



FRIDAY May 24th, 2024

- 07:30 – 08:55 Registration
09:00 – 09:20 Opening ceremony, introductory word

Plenary lecture

- 09:25 – 10:05 **Emergency cases in reptile practice**
Zdenek Knotek (CZ)

SECTION Basic preclinical sciences

Chairpersons: Valentina Kubale (SI), Maja Belić (CRO), Danijel Špoljarić (CRO), Duje Lisičić (CRO)

Invited lectures

- 10:10 – 10:40 **Amphibians and reptiles: marvels of physiology**
Duje Lisičić (CRO)
- 10:45 – 11:15 **Seeing Through Water: Anatomical and Histological Diversity in Fish Eyes with Histological Adaptations of Some Species**
Amira Derbalah, Samir A.A. El-Gendy, Hanan H. Abd-Elhafeez, Soha Soliman, Ahmed A. El-Mansi, Manal Seif, Ahmed M. Rashwan, Mohamed A.M. Alsafy, Valentina Kubale (SI)
- 11:20 – 11:50 **Branching pattern of the external carotid artery in the african green monkey (*Cercopithecus aethiops sabeus*)**
Milos Blagojevic (RS), Srebrenka Nejedli, Maciej Zdun, Ozan Gündemir, Iliana Ruzhanova-Gospodinova, Ivana Nestic, Milena Djordjevic, Nikola Cukic, Dejana Cupic-Miladinovic

11:55 - 12:15 COFFE BREAK

Oral presentations

- 12:15 – 12:25 **The significance of the specificity of the digestive system and microbial fermentation in the digestion of herbivorous lizards**
Ivona Žura Žaja, Josip Miljković, Mirela Pavić Vulinović, Dražen Đuričić, Marinko Vilić, Stefani Fruk (CRO), Ines Ema Šelendić, Marko Samardžija, Ana Shek Vugrovečki



- 12:30 – 12:40 **The influence of captivity on aggressivity of wild caught and laboratory raised Italian wall lizard, *Podarcis siculus***
Martina Kaniža Kreš (CRO), Iva Pintarić, Duje Lisičić, Marko Glogoški, Tomislav Gojak, Anamaria Štambuk
- 12:45 – 12:55 **Fatty acid composition – what can we learn from**
Lana Pađen (CRO), Jelena Filipović, Jasna Aladrović
- 13:00 – 13:10 **Preferred body temperature of Italian lizards (*Podarcis siculus*) and common wall lizards (*Podarcis muralis*) under laboratory conditions**
Kristina Deur (CRO), Duje Lisičić, Martina Ferencić, Vanesa Plavnik, Tomislav Gojak
- 13:15 – 13:25 **Machine learning in behavioural biology: using deep neural networks to assess aggression in lizards**
Lina Bajić (CRO), Sofia Ana Blažević, Marko Glogoški, Tomislav Gojak, Duje Lisičić
- 13:30 – 13:40 **Development, anatomical and histological organisation of central nervous system in snakes**
Doroteja Hunjadi (CRO), Srebrenka Nejedli
- 13:45 – 13:55 **Skin Color of Lizards, Purpose of Change and How it Changes in panther chameleon (*Furcifer pardalis*) and green anole (*Anola carolinensis*)**
Flora Lalić (CRO), Srebrenka Nejedli
- 14:00 – 14:10 **The characteristics of renal sexual segment in reptiles**
Katja Kržišnik (CRO), Josip Miljković, Tomislav Gojak, Duje Lisičić, Lucija Bastiančić

14:15 – 15:30 LUNCH BREAK (1st floor main building)

14:45 – 15:30 POSTER SECTION (2nd floor main building)

Chairpersons: Lana Pađen (CRO), Miloš Blagojević (RS), Lucija Bastiančić (CRO), Zdenek Knotek (CZ), Martina Lojkić (CRO)



SECTION Veterinary public health and clinical sciences

Chairpersons: Elizabeth MS Schmidt (BR), Ivana Tlak Gajger (CRO), Gabrijela Jurkić Krsteska (CRO), Amina Hrković-Porobija (BIH)

Invited lectures

- 15:30 – 16:00 **Clinical pathology of Brazilian reptiles**
Elizabeth MS Schmidt (BR)
- 16:05 – 16:35 **The threat of *Tropilaelaps* spp. mites invasions for European beekeeping**
Ivana Tlak Gajger (CRO)

Oral presentations

- 16:40 – 16:50 **Comparison of histopathology and PCR examination results in Arenavirus infection of snakes**
Miloš Halán (SK), Salonee Udani
- 16:55 – 17:05 **Blood analytes reference intervals for Snaked-necked freshwater turtles (*Hydromedusa tectifera*) in southern Brazil**
Elizabeth MS Schmidt (BR), Carolina L Ríos-Phillips, Rogério R Lange, Maiara Paifer Kishida, Franco Pegoraro, Rita MV Mangrich-Rocha
- 17:10 – 17:20 **Lung flukes of the genus *Haematoloechus* sp. in Asian Puddle Frogs (*Occidozyga lima*) from a veterinary point of view**
Susanne Braun (SK), Alica Kočišová
- 17:25 – 17:35 **Clinical approach to the anemic ferret**
Gabrijela Jurkić Krsteska (CRO), Mirna Brkljačić, Ivana Kiš

17:40-17:55 COFFE BREAK

- 17:55 – 18:05 **Congenital anomalies of llamas and alpacas**
Dražen Đuričić (CRO)
- 18:10 – 18:20 **Laboratory diagnosis of anemia in reptiles**
Maja Belić, Maja Lukač, Siniša Faraguna
- 18:25 – 18:35 **Infertility in crested geckos (*Correlophus ciliatus*, Guichenot 1866.)**
Dražen Đuričić (CRO), Maja Lukač, Josip Miljković, Emanuel Budicin, Željko Gottstein, Danijela Horvatek-Tomić



- 18:40 – 18:50 **Blood fatty acid composition of different reptile species – a preliminary study**
Klara Kalčić (CRO), Matea Crnoja, Josip Miljković, Jasna Aladrović, Lana Pađen
- 18:55 – 19:05 **Body condition assessment in Indian star tortoises (*Geochelone elegans*)**
Kristina Popović, Luka Kabalin (CRO), Josip Miljković, Ivona Žura Žaja, Ana Shek Vugrovečki, Dražen Đuričić
- 19:10 – 19:20 **Reptile enclosure design and optimal materials - what do we know?**
Katarina Borić (CRO), Zvonimir Bandov, Jasna Kusanović, Domagoj Brdovčak

19:25 – 20:00 Conclusions of the REPTILIA meeting and visit to the educational exhibition “REPTILOMANIJA+“

SATURDAY May 25th, 2024

SECTION Free communications

Chairpersons: Ivona Žura Žaja (CRO), Miloš Halan (SK)

09:00 – 09:05 Introduction

Invited lecture

09:05 – 09:35 **Newly Emerging Infections in Pet Ferrets (*Mustela putorius furo*) – clinical presentations**
Joško Račnik (SI)

Oral presentations

09:40 – 09:50 **Health inspection in Falcon Veterinary Practice: Insights from the United Arab Emirates**
Ivana Jovandin (UAE)

09:55 – 10:05 **Blood analytes in urban and non-urban free-ranging Spectacled Caimans (*Caiman crocodilus* Linnaeus, 1758) in the central region of the Brazilian Amazon**
Jean Francisco Venturin Samonek, Elizabeth MS Schmidt (BR)



- 10:10 – 10:20 **Blood sample collection sites in South American tortoises (*Chelonoidis* spp.): a review**
Franco B Pegoraro, Valéria Teixeira, Rita MV Mangrich-Rocha¹, Elizabeth MS Schmidt (BR)
- 10:25 – 10:35 **Venomous snakes in captivity**
Neven Vrbanić (CRO), Josip Miljković

10:40 – 10:50 Conclusions and closing of the REPTILIA meeting

11:30 – 13:30 Social activities (optional)

Visit to the Zagreb Zoo - gathering at the Zoo to be will at the eastern entrance, on the corner of Maksimirska Street and Fakultetsko Dobro Street.

The map with instructions can be found at the link: <https://zoo.hr/english/> (meeting point: Raspelo, Maksimir) or here, on the last page.

Poster section

- Fish mycobacteriosis: bridging the gap between aquarium fish health and human health**
Valerija Benko (CRO), Ariana Mikulić, Lucija Bastiančić
- Understanding the sting apparatus and venom composition of bees and hornets**
Valerija Benko (CRO), Ivana Tlak Gajger
- Loggerhead Sea Turtles (*Caretta caretta*) as Hosts of Diverse Bacterial and Fungal Communities**
Sunčica Bosak (CRO), Klara Filek, Borna Branimir Vuković, Marta Žižek, Lucija Kanjer
- Ball python (*Python regius*) colour morphs - genetics and health**
Doris Delač (CRO), Srebrenka Nejedli
- Comparative morphology and neurology of the Budgerigar (*Melopsittacus undulatus*), Cockatiel (*Nymphicus hollandicus*), Canary (*Serinus canaria*) and Zebra finch (*Taeniopygia guttata*)**
Doris Delač (CRO), Srebrenka Nejedli
- The influence of environmental pollutants on the endocrine function of frogs**
Doris Delač (CRO), Lana Pađen, Jasna Aladrović



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7. **Can we determine the sex of African lovebirds (*Agapornis spp.*) visually or by palpation?**
Dražen Đuričić (CRO)
8. **Exploring protein electrophoresis as a diagnostic tool in reptilian medicine: A review**
Siniša Faraguna (CRO), Maja Belić
9. **Histological study of the osteoderms in the skin of the common wall gecko (*Tarentola mauritanica*)**
Romana Franko (CRO), Nikša Gunjević, Nikolina Škvorc, Josip Miljković, Tomislav Gojak, Duje Lisičić, Lucija Bastiančić
10. **Xanthoma recurrence in a cockatoo (*Cacatuidae*)- a case report**
Ana Gross (CRO), Iva Kuzman, Dražen Vnuk, Ana Smajlović
11. **Breeding raccoons in captivity**
Amina Hrković-Porobija (BIH), Pamela Bejdić, Lejla Velić, Semir Handžić, Izmir Kovčić
12. **Influence of gecko's group size onto their vocalisation during feeding**
Aurora Ilić (CRO), Ida Dražić, Antonija Koraš Šubaša, Duje Licičić
13. **Histological and Anatomical Characteristics of Budgerigars: Adaptations for Flight, Communication, and Survival**
Lara Istenič (SI), Simona Richterova, Valentina Kubale
14. **Temperature-dependent Sex Determination in Reptiles - a Review**
Angela Jakljič (SI), Hana Filipović, Alenka Dovč
15. **A Comparative Study of Marine Iguanas (*Amblyrhynchus cristatus*) and Green Iguanas (*Iguana iguana*): Habitat, Anatomy, Behavior, and Special Adaptations**
Jana Jarnovič (SI), Ana Andrejašič, Vita Gomboc, Valentina Kubale
16. **Presence of microplastics in amphibian tissue**
Olga Jovanović Glavaš (CRO), Luca Zelić, Dino Aleksandrić
17. ***Cavia porcellus* with aberrant Kurloff cells: a case report**
Maiara Paifer Kishida, Fernanda Taques Wendt, Daiane Cristina Ribeiro Dambroski Nack, Penélope Patrício Viviani de Moura, Franco B Pegoraro, Rosangela Locatelli-Dittrich, Elizabeth Moreira dos Santos Schmidt (BR)
18. **Sexual dimorphism and geographic variation of the Caspian Whip Snake *Dolichophis caspius* (Gmelin, 1789) in Croatia**
Daria Kranželić (CRO), Ivona Burić, Boris Lauš, Duje Lisičić
19. **The adaptation of the auditory apparatus structure of lizards and crocodiles to their habitat**
Flora Lalić (CRO), Srebrenka Nejedli



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20. **Cooperative Care: Enhancing Reptile Welfare in Veterinary Medicine**
Ena Mamut (CRO), Santo Škifić, Klara Kalčić, Kim Korpes, Srebrenka Nejedli
21. **Neonatal care in bats**
Tvrtko Mataušić (CRO), Anamarija Nevistić, Maja Lukač
22. **Characteristics of the adrenal gland in reptiles**
Iva Matijević (CRO), Josip Miljković, Tomislav Gojak, Duje Lisičić, Lucija Bastiančić
23. **Introduction of Dwarf Zebu Cattle (*Bos indicus*) into European Cattle Breeding**
Pero Mijić (CRO), Mirjana Baban, Maja Gregić, Tina Bobić
24. **Effects of lithium heparin and dipotassium ethylenediaminetetraacetic acid on packed cell volume of blood samples of Indian star tortoise (*Geochelone elegans*)**
Josip Miljković, Ivona Žura Žaja, Petra Sruck (CRO), Mirela Pavić Vulinović, Ana Shek Vugrovečki
25. **Abrasions and abscesses of the nasal region in captive snakes (a clinical case series)**
Seven Mustafa (BG), Iliana Ruzhanova-Gospodinova, Milos Blagoević
26. **Minimizing stress in the rehabilitation of wild birds**
Anamarija Nevistić (CRO), Tvrtko Mataušić, Maja Lukač
27. **The use of electrophoresis in snake venom research**
Mirela Pavić Vulinović (CRO), Josip Miljković, Ivona Žura Žaja, Snježana Ćurković, Ana Shek Vugrovečki
28. **Monitoring the Microscopic Vascular Changes Induced by the Venom of the Medically Significant Snake Species *Bothrops jararaca***
Magdaléna Polláková, Vladimír Petrilla, Barbora Bekešová, Miloš Halán (SK), Monika Petrillová, Eva Petrovová, Jaroslav Legáth, Drahomíra Sopková
29. **Photobiomodulation as a supportive wound healing treatment in galah (*Eolophus roseicapilla*) – a case report**
Kristina Popović (CRO), Anita Kraljević, Dorotea Dorotić, Maja Loborec, Liča Ložica, Josip Miljković, Hrvoje Capak, Maja Lukač
30. **A rescue center specialized for reptiles - the « Refuge reptiles-reptilien »**
Helena Potet (FR), Carlos Rodriguez
31. **The blood squirting Texas horned lizard (*Phrynosoma cornutum*)**
Helena Potet (FR), Srebrenka Nejedli
32. **A case of corneal deposits and vision loss after feather colour change in the red-winged parrot (*Aprosmictus erythropterus*)**
Petra Ricijaš (CRO), Valentina Plichta



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33. **Microscopic identification of active phagocytes in the blood of the European pond turtles (*Emys orbicularis*)**
Kristina Spariosu (RS), Radoš Knežević, Sanja Aleksić Kovačević, Milica Kovačević Filipović
34. **Preliminary research on sponge farming in the Adriatic Sea**
Luka Leon Škapul, Tomislav Šarić (CRO), Ivan Župan
35. **American foulbrood outbreaks in colonies of African honeybee subspecies (*Apis mellifera capensis*, *Apis mellifera scutellata*)**
Ivana Tlak Gajger (CRO), Michael H. Allsopp, Johan Steyl, Srebrenka Nejedli, Nenene D. Qekwana
36. **Does wireless communication technology have the same impact on insects and reptiles?**
Marinko Vilić (CRO), Ivona Žura Žaja, Jadranka Pejaković Hlede, Nato Popara, Selim Pašić, Ivana Tlak Gajger
37. **New Caledonian Crested Gecko (*Correluphus ciliatus*, GUICHENOT, 1866) cholecystectomy**
Árisz Ziszisz (HU), Márton Hoitsy, Antal Papp, Gergely Kiss, Zsolt Becker, János Gál
38. **An Overview of Scorpion Anatomy, Behaviour, Reproduction, Venom, and Therapeutic Potential**
Ana Žujić (SI), Laura Gajšek, Valentina Kubale



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