



May 16th–20th 2022
Lake Garda, Italy

COURSE DIRECTOR

Prof. Roberto A. Santilli DVM, PhD, D.E.C.V.I.M.-C.A. (Cardiology)
Adjunct Professor of Cardiology – Cornell University - USA

2ND
EDITION

ARR HYTH MIAS *BOOT CAMP*



From ECG Interpretation to Treatment

SPEAKERS

Prof. N. Sydney Moïse DVM, MS, D.A.C.V.I.M. (Cardiology and Internal Medicine)
C. V. Starr Professor of Cardiology – Cornell - USA

Prof. Romain Pariaut DVM, D.A.C.V.I.M. (Cardiology) - D.E.C.V.I.M.-C.A. (Cardiology)
Associate Professor of Cardiology – Cornell - USA

Dr. Manuela Perego DVM, D.E.C.V.I.M.-C.A. (Cardiology)

Dr. Dolores Maria Porteiro Vazquez DVM

Dr. Lucia Ramera DVM

Prof. Roberto A. Santilli DVM, PhD, D.E.C.V.I.M.-C.A. (Cardiology)
Adjunct Professor of Cardiology – Cornell University - USA

Lectures will be held all in English

INTRODUCTION

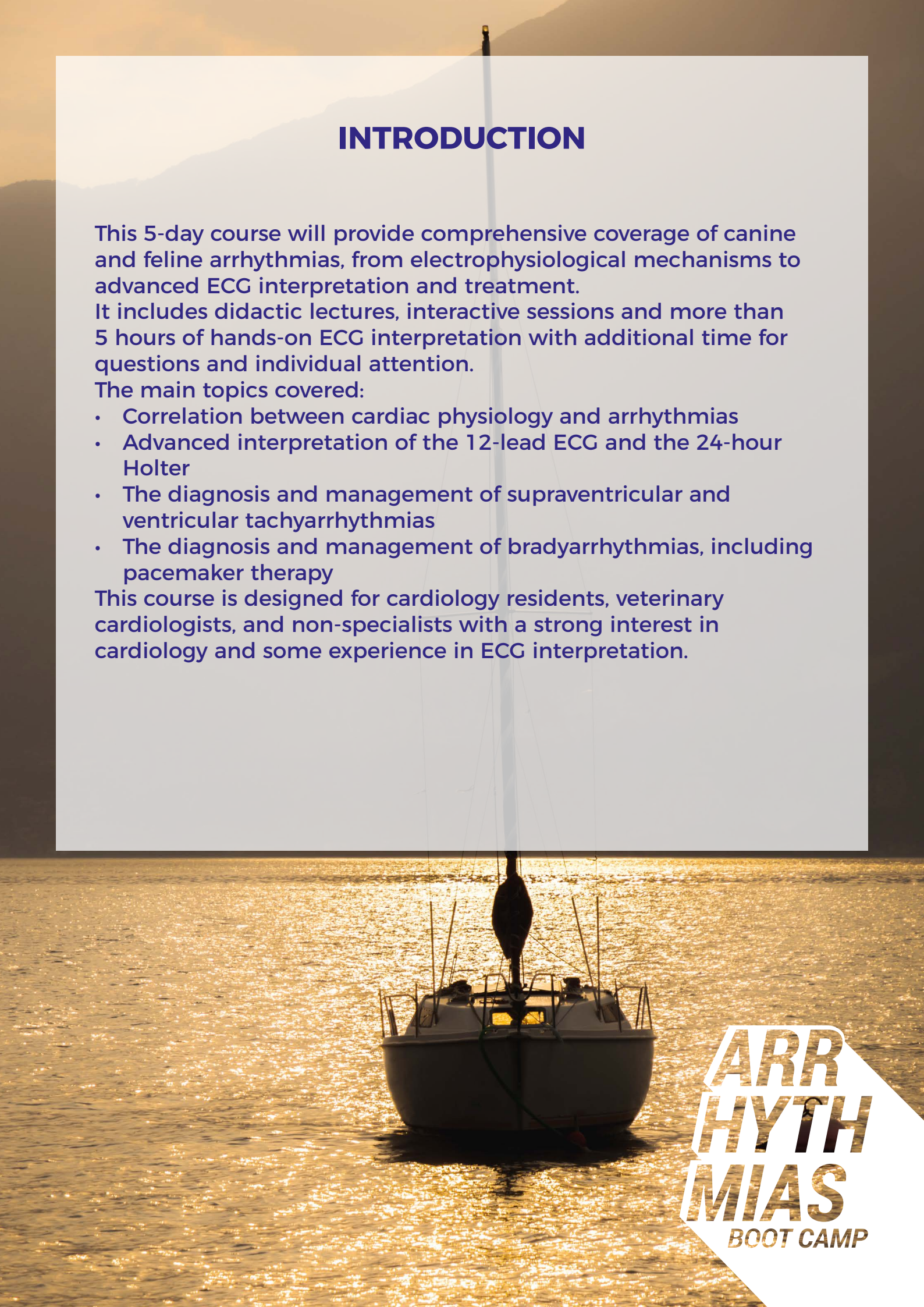
This 5-day course will provide comprehensive coverage of canine and feline arrhythmias, from electrophysiological mechanisms to advanced ECG interpretation and treatment.

It includes didactic lectures, interactive sessions and more than 5 hours of hands-on ECG interpretation with additional time for questions and individual attention.

The main topics covered:

- Correlation between cardiac physiology and arrhythmias
- Advanced interpretation of the 12-lead ECG and the 24-hour Holter
- The diagnosis and management of supraventricular and ventricular tachyarrhythmias
- The diagnosis and management of bradyarrhythmias, including pacemaker therapy

This course is designed for cardiology residents, veterinary cardiologists, and non-specialists with a strong interest in cardiology and some experience in ECG interpretation.



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DAY 1

MONDAY MAY 16TH

14:30 | Welcome and introduction

14:45 | Review of the anatomy and electrophysiologic properties of the conduction system Prof. R. Pariaut

16:30 | Coffee break

17:00 | Principles of electrocardiography and lead systems, ECG waveform formation and ECG interpretation Prof. R. Santilli

18:30 | Discussion



18:40 | LIGHT REFRESHMENT

19:30

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DAY 2

TUESDAY MAY 17TH

- 09:00** | **Relating the mechanism of arrhythmias and conduction to treatment** Prof. N. S. Moïse
- 11:00** | Coffee break
- 11:30** | **Classification of arrhythmias** Dr. M. Perego
- 11:55** | **Atrial fibrillation** Prof. R. Pariaut
- 13:00** | Lunch break
- 14:30** | **Supraventricular tachycardias** Prof. R. Santilli
- 16:30** | Coffee break
- 17:00** | **Small group workshop on supraventricular arrhythmias**
- 18:30** | Discussion

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DAY 3

WEDNESDAY MAY 18TH

- 09:00** | **Ventricular arrhythmias** Prof. R. Pariaut
- 10:30** | Coffee break
- 11:00** | **Familial ventricular arrhythmias** Prof. R. Santilli
- 12:00** | **Importance of recognizing hemodynamic reflexes in cardiovascular disease** Prof. N. S. Moïse
- 13:00** | Lunch break
- 14:30** | **Small group workshop on ventricular arrhythmias**
- 17:00** | Coffee break
- 17:30** | **Audience voting workshop on supraventricular and ventricular arrhythmias** Prof. R. Santilli, Prof. R. Pariaut, Prof. N. S. Moïse
- 18:30** | Discussion



19:00 | **CRUISE ON THE LAKE:**
21:00 | **LIMONE SUL GARDA**

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DAY 4

THURSDAY MAY 19TH

- 09:00** | **Atrioventricular and intraventricular conduction disturbances** Prof. R. Santilli
- 10:30** | Coffee break
- 11:00** | **Step by step Holter analysis recordings** Prof. N. S. Moïse
- 13:00** | Lunch break
- 14:30** | **Diagnosis and treatment of sinus node disorders** Prof. N. S. Moïse
- 15:30** | **Small group workshop on bradyarrhythmias and bundle branch block**
- 17:00** | **Others bradyarrhythmias** Dr. M. Perego
- 17:30** | Coffee break
- 18:30** | **Audience voting workshop on differential diagnosis of wide QRS complex tachycardia** Prof. R. Pariaut
- 19:00** | Discussion

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DAY 5

FRIDAY MAY 20TH

- 09:00** | **Pacemaker therapy and electrocardiography in animals with pacemakers** Prof. N. S. Moïse
- 10:00** | **Treatment of supraventricular tachycardias** Prof. R. Santilli
- 11:00** | Coffee break
- 11:30** | **Treatment of ventricular tachycardias** Prof. R. Pariaut
- 12:30** | **Case discussion**
Prof. N. S. Moïse, Prof. R. Pariaut, Dr. M. Perego, Prof. R. Santilli
- 13:30** | Conclusion

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SOCIAL PROGRAM

MONDAY MAY 16TH

LIGHT REFRESHMENT



WELCOME TO ITALY!

Unisvet is glad to offer you a light refreshment after the first day of lessons. Just a toast on the terrace of Riva del Garda Fierecongressi to get to know each other!

We'll wait for you after the discussion to stay together 'till 7.30 p.m.

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WEDNESDAY MAY 18TH

CRUISE ON THE LAKE



SAILING ON THE LAKE!

The excursion, offered by Unisvet, sets off with a tour guide from a private mooring in Riva del Garda. The cruise takes you along the western shores of the lake offering breath-taking views not normally visible from the roads, such as a waterfall, hidden inlets and the intense blue of the lake itself, making this boat trip a unique experience. After around half an hour, you will reach Limone, in the province of Brescia, famous for its lemon groves. The guided tour will take you through the narrow lanes of the quaint little town for about 45 minutes.

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COURSE DIRECTOR



Prof. Roberto A. Santilli DVM, PhD, D.E.C.V.I.M.-C.A. (Cardiology)
Adjunct Professor of Cardiology – Cornell University - USA

Roberto Santilli graduated from the College of Veterinary Medicine of the University of Milan in 1990. He became an European specialist in cardiology in 1999. Between 2004 and 2006, he completed a Master in Electrophysiology and electrical stimulation at the University of Medicine of Insubria. He then obtained a PhD at the University of Turin – College of Veterinary Internal medicine in 2010. Roberto Santilli is the head of the cardiology departments of the Clinica Veterinaria Malpensa - Anicura in Samarate, Varese (Italy) and of the Ospedale Veterinario I Portoni Rossi - Anicura, Bologna (Italy). Since 2014, he has been an Adjunct Professor of Cardiology at the Cornell University College of Veterinary Medicine, where he is actively involved in the activities of the cardiac electrophysiologic laboratory. His main research activities include the diagnosis and treatment of arrhythmias in dogs and cats.



SPEAKER



Prof. N. Sydney Moise DVM, MS, D.A.C.V.I.M. (Cardiology and Internal Medicine)
C. V. Starr Professor of Cardiology – Cornell - USA

Prof. Moise is involved in teaching, clinical practice, and research. Her research has centered on arrhythmias in dogs. Currently, her research is directed toward the normal and abnormal patterning of cardiac rhythms during long-term Holter analysis. She also has orchestrated collaborative studies to understand the mechanisms of degeneration of the mitral valve in dogs. She was awarded the AVMA research award for arrhythmia studies in German shepherds and the Bourgelat Award for international contribution to the clinical practice of veterinary medicine. Dr. Moise was Editor-in Chief (5 years) and Associate Editor (2 years) of the international Journal of Veterinary Cardiology. Previously, she coedited and authored with Dr. Philip Fox and David Sisson the textbook Canine and Feline Cardiology. In 2018 the textbook Electrocardiography of the Dog and Cat authored by Drs. Roberto Santilli, N. Sydney Moise, Romain Pariaut and Manuela Perego. She is currently working on her book Heartbeats..Over Time (Long-term Electrocardiographic Monitoring in the Dog and Cat). She is extensively involved in the international aspects of academic veterinary cardiology including speaking and training.

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SPEAKER



Prof. Romain Pariaut DVM, D.A.C.V.I.M. (Cardiology) - D.E.C.V.I.M.-CA. (Cardiology)
Associate Professor of Cardiology – Cornell - USA

Romain Pariaut has been practicing veterinary cardiology since 2002. He received his DVM from the National School of Veterinary Medicine (ENVL) in Lyon, France. He stayed in Lyon as a small animal rotating Intern, and was then a Clinical Instructor in Emergency and Critical Care. He completed a residency in Veterinary Cardiology at Cornell University in 2005. Prior to joining the faculty at Cornell University, Dr. Pariaut was an Associate Professor and Service Chief of Cardiology at Louisiana State University. His emphasis is on interventional cardiology and arrhythmia management. Dr. Pariaut is also an Associate Editor of the Journal of Veterinary Cardiology. He is board certified by the American College of Veterinary Internal Medicine (ACVIM) and the European College of Veterinary Internal Medicine (ECVIM-CA).

SPEAKER



Dr. Manuela Perego DVM, Dipl. ECVIM – CA (Cardiology)

Manuela Perego graduated from the University of Milan in 2003. In 2003 she started a collaboration at the Malpensa Veterinary Clinic - Anicura (Samarate-VA) and in 2012 at the I Portoni Rossi Hospital - Anicura (Zola Predosa-BO) dealing with echocardiography, arrhythmology and interventional cardiology procedures. In 2019 she obtained the European Diploma of Internal Medicine Specialty of Cardiology. She is author of articles related to cardiology and arrhythmology in Italian and international journals, of the book *Electrocardiography of the dog and cat* (2009, Elsevier-2018 Edra) and co-author of the book *Manual of Cardiology of the dog and cat* (2012, Elsevier). She has been a speaker at various Italian and International Congresses.

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SPEAKER

Dr. Dolores Maria Porteiro Vazquez DVM



Dolores Porteiro graduated from the College of Veterinary Medicine of Santiago de Compostela in 2005. Between 2005 and 2011, she collaborated with different Clinics in Madrid (Spain). She completed a cardiology intership from February 2012 to July 2013 with Doctor Claudio Bussadori and Doctor Roberto Santilli (Italy). She started her Residency program in Cardiology with Doctor Santilli (ECVIM-CA Cardiology) in August 2013. She finished her residency program in 2016 and she is working as cardiology in Clinica Veterinaria Malpensa (Varese, Italy) and Hospital Veterinario Puchol (Madrid, Spain). She has published in different national and international journals. Also she has presented scientific articles in national and international congress. Her main research activities include the arrhythmology.

SPEAKER

Dr. Lucia Ramera DVM



Since 2000 she's co-worker with Dr. Roberto Santilli for scientific papers, courses and the telemedicine service "ecgontheweb.com". Her works focused on junctional tachycardia, isorhythmic atrioventricular dissociation and R-peak time. Collaborator in the publication of the books "Elettrocardiografia del cane e del gatto. Genesi e interpretazione del ritmo cardiaco", 2009 and "Manuale di cardiologia del cane e del gatto", 2012 both editing by Elsevier, either of the DVDs "Elettrocardiografia del cane e del gatto", 2014 ed. Boehringer Ingelheim. In 2019 she completed the "Certificato europeo di competenza in ecocardiografia veterinaria". Actually she works like free-lance cardiologist.

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COURSE FEE:

- **€ 950** Resident of European, American Veterinary Colleges and ESVC Members*
- **€ 1.250** Other

Subscription must be done online within 24th April 2022

* Please send at segreteria@univet.it a document certifying that you are Resident of European and American Veterinary Specialist Colleges or ESVC Member

This is a restricted access course with a maximum number of **72 PARTICIPANTS**

COURSE AND PAYMENT INFORMATION

- No VAT included or requested because our courses are **VAT exempt**
- In no case the registration fee will be refunded (not even a partial amount of the registration fee)
- The registration will be confirmed only if followed, within 48 hours from the **copy of the payment bank transfer** (sent by fax or e-mail); otherwise the registration will be cancelled as a matter of course with no further communications
- You should take the registration process as confirmed when you receive a confirmation SMS (within 2 or 3 weekdays); otherwise please contact our offices

REGISTRATION

- Only UNISVET members can register for the course
- To become a member, register at www.univet.it (UNISVET membership is free)

THE REGISTRATION ENTITLES TO

- Participate to the course
- Course proceedings
- Participation certificate
- Lunches and coffee breaks (Please email to segreteria@univet.it for any **food intolerance and special diets**)
- Monday's Light Refreshment
- Cruise on the Lake Garda



CONGRESS CENTRE PARCO LIDO, 38066 RIVA DEL GARDA, ITALY

HOW TO REACH THE VENUE

<https://www.rivadelgardacongressi.it/en/contacts/>



CONTACTS

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This program 1263-33680 is approved by the AAVSB RACE to offer a total of 21.50 CE Credits (21.50 max) being available to any one veterinarian: and/or 0.00 Veterinary Technician CE Credits (0.00 max). This RACE approval is for the subject matter categories of:

Category Two: Non-Scientific-Clinical using the delivery method of Seminar/Lecture. This approval is valid in jurisdictions which recognize AAVSB RACE; however, participants are responsible for ascertaining each board's CE requirements. RACE does not "accredit" or "endorse" or "certify" any program or person, nor does RACE approval validate the content of the program.

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LAKE GARDA

Italy's largest lake, blessed with a benign climate and diversity of landscape, with Venice and the Alps to the east and Milan to the west, Lake Garda is one of the most beautiful and naturally peaceful spots in Europe and has been a popular touristic area for millenia. The region's popularity with wealth and power is reflected in the variety and beauty of the lake's resort towns.



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RIVA DEL GARDA

A town as precious as a gem. Riva del Garda is actually defined with these terms: the gem of Lake Garda.

It is a small Italian town with an international soul, central European in style, yet with a Mediterranean climate.

With its breath-taking lake views, getting around on foot or by bicycle is simple, allowing you to enjoy the clean air, the mild climate all year round and the peace and quiet of this beautiful, unspoilt area. Participants are sure to appreciate the added value that Riva del Garda's healthy lifestyle and feel good factor can offer. The expanse of water and variety of countryside make the area a real outdoor recreation ground. Besides sailing and windsurfing that have made Lake Garda famous throughout the world, there are plenty of other sports you can do. Bike enthusiasts can venture along the over 1000 km of marked trails and, by 2021, the "Garda by Lake", a 140 km cycle path around the lake, is planned.



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