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<tbody>
<tr>
<td>1:30pm - 2:30pm</td>
<td>114</td>
<td>Do We Care About Chloride?</td>
<td>RYMAN BALLROOM A</td>
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<tr>
<td>2:45pm - 3:45pm</td>
<td>115</td>
<td>Non-Traditional Acid Base: Case Based</td>
<td>RYMAN BALLROOM A</td>
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<tr>
<td>4:15pm - 5:15pm</td>
<td>116</td>
<td>Hypokalemia</td>
<td>RYMAN BALLROOM A</td>
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<tr>
<td>6:30am - 7:30am</td>
<td>161</td>
<td>ACVAA Abstracts</td>
<td>RYMAN STUDIO Q</td>
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<tr>
<td>9:00am - 10:00am</td>
<td>162</td>
<td>ACVAA Abstracts</td>
<td>RYMAN STUDIO P</td>
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<tr>
<td>11:00am - 12:00pm</td>
<td>163</td>
<td>ACVAA Abstracts</td>
<td>RYMAN STUDIO D</td>
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<td>164</td>
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<tr>
<td>9:30am - 10:30am</td>
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<td>RYMAN BALLROOM A</td>
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<td>11:00am - 12:00pm</td>
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### THURSDAY - SEPTEMBER 14

<table>
<thead>
<tr>
<th>Time</th>
<th>Session</th>
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<tbody>
<tr>
<td>8:00am</td>
<td>Technician Case Reports Presentation schedule will be posted on the IVECCS website and in the Final Program.</td>
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<tr>
<td>9:00am</td>
<td>Technician Case Reports</td>
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<tr>
<td>9:30am</td>
<td>Blood Gas Bootcamp</td>
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<tr>
<td>10:30am</td>
<td>What Happens When You Can’t “Do the Right Thing”? A Workshop on Everyday Ethical Dilemmas in Veterinary Medicine</td>
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<tr>
<td>11:00am</td>
<td>Self-Care for Emergency Veterinary Professionals: What, Why, and How?</td>
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<tr>
<td>12:00pm</td>
<td>Nutritional Support in the Septic Patient</td>
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</tbody>
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### LECTURE COURSE LEVELS

**Fundamentals:** These open sessions are geared toward new graduates and ER veterinarians who are new to the ER world.

**General:** These open sessions present information that is useful for the ER clinician and new resident looking for how physiology and pathophysiology apply to the clinical treatment of emergency and critical care patients.

**VECCSpert:** These open sessions present information that is useful for those examining more in-depth physiology and pathophysiology of treating the emergency and critical care patient.

**State of the Art:** These open sessions present information that is useful for all who are looking for upcoming and new applications in emergency and critical care medicine and surgery.

**Specialist:** These open sessions present information that is useful for those examining more in-depth physiology and pathophysiology of treating the emergency and critical care patient.

**State of the Art:** These open sessions present information that is useful for all who are looking for upcoming and new applications in emergency and critical care medicine and surgery.

**State of the Art:** These open sessions present information that is useful for all who are looking for upcoming and new applications in emergency and critical care medicine and surgery.
**SMALL ANIMAL ABSTRACTS**

| Time          | Small Animal Abstracts
|---------------|------------------------
| 8:00am - 9:00am | Endothelial Glycocalyx - Woodcock
| 9:30am - 10:30am | Plasma Volume and Tissue Edema: Balancing Two Extracellular Fluid Circulations of Albumin and Its Solvent - Woodcock
| 11:00am - 12:00pm | Introduction to RISE and GM Paradigm for Rational Fluid Prescribing - Woodcock

**ACVIM SPECIAL FOCUS ABSTRACTS**

| Time          | General Special Focus ABSTRACTS
|---------------|------------------
| 8:00am - 9:00am | Hyperosmolar Syndrome and Aortic Thromboembolism in a Dog - Koenig
| 9:30am - 10:30am | Serotonin Syndrome - Harris
| 11:00am - 12:00pm | Recent Advances in Toxicology - Koering

**FUNDAMENTALS**

| Time          | Fundamentals
|---------------|------------------
| 8:00am - 9:00am | Plasma Volume and Tissue Edema: Balancing Two Extracellular Fluid Circulations of Albumin and Its Solvent - Woodcock
| 9:30am - 10:30am | Introduction to RISE and GM Paradigm for Rational Fluid Prescribing - Woodcock

**SEPSIS**

| Time          | Sepsis Diagnostics in the ER - DelLafuente
|---------------|------------------
| 8:00am - 9:00am | Point of Care - Laffuente
| 9:30am - 10:30am | Sepsis Definitions - O'Sullivan
| 11:00am - 12:00pm | Red Blood Cell Storage - Mulin

**ANIMI BLOOD BANKING**

| Time          | Blood Banking
|---------------|------------------
| 8:00am - 9:00am | Plasma Volume and Tissue Edema: Balancing Two Extracellular Fluid Circulations of Albumin and Its Solvent - Woodcock
| 9:30am - 10:30am | Introduction to RISE and GM Paradigm for Rational Fluid Prescribing - Woodcock

**FLUID THERAPY**

| Time          | General Fluid Therapy
|---------------|------------------
| 8:00am - 9:00am | Fluid Therapy in the Septic Patient - Palmer
| 9:30am - 10:30am | Hyperosmolar Syndrome - Harris
| 11:00am - 12:00pm | Management of AKI - Mathews

**EXOTICS**

| Time          | Exotics Fluid Therapy
|---------------|------------------
| 8:00am - 9:00am | Fluid Therapy in the Septic Patient - Palmer
| 9:30am - 10:30am | Hyperosmolar Syndrome - Harris
| 11:00am - 12:00pm | Management of AKI - Mathews

**LARGE ANIMAL**

| Time          | Large Animal Fluid Therapy
|---------------|------------------
| 8:00am - 9:00am | Fluid Therapy in the Septic Patient - Palmer
| 9:30am - 10:30am | Hyperosmolar Syndrome - Harris
| 11:00am - 12:00pm | Management of AKI - Mathews

**PRACTICE MANAGEMENT**

| Time          | Practice Management
|---------------|------------------
| 8:00am - 9:00am | Fluid Therapy in the Septic Patient - Palmer
| 9:30am - 10:30am | Hyperosmolar Syndrome - Harris
| 11:00am - 12:00pm | Management of AKI - Mathews

**ICU**

| Time          | ICU Fluid Therapy
|---------------|------------------
| 8:00am - 9:00am | Fluid Therapy in the Septic Patient - Palmer
| 9:30am - 10:30am | Hyperosmolar Syndrome - Harris
| 11:00am - 12:00pm | Management of AKI - Mathews

**ACVIM / IVAPM SPECIAL FOCUS ABSTRACTS**

| Time          | General Special Focus ABSTRACTS
|---------------|------------------
| 8:00am - 9:00am | Endothelial Glycocalyx - Woodcock
| 9:30am - 10:30am | Plasma Volume and Tissue Edema: Balancing Two Extracellular Fluid Circulations of Albumin and Its Solvent - Woodcock
| 11:00am - 12:00pm | Introduction to RISE and GM Paradigm for Rational Fluid Prescribing - Woodcock

**VECCS BOOKSTORE**

| Time          | VCECS Bookstore
|---------------|------------------
| 4:00pm - 5:00pm | VCECS Bookstore

**INTERNATIONAL VETERINARY EMERGENCY AND CRITICAL CARE SYMPOSIUM • 2017**

**Friday, September 15**

**Small Animal Abstracts**

- Endothelial Glycocalyx
- Hyperosmolar Syndrome and Aortic Thromboembolism in a Dog
- Nephrotoxicants in Dogs and Cats
- Pathophysiology of AKI

**Exotics Abstracts**

- Fluid Therapy in the Septic Patient
- Hyperosmolar Syndrome
- Management of AKI

**Large Animal Abstracts**

- Fluid Therapy in the Septic Patient
- Hyperosmolar Syndrome
- Management of AKI

**Practice Management Abstracts**

- Fluid Therapy in the Septic Patient
- Hyperosmolar Syndrome
- Management of AKI

**General Abstracts**

- Fluid Therapy in the Septic Patient
- Hyperosmolar Syndrome
- Management of AKI

**VECCS Bookstore**

- VCECS Bookstore

**FRIDAY - SEPTEMBER 15**

**VECCS BOOKSTORE**

| Time          | Bookstore
|---------------|------------------
| 9:00am - 6:00pm | VCECS Bookstore

**FRIDAY - SEPTEMBER 15**

**VECCS BOOKSTORE**

| Time          | Bookstore
|---------------|------------------
| 9:00am - 6:00pm | VCECS Bookstore
### FRIDAY - SEPTEMBER 15

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Location</th>
<th>Description</th>
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</thead>
<tbody>
<tr>
<td>8:00am</td>
<td>9:00am</td>
<td>Ryan Studio A</td>
<td>Veterinary Fees for Emergency and Specialty Hospitals Master Class - Osbome</td>
</tr>
<tr>
<td>9:00am</td>
<td>10:00am</td>
<td>Ryan Studio B</td>
<td>Strategies for Sanitary Setting Boundaries, Saying No, and Daily Debriefing - Holowaychuk</td>
</tr>
<tr>
<td>10:00am</td>
<td>11:00am</td>
<td>Ryan Studio C</td>
<td>Wellness and Positivity in the Workplace - Holowaychuk</td>
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### Sunday September 17

<table>
<thead>
<tr>
<th>Session</th>
<th>Time</th>
<th>Location</th>
<th>Description</th>
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<tbody>
<tr>
<td>1:30pm</td>
<td>3:30pm</td>
<td>Ryan Studio D</td>
<td>Feline Urethral Obstruction: Pearls of Practice - Grossman</td>
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<tr>
<td>3:30pm</td>
<td>5:30pm</td>
<td>Ryan Studio E</td>
<td>Creating a Compassionate Practice from the Inside Out by Focusing on Core Principles - Grossman-Odwyer</td>
</tr>
<tr>
<td>5:30pm</td>
<td>7:00pm</td>
<td>Ryan Studio F</td>
<td>Those Hard to Cover Places: Case Discussion and Workshop for Advanced Bandaging Techniques - Sullivan-Boysen-Chamberlin-DeFrancesco-G Lisciandro-S Lisciandro-Sullivan</td>
</tr>
<tr>
<td>7:00pm</td>
<td>9:00pm</td>
<td>Ryan Studio G</td>
<td>Emergency and Specialty Hospitals Master Class - Osbome</td>
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</tbody>
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### Agenda

- **AVCETT PINNING CEREMONY & MEMBERSHIP RECEPTION**
  - Tuesday, September 19
  - 7:00 PM - 9:30 PM
  - Sponsored by

- **AVCETT DIPLOMATE MEETING**
  - Wednesday, September 20
  - 6:30 PM
  - Resident, Intern, Student Reception
  - 7:00 PM - 8:30 PM
  - Sponsored by

- **ACVETT DIPLOMATE MEETING**
  - Wednesday, September 20
  - 6:30 PM
  - Resident, Intern, Student Reception
  - 7:00 PM - 8:30 PM
  - Sponsored by

- **AVCETT INFORMATION SESSION**
  - Thursday, September 21
  - 1:30 PM - 2:30 PM
  - Sponsored by

- **ACVETT BUSINESS LUNCHEON & DISCUSSION**
  - Friday, September 22
  - 12:15 PM - 2:30 PM
  - Sponsored by

- **AVCETT INFORMATION SESSION**
  - Friday, September 22
  - 3:00 PM - 5:00 PM
  - Sponsored by

- **FREE HOURS IN EXHIBIT HALL**
  - Friday, September 22
  - 5:15 PM - 6:30 PM
  - Sponsored by

### Fees

- Fee: $30 for Session 411T
- Fee: $30 for Session 412T
- Fee: $40 for Session 413T
- Fee: $40 for Session 414T
- Fee: $90 for Session 415T
- Fee: $90 for Session 416T
- Fee: $180 for Session 417T
- Fee: $180 for Session 418T

### Notes

- **Note:** Enrollment in 691.1 is not required to take this course.
- **Note:** Free for 411T includes fee for both courses (412 & 414).
<table>
<thead>
<tr>
<th>TIME</th>
<th>SESSIONS</th>
<th>расположение</th>
<th>SIDE ROOMS</th>
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</thead>
<tbody>
<tr>
<td>8:00am</td>
<td>511. Learning to Use Ultrasound for UGRA - Beat Practices -Mariano</td>
<td>TENNESSEE C</td>
<td>PRESIDENTIAL A</td>
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<td></td>
<td>521. Decision Making for the Inapprarent Patient: Appetite Stimulants,</td>
<td>PRESENTIAL C</td>
<td>PRESIDENTIAL D</td>
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<td>When to Place Tubes, Etc -Murphy</td>
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<td>531. The When, Why, and How of Antimicrobial Drug Classes -S Epstein</td>
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<td>541. Alternatives to Allogenic Transfusion -Lynch</td>
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<td>551. Global FAST use for Patient Monitoring During Resuscitation, and</td>
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<td>for the Rapid Detection of Treatable Causes of Shock and CPR</td>
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<td>9:00am</td>
<td>512. Adjuncts to Local Anesthesia: How Do They Work and What Do They Do</td>
<td>TENNESSEE C</td>
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<td></td>
<td>-Mariano</td>
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<td>532. Antimicrobial Use in the Emergency Patient -S Epstein</td>
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<td>542. Autotransfusion and Red Blood Cell Salvage -Humm</td>
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<td>552. Sodium Bicarbonate Should Never Be Used Except When it Should</td>
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<td>Corley</td>
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<td>562. Allogenic Transfusion -Burkitt Creedon</td>
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<td>10:00am</td>
<td>513. What ‘Big Data’ Can Do for Regional Analgesia -Mariano</td>
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<td>523. The Role of Parenteral Nutrition in the Critical Patient -Murphy</td>
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<td>533. Controversies in Plasma Use: Case Based Discussion -Hobzychuk -</td>
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<td>Wailer</td>
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<td>543. Diagnostic Imaging Tips in Feline Respiratory Distress -Rozanski</td>
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<td>11:00am</td>
<td>514. Esophageal Doppler Monitoring for the Determination of Fluid</td>
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<td>Responsiveness -Muir</td>
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<td>524. The Importance of Serum Albumin Concentration: An Update -</td>
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<td>Mazzalbero</td>
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<td>534. Acute Respiratory Distress Syndrome -Gallaurini</td>
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<td>544. Thrombosis -Gogg</td>
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<td>554. Gastrointestinal Surgery Core Principles -Winker</td>
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<td>12:00pm</td>
<td>515. MK-467: A Novel Alpha Agonist Against Hypoalbuminemia -Gallaurini</td>
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<td>535. Pulmonary Thromboembolism -Lynch</td>
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<td>545. Recent Advancements in Thrombolysis in Feline Aortic</td>
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<td>Thromboembolism -Gallaurini</td>
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<td>555. Diaphragmatic Hernia -Winker</td>
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<td>4:00pm</td>
<td>516. Jet Ventilation -Pascoe</td>
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<td>PRESIDENTIAL A</td>
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<td>526. Hospital-Acquired Respiratory Distress -Rozanski</td>
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<td>536. AntiBioactive Drugs: What is Our Current Understanding of Their</td>
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<td>Role -Kuo</td>
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<td>546. Gall Bladder Mucoceles and Bilary Obstruction -Lux</td>
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<tr>
<td>5:00pm</td>
<td>517. Year-In-Review -Burkitt Creedon</td>
<td>TENNESSEE C</td>
<td>PRESIDENTIAL A</td>
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<td>527. Fluid Overload: Recognition and Management -Corley</td>
<td>PRESENTIAL C</td>
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<td>537. Sodium Bicarbonate Should Never Be Used Except When it Should</td>
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<td>547. Allogenic Transfusion -Burkitt Creedon</td>
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**REPRODUCTION**

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<td>TENNESSEE C</td>
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<td>2:45pm</td>
<td>PRESENTIAL C</td>
<td>PRESIDENTIAL D</td>
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**PRACTICE MANAGEMENT**

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<tr>
<td>4:00pm</td>
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**LUNCH & LEARN**

Breakfast Lectures and Lunch & Learn Sessions are open to all registrants. Space is limited and on a first come, first serve basis.

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<tr>
<td>12:15</td>
<td>Jet Ventilation -Pascoe</td>
<td>TENNESSEE C</td>
<td>PRESIDENTIAL A</td>
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<td>2:45pm</td>
<td>40. Jet Ventilation -Pascoe</td>
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<td>4:00pm</td>
<td>41. Jet Ventilation -Pascoe</td>
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### SATURDAY - SEPTEMBER 16

#### INTERNATIONAL VETERINARY EMERGENCY AND CRITICAL CARE SYMPOSIUM • 2017

<table>
<thead>
<tr>
<th>TECHNICIAN ADVANCED</th>
<th>TECHNICIAN AVTA - TECHNICIAN</th>
<th>LIMITED ENROLLMENT</th>
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<td>TENNESSEE A</td>
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<td>RYMAN STUDIO J</td>
<td>RYMAN STUDIO L</td>
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#### 8:00am - 9:00am
- **611T** Myths: Bloods: Even Bloodier Truths and Myths of Transfusion Medicine
- **612T** Huff, Puff, and Purr: Stabilizing the Anesthetized Patient: Theory, Practical Applications, and Troubleshooting
- **613T** Kirby’s Rule of 20

#### 9:00am - 10:00am
- **614T** Re-Evaluating Intraoperative Fluid Therapy
- **615T** Under Pressure: Understanding the Physics of Positive Pressure Ventilation: Part 1
- **616T** Under Pressure: Understanding the Physics of Positive Pressure Ventilation: Part 2

#### 10:00am - 11:00am
- **617T** The Clot Thickens: Coagulation and The ICU Patient
- **618T** Castration: Advanced Monitoring for Anesthesia and CPR
- **619T** Acute Pain Management: It’s Not Just Because We’re Nice People

#### 11:00am - 12:00pm
- **620T** Electrolyte Imbalances: Case Based Approach to Successful Management
- **621T** Envenomation Cases
- **622T** Learning Your ABGs: Interpreting Arterial Blood Gases

#### 12:00pm - 1:00pm
- **623T** Re-Evaluating Intraoperative Fluid Therapy
- **624T** Under Pressure: Understanding the Physics of Positive Pressure Ventilation: Part 1
- **625T** Under Pressure: Understanding the Physics of Positive Pressure Ventilation: Part 2

#### 1:00pm - 2:00pm
- **626T** Re-Evaluating Intraoperative Fluid Therapy
- **627T** Castration: Advanced Monitoring for Anesthesia and CPR
- **628T** Acute Pain Management: It’s Not Just Because We’re Nice People

#### 2:00pm - 3:00pm
- **629T** The Clot Thickens: Coagulation and The ICU Patient
- **630T** Capnography: Advanced Monitoring for Anesthesia and CPR
- **631T** Acute Pain Management: It’s Not Just Because We’re Nice People

#### 3:00pm - 4:00pm
- **632T** Huff, Puff, and Purr: Stabilizing the Anesthetized Patient: Theory, Practical Applications, and Troubleshooting
- **633T** Technician Manager’s Master Class
- **634T** Mini Workshop: Placement, Care and Management of Urinary Catheters

#### 4:00pm - 5:00pm
- **635T** Electrolyte Imbalances: Case Based Approach to Successful Management
- **636T** Envenomation Cases
- **637T** Learning Your ABGs: Interpreting Arterial Blood Gases

#### 5:00pm - 6:00pm
- **638T** Re-Evaluating Intraoperative Fluid Therapy
- **639T** Under Pressure: Understanding the Physics of Positive Pressure Ventilation: Part 1
- **640T** Under Pressure: Understanding the Physics of Positive Pressure Ventilation: Part 2

#### 6:00pm - 7:00pm
- **641T** Electrolyte Imbalances: Case Based Approach to Successful Management
- **642T** Envenomation Cases
- **643T** Learning Your ABGs: Interpreting Arterial Blood Gases

#### 7:00pm - 8:00pm
- **644T** Re-Evaluating Intraoperative Fluid Therapy
- **645T** Under Pressure: Understanding the Physics of Positive Pressure Ventilation: Part 1
- **646T** Under Pressure: Understanding the Physics of Positive Pressure Ventilation: Part 2

#### 8:00pm - 9:00pm
- **647T** Electrolyte Imbalances: Case Based Approach to Successful Management
- **648T** Envenomation Cases
- **649T** Learning Your ABGs: Interpreting Arterial Blood Gases