

ASCM 2022

“The 15th International Conference of Asian Society of Conservation Medicine”

October 26-28, 2022, Chiang Mai, Thailand

Oral Session

Wednesday 26 Oct 2022 (Parallel session: Room 1 and Room 2)

ROOM 1			ROOM 2		
10.45 – 12.00		Environment/Diversity Chair: Assoc. Prof. Dr. Parntep Ratanakorn <i>Chulabhorn Royal Academy, Thailand</i>	10.45 – 12.15		Megaherbivores Chair: Asst. Prof. Dr. Supaphen Sripiboon <i>Kasetsart University, Thailand</i>
10.45-11.00	OR1-01	The possibility of presence of airborne microplastics in the lungs of wild birds <i>Yurika Tokunaga (Nippon Veterinary and Life Science University)</i>	10.45-11.00	OR2-41	Antimicrobial resistance of <i>Escherichia coli</i> from an elephant rehabilitation center in Sri Lanka <i>Diani Udarika Nanayakkara (University of Peradeniya)</i>
11.00-11.15	OR1-02	Algal bloom toxicity in seven sambar deer (<i>Rusa unicolor</i>) at Wildlife Breeding Park, Jallo-Zoo, Lahore, Pakistan <i>Muhammad Abdullah Bin Saleem (University of Veterinary and Animal Sciences, Pakistan)</i>	11.00-11.15	OR2-42	Potential oxidative status markers for diagnosis the elephant endotheliotropic herpesvirus-hemorrhagic disease <i>Worapong Kosaruk (Chiang Mai University)</i>
11.15-11.30	OR1-03	Phylogenetic analysis of elephant cytochrome P450 (CYP) gene family <i>Kanami Watanabe (Hokkaido University)</i>	11.15-11.30	OR2-43	Evaluation of plasma cardiac troponin I in Asian elephants (<i>Elephas maximus</i>) using two clinical analyzers <i>Peter M. DiGeronimo (Philadelphia Zoological Garden)</i>
11.30-11.45	OR1-04	Genome-wide runs of homozygosity analysis in six captive Malayan tapirs in Japan <i>Qi Luan Lim (Kyoto University)</i>	11.30-11.45	OR2-44	Treatment of a coronary band abscess in a greater one-horned rhinoceros (<i>Rhinoceros unicornis</i>) <i>Kaori Ota (Tama Zoological Park)</i>
11.45-12.00	OR1-05	Area-specific mitogenome variation infers evolutionary history, population connectivity and potential illegal trade hotspots of otter species in Thailand <i>Worata Klinsawat (King Mongkut's University of Technology Thonburi)</i>	11.45-12.00	OR2-45	First report of pinworm infection (Oxyuridae) in Sumatran rhinoceros (<i>Dicerorhinus sumatrensis harrissoni</i>) of Kelian Rhino Sanctuary, East Kalimantan, Indonesia <i>Dedy Surya Pahlawan (Aliansi Lestari Rimba Terpadu, Indonesia)</i>
			12.00-12.15	OR2-46	The use of doramectin for the treatment of squamous papillomas in four captive South African giraffes (<i>Giraffa camelopardalis giraffa</i>)

					Watcharin Hin-on (Pak Chong Animal Hospital, Thailand)
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Wednesday 26 Oct 2022 (Parallel session: Room 1 and Room 2)

ROOM 1			ROOM 2		
13.15 – 14.45		One Health Chair: Dr. Lesa Thompson <i>World Organisation for Animal Health</i>	13.15 – 14.30		Primates 1 Chair: Dr. Tulyawat Sutthipat <i>Chiang Mai Night Safari, Thailand</i>
13.15-13.30	OR1-06	World Organisation for Animal Health (WOAH) Wildlife Health Programme in Asia and the Pacific <i>Lesa Thompson (World Organisation for Animal Health)</i>	13.15-13.30	OR2-47	Finding of leiomyosarcoma in a greater slow loris (<i>Nycticebus coucang</i>): A case report <i>Indri Saptorini (International Animal Rescue Indonesia)</i>
13.30-13.45	OR1-07	One Health perspective on the ongoing sea turtle consumption and the health risks related to human health in Indonesia <i>Awaluddin (Universitas Syiah Kuala)</i>	13.30-13.45	OR2-48	Successful treatment of melioidosis in <i>Macaca mulatta</i> in Lao PDR <i>Melody Bomon (Lao Conservation Trust for Wildlife)</i>
13.45-14.00	OR1-08	Improving mental health resilience of One Health practitioners is vital to creating a sustainable cadre of professionals in South East Asian conservation medicine <i>Fransiska Sulisty (Orangutan Veterinary Advisory Group, Indonesia)</i>	13.45-14.00	OR2-49	Case report: Fatal neurological disease in a juvenile Roloway monkey (<i>Cercopithecus roloway</i>) – diagnostic challenges <i>Joost David Philippa (Ouwehands Zoo)</i>
14.00-14.15	OR1-09	Developing a standard for field biosafety at the human-animal interface <i>Marc Valitutto (EcoHealth Alliance, New York)</i>	14.00-14.15	OR2-50	Diagnosis and treatment of a femoral fracture in a captive grey-shanked douc langur (<i>Pygathrix cinerea</i>) <i>Khanh Ngoc-Phuong Ho (Endangered Primate Rescue Center, Vietnam)</i>
14.15-14.30	OR1-10	Human dimensions of wildlife: A case study of online wildlife crimes in Pakistan <i>Rehan Ul Haq (University of Veterinary and Animal Sciences, Pakistan)</i>	14.15-14.30	OR2-51	Multilocus analysis of <i>Giardia</i> parasites from captive nonhuman primates at Seoul Zoo, South Korea <i>Mohammed Mebarek Bia (Chungbuk National University)</i>
14.30-14.45	OR1-11	Study on mean values of human atrial natriuretic peptide in 7 bottlenose dolphins <i>Rie Kinoshita (Nihon University)</i>			
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Wednesday 26 Oct 2022 (Parallel session: Room 1 and Room 2)

ROOM 1			ROOM 2		
16.45 – 17.45		<p>Wildlife Management/Conservation Chair: Dr. Taweepoke Angkawanish <i>National Elephant Institute, Thailand</i></p>	16.45 – 17.45		<p>Primates 2 Chair: Dr. Iori Itagaki <i>The Society of Primate Diseases and Pathology, Japan</i></p>
16.45- 17.00	OR1-12	<p>Translocation of Bornean elephants in Sabah: A practice of decades <i>Navaneetha Roopan (Sabah Wildlife Department)</i></p>	16.45- 17.00	OR2-52	<p>A case report on using oxytocin to improve appetite in a black howler monkey (<i>Alouatta caraya</i>) <i>Pao-Jung Wang (Taipei Zoo)</i></p>
17.00- 17.15	OR1-13	<p>Reintroduction of Javan warty-pig into Baluran National Park, East Java <i>Rudiar Anisa (Copenhagen Zoo Indonesia Program)</i></p>	17.00- 17.15	OR2-53	<p>A suspected case of malaria fatality in a wild infant Bornean orangutan (<i>Pongo pygmaeus</i>) <i>Fina Fadiah (Yayasan Inisiasi Alam Rehabilitasi Indonesia)</i></p>
17.15- 17.30	OR1-14	<p>Antsy about pangolins – Sunda pangolin (<i>Manis javanica</i>) rescue overview and veterinary care in Mandai Wildlife Group <i>Charlene Yeong (Mandai Wildlife Group)</i></p>	17.15- 17.30	OR2-54	<p>Management of caries and complicated teeth fractures in a male Bornean orangutan – A case report <i>Ni Made Ayudita A. L. Wedayanti (Borneo Orangutan Survival Foundation)</i></p>
17.30- 17.45	OR1-15	<p>Conservation crisis of <i>Panthera tigris jacksoni</i> in captive facilities in Malaysia <i>Zainal Zahari Zainuddin (Bringing Back our Rare Animals, Malaysia)</i></p>	17.30- 17.45	OR2-55	<p>Successful medical intervention of a snakebite envenomation in a reintroduced Bornean orangutan (<i>Pongo pygmaeus</i>): A case study <i>Adisa Prayoga (Yayasan Inisiasi Alam Rehabilitasi Indonesia)</i></p>

Thursday 27 Oct 2022 (Parallel session: Room 1 and Room 2)

ROOM 1			ROOM 2		
10.45 – 12.15		<p>Welfare</p>	10.45 – 12.15		<p>Reptiles</p>

		<p>Chair: Dr. Janine L. Brown <i>Smithsonian Conservation Biology Institute, Center for Species Survival, USA</i></p>			<p>Chair: Dr. Siew Shean Choong <i>Universiti Malaysia Kelantan, Malaysia</i></p>
10.45-11.00	OR1-16	<p>Zoomonitor: Applied digital tools for welfare assessment in slow loris rehabilitation center <i>Nur Purba Priambada (International Animal Rescue Indonesia)</i></p>	10.45-11.00	OR2-56	<p>Radiographic sex determination in the water monitor (<i>V. salvator</i>), a species lacking hemipenis spiculae <i>Paolo Martelli (Ocean Park Corporation, Hong Kong)</i></p>
11.00-11.15	OR1-17	<p>Preliminary observations of music medicine intervention to achieve the goals of reducing anxiety and aggression in big cats <i>Priyasad Ediriwarne (Safari Park, Sri Lanka)</i></p>	11.00-11.15	OR2-57	<p>Implementation of virtopsy in sea turtle stranding and salvage programme in Hong Kong <i>Tabris Yik To Chung (City University of Hong Kong)</i></p>
11.15-11.30	OR1-18	<p>The politics of research: The use, overuse, misuse and abuse of Myanmar timber elephant data <i>Khyne U Mar (Zoological Society of London)</i></p>	11.15-11.30	OR2-58	<p>Successful management of turtles through oesophageal tube feeding in hospital setting <i>B. G. S. S. Gamage (Elephant Holding Centre, Sri Lanka)</i></p>
11.30-11.45	OR1-19	<p>Relationship between malondialdehyde, cortisol, testosterone and semen quality in captive Asian elephant (<i>Elephas maximus</i>) bulls <i>Jaruwan Khonmee (Chiang Mai University)</i></p>	11.30-11.45	OR2-59	<p>Sensitivity and toxicity evaluation of anticoagulant rodenticides, warfarin and diphacinone in green sea turtles (<i>Chelonia mydas</i>) <i>Shouta MM Nakayama (Hokkaido University)</i></p>
11.45-12.00	OR1-20	<p>Effect of the COVID-19 crisis on metabolic markers and elephant welfare in Chiang Mai, Thailand <i>Jarawee Supanta (Chiang Mai University)</i></p>	11.45-12.00	OR2-60	<p>Detection of <i>Mycoplasma</i> species in wild-caught Indochinese box turtles (<i>Cuora bourreti</i>) in the United States <i>Peter M. DiGeronimo (Philadelphia Zoological Garden)</i></p>
12.00-12.15	OR1-21	<p>Formation of an elephant bachelor herd using behavioral data and mahout expertise as guides in Laos PDR <i>Ana Belén López Pérez (Chiang Mai University)</i></p>	12.00-12.15	OR2-61	<p>Identification of pathogenic bacteria from eggs of leatherback sea turtle (<i>dermochelys coriacea</i>) at Lampuuk Beach, Aceh Besar based on 16s rRNA gene <i>Wahyu Eka Sari (Universitas Syiah Kuala)</i></p>
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Thursday 27 Oct 2022 (Parallel session: Room 1 and Room 2)

ROOM 1			ROOM 2		
15.00 – 16.15		<p>Epidemiology Chair: Dr. Manabu Onuma <i>National Institute for Environmental Studies, Japan</i></p>	15.00 – 16.00		<p>Pathology 1 Chair: Dr. Chia-Da Hsu <i>Mandai Wildlife Group, Singapore</i></p>
15.00-15.15	OR1-22	<p>Development of a method to estimate the impact of disease mortality on wild animal populations using animal rescue data <i>Ryota Matsuyama (Rakuno Gakuen University)</i></p>	15.00-15.15	OR2-62	<p>Verminous meningoencephalomyelitis associated with <i>Angiostrongylus cantonensis</i> in a red kangaroo (<i>Osphranter rufus</i>) <i>Peter M. DiGeronimo (Philadelphia Zoological Garden)</i></p>
15.15-15.30	OR1-23	<p>The relationship between <i>Haemaphysalis longicornis</i> and sika deer abundance on Tsushima Islands, Japan <i>Kandai Doi (Forestry and Forest Products Research Institute, Japan)</i></p>	15.15-15.30	OR2-63	<p>Severe hypochromic microcytic anemia and its treatment in a wild raccoon dog <i>Phyo Wai Win (Jeonbuk National University)</i></p>

15.30-15.45	OR1-24	Squirrels (Sciuridae) - neglected reservoirs for emerging zoonotic pathogens <i>Viola Haring (Friedrich-Loeffler-Institut)</i>	15.30-15.45	OR2-64	Case report: Primary renal melanoma in a wood duck (<i>Aix sponsa</i>) <i>Chi-Fen Lee (National Taiwan University)</i>
15.45-16.00	OR1-25	An outbreak of Testudinid herpesviruses type 3 in <i>Indotestudo elongate</i> in a zoo Han-Yang Wang (National Taiwan University)	15.45-16.00	OR2-65	A procedure to explore and sampling from lower respiratory tract of Asian elephant (<i>Elephas maximus</i>): technical report <i>Warangkhan Langkaphin (National Elephant Institute, Thailand)</i>
16.00-16.15	OR1-26	Epidemiology of rescued free-ranging hedgehogs spp. from Israel <i>David Eshar (Wildlife Hospital and Rehabilitation Center of Israel)</i>			
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Thursday 27 Oct 2022 (Parallel session: Room 1 and Room 2)

ROOM 1			ROOM 2		
16.30 – 17.45		Reproduction Biology Chair: Dr. Ampika Thongphakdee <i>The Zoological Park Organization of Thailand</i>	16.30–17.45		Pathology 2 Chair: Dr. Weng Yan Ng <i>Wildlife Asia Veterinary Services LLP, Singapore</i>
16.30-16.45	OR1-27	Improving sperm cryopreservation in chimpanzee (<i>Pan troglodytes</i>) and Bornean orangutan (<i>Pongo pygmaeus</i>): Proteomic characterization and antioxidant capacity of ejaculates <i>Laura Orama Méar (National Taiwan University)</i>	16.30-16.45	OR2-66	The amplification of HA gene sequence from wild bird fecal samples without egg inoculation <i>Manabu ONUMA (National Institute for Environmental Studies, Japan)</i>
16.45-17.00	OR1-28	Semen Cryopreservation in Bornean sun bear (<i>Helarctos malayanus euryspilus</i>)	16.45-17.00	OR2-67	Screening of lactic acid bacteria (LAB) producing antibacterial from the feces of Sumatran orangutan (<i>Pongo</i>

		<i>Boon Nie Yeoh (Universiti Malaysia Sabah)</i>			<i>abelii</i> in Taman Hewan Pematangsiantar (THPS) North Sumatra <i>Nurliana Nurliana (Universitas Syiah Kuala)</i>
17.00-17.15	OR1-29	Trial for improvement of semen quality by GnRH administration in a captive male African elephant <i>Yoshiko Torii (Hokkaido University)</i>		17.00-17.15	OR2-68 Hematological values of adult Philippine hawk-eagle (<i>Nisaetus philippensis</i>) kept in Ninoy Aquino Parks and Wildlife Center, Quezon City, Philippines <i>Athaliah Jan N. Lagon (Benguet State University)</i>
17.15-17.30	OR1-30	Breeding behaviour and vulvar score in captive female Malayan tapir (<i>Tapirus indicus</i>) <i>Donny Yawah (Universiti Putra Malaysia)</i>		17.15-17.30	OR2-69 Hematological values of reticulated python (<i>Malayopython reticulatus</i>) kept in Ninoy Aquino Parks and Wildlife Center, Quezon City, Philippines <i>Gazarie Milanes (Benguet State University)</i>
17.30-17.45	OR1-31	Ultrasound examination of zebra shark (<i>Stegostoma tigrinum</i>) eggs in Ocean Park, Hong Kong <i>Lee Foo Khong (Ocean Park Corporation, Hong Kong)</i>		17.30-17.45	OR2-70 Point-of-care and standard laboratory reference intervals for coagulation values in Asian elephants (<i>Elephas maximus</i>) <i>Peter M. DiGeronimo (Philadelphia Zoological Garden)</i>

Friday 28 Oct 2022 (Parallel session: Room 1 and Room 2)

Room 1			Room 2		
13.00 – 14.15		Marine Mammals Chair: Dr. Yuko Tajima <i>National Museum of Nature and Science, Japan</i>	13.00 – 14.45		Clinical Medicine/Others Chair: Professor Jae-Ik Han <i>Jeonbuk National University</i>
13.00- 13.15	OR1-32	Multiple feeding styles of Bryde’s whales (<i>Balaenoptera edeni</i>) in the upper Gulf of Thailand <i>Takashi Iwata (Kobe University)</i>	13.00- 13.15	OR2-71	<i>Ligamentum humerocarpale</i> synthetic reconstruction in a bearded screech owl (<i>Megascops barbarus</i>) <i>Flor Barrueta (La Jungla Zoo, Guatemala)</i>
13.15- 13.30	OR1-33	Balaenopterid whale specimens preserved in various facilities of Thailand <i>Tadasu K. Yamada (National Museum of Nature and Science, Japan)</i>	13.15- 13.30	OR2-72	Comparison of 3D-printed titanium alloy and polyether ether ketone prosthetic beaks for an injured red-crowned crane (<i>Grus japonensis</i>) <i>Chen Rong (Nanjing Hongshan Forest Zoo)</i>
13.30- 13.45	OR1-34	The role of THNHM’s marine mammals collection for research and public engagement <i>Cholawit Thongcharoenchaikit (Thailand Natural History Museum)</i>	13.30- 13.45	OR2-73	Mydriatic efficacy and side effects of topical rocuronium bromide application in three raptor species <i>Haerin Rhim (Jeonbuk National University)</i>
13.45- 14.00	OR1-35	Causes of cetacean stranding and death on Thai coasts, 2016-2021 <i>Watchara Sakornwimon (Marine and Coastal Resources Research Center, Central Gulf of Thailand)</i>	13.45- 14.00	OR2-74	Surgical treatment in a case of post-ovulatory egg stasis syndrome in a reticulated python (<i>Malayopython reticulatus</i>) <i>Flor Barrueta (La Jungla Zoo, Guatemala)</i>
14.00- 14.15	OR1-36	Review of anaesthetic protocols and outcomes in largha seals (<i>Phoca largha</i>), harbor seals (<i>Phoca vitulina</i>) and California sea lions (<i>Zalophus californianus</i>) at Ocean Park Hong Kong <i>Jessica Pui Yin Li (Ocean Park Corporation, Hong Kong)</i>	14.00- 14.15	OR2-75	Successful fixation of carapace fracture in a female <i>Geochelone elegans</i> (Indian star tortoise) <i>H.D.S.Hewapathirana (University of Peradeniya)</i>
			14.15- 14.30	OR2-76	Evaluation of chemical restraint using alfaxalone-dexmedetomidine-ketamine combination in rescued eastern fox squirrels (<i>Sciurus niger rufiventer</i>) <i>David Eshar (Kansas State University)</i>
			14.30- 14.45	OR2-77	Body and scale morphometry of preserved Philippine pangolin (<i>Manis culionensis</i>) <i>Michael Conrad Borillo (Benguet State University)</i>

