

*DoveLewis*<sup>®</sup>  
**Third Thursday  
Rounds**

BROUGHT TO YOU BY



**August 20, 2020**

**Leptospirosis: A Review of Clinical  
Signs, Diagnostic Testing, Prevention,  
and Treatment**

Presented by Veterinary Internist  
*Staci Goussev, DVM, DACVIM*

- 
- 2 Virtual Experience Guide
  - 3 Lecture Notes
  - 4 Blank Lecture Paper

*DoveLewis*  
**Third Thursday  
Rounds**

# Virtual Third Thursday: Attendee FAQ's

---

**Do I need to create my own Zoom account to attend?**

No. You can access the webinar through a link provided on your phone, computer or tablet.

**Is there someone to help if I have trouble accessing the lecture?**

Yes. Please reach us at [contact@dovelewis.org](mailto:contact@dovelewis.org) if you're experiencing difficulties joining the meeting. During the lecture, you can use the "Raise Hand" function and someone will be able to help you.

**Is attendance tracked?**

Yes. As you register for the Zoom meeting, you will be asked to enter your name and email. Attendance is tracked for RACE records.

**Is this lecture RACE approved?**

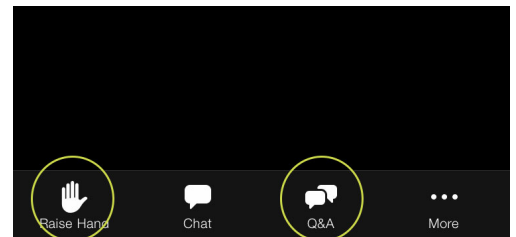
Yes. This lecture is RACE-Approved for one Interactive-Distance CE credit. You will receive an emailed certificate of attendance within one business day after the event.

**Will I be able to ask questions?**

Yes. If you have questions during the lecture, please use the Q&A function to submit your question. We will save questions for the end of the lecture.

**Will I be able to talk?**

No. All attendees will be in listen-only mode. If you have a question or need help, use the Q&A or Raise Hand function.



**Will the presenter or other attendees be able to see me?**

No. All attendees will only have the capability to listen to the presenter.

**How will I get my certificate?**

You must register by using the Zoom link to prove attendance. You will receive an emailed certificate of attendance within one business day after the event.

**Do I have to answer the poll questions?**

No. The poll questions are optional, but we encourage you to try!

**Can I record the lecture?**

No. The lecture will only be recorded by DoveLewis, and will likely be available on [atdove.org](http://atdove.org) at a later date.

For more support, please email [contact@dovelewis.org](mailto:contact@dovelewis.org)

### **Basic Information**

Leptospirosis is a zoonotic disease caused by thin, motile, gram-negative spirochetes of the genus *Leptospira*

Outdoor male intact working dogs may be at higher risk of infection

### **Clinical Presentation**

Often present with non-specific signs: lethargy, anorexia, vomiting, polyuria, increased respiratory effort

Findings of acute kidney injury or acute liver injury are common. May also see thrombocytopenia

### **Confirmatory Testing**

Microscopic Agglutination test (MAT)

- Should not be used to determine causative serovar
- Initial titer with acute illness often negative
- Suggestive positive if single titer > 1:800 in unvaccinated animal OR > 1:6400 in vaccinated animal
- Recommended to have paired titers 2-4 weeks apart that show fourfold increase in titer or seroconversion from positive to negative

### **PCR Testing**

- Sensitive and specific and may be positive with acute infection
- May have false negative if pre-treatment with antibiotics
- Recommended to submit both urine and blood for testing

Point of Care testing is available

### **Treatment**

Doxycycline 5mg/kg PO or IV q 12 hours for 2 weeks will treat leptospiremia and clears carrier state

### **References**

- Cote's Clinical Veterinary Advisor Dogs and Cats, 4th Edition, pages 583-585
- 2010 ACVIM Small Animal Consensus Statement on Leptospirosis

*DoveLewis*  
**Third Thursday  
Rounds**

*My Lecture Notes*

---



**DoveLewis Veterinary Emergency & Specialty Hospital**  
1945 NW Pettygrove St. Portland, OR | P 503-228-7281 F 503-228-0464 W [dovelewis.org](http://dovelewis.org)

# VetWrap

Volume 14 Issue 2

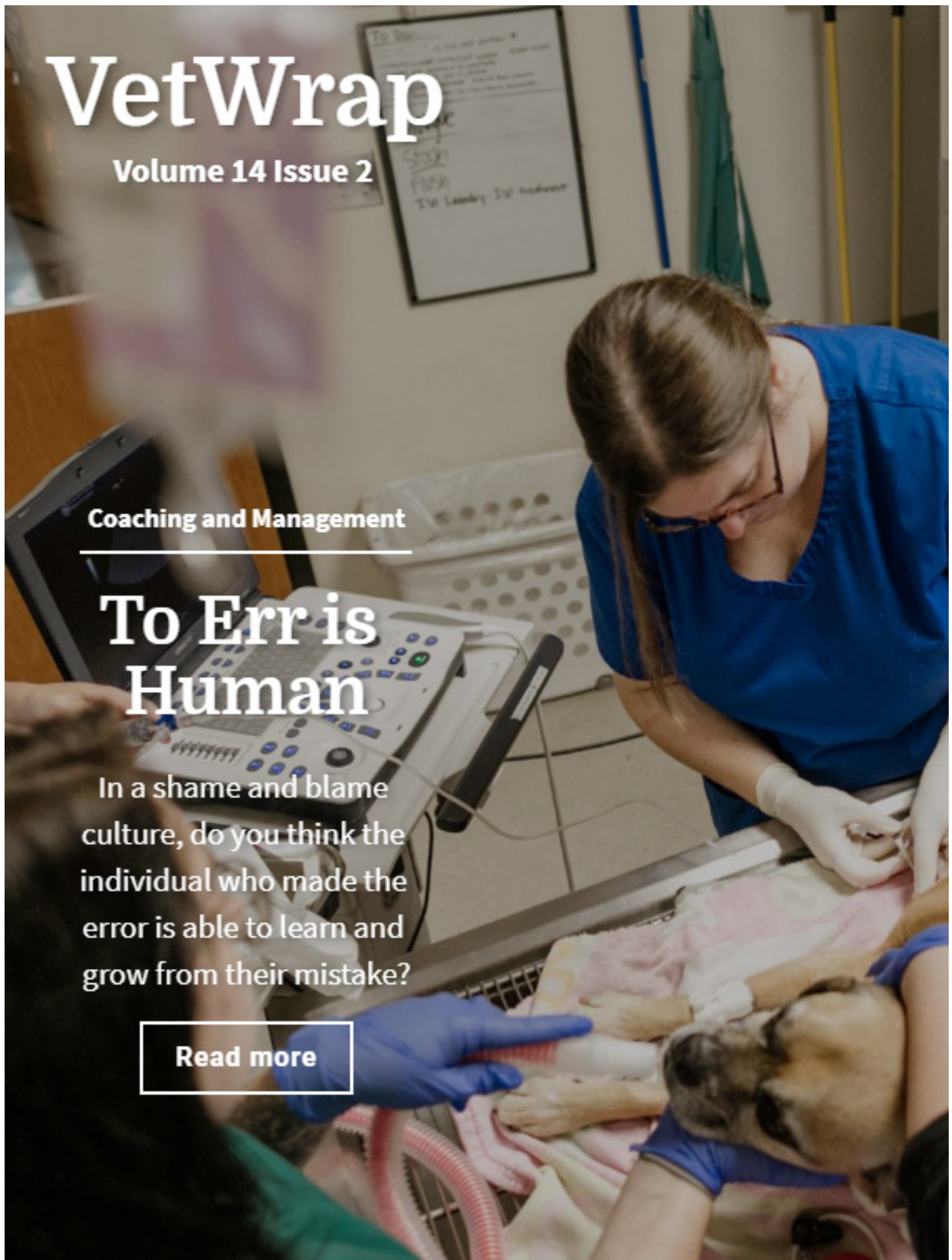
Coaching and Management

---

## To Err is Human

In a shame and blame culture, do you think the individual who made the error is able to learn and grow from their mistake?

[Read more](#)





# Online Training, Whenever You Need It

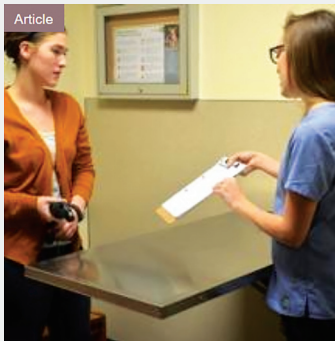
You and your team all have different learning goals, and we've got you covered. [Atdove.org](https://atdove.org) is your all-in-one online training resource that connects the whole team with high-quality training materials covering a wide range of topics. You can find resources on anything from basic restraint to client communication to advanced surgical techniques, and you can revisit materials whenever you need. Progress is saved directly to your profile and you can access certificates at any time.

## Your First Week Is Free!

Activate your week-long trial by going to [atdove.org](https://atdove.org) and see what we can offer your team!

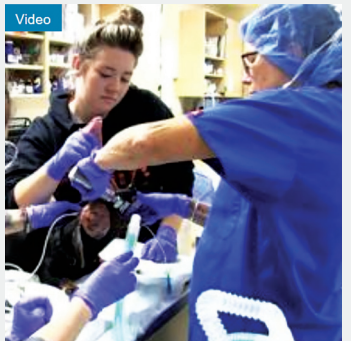
### Efficient Recording Sharing: A CSR's Perspective

Article



### Facial Mass Removal

Video



### Handling Hedgehogs for Exams

Video



### How to Put on Personal Protective Equipment (PPE)

Video

