

Reference Sections: January, 2013

Attention: The next posting of a reference list will be in

July, 2013

AMPHIBIANS
BIRDS
FEEDS, FORAGES and METHODOLOGY
FISH (aquaria)
FOOD SAFETY
INVERTEBRATES (terrestrial and aquatic)
MAMMALS
NUTRITIONAL PATHOLOGY AND CLINICAL NUTRITION
REPTILES

***Please Note:** This reference service provided by CAZA-NARG cannot be all-inclusive and is not intended to be exclusive. The inclusion of any reference in this listing is based only on availability and/or relevance to aquarium and zoo animal nutrition. Inclusion of a reference on this list does not indicate an acceptance and/or rating of the research. If you have a peer-reviewed paper to include in this list, please send the citation information to the Secretary/Treasurer of CAZA-NARG (below).*

If you would like to receive an e-alert when the new list is available, please contact CAZA-NARG:

info@caza-narg.ca

AMPHIBIANS

MacCracken JG & Stebbings JL. 2012. Test of a **body condition index** with amphibians. *Journal of Herpetology*, 46(3): 346-350.

Ortiz DA, Almeida D & Coloma LA. 2012. Notes on husbandry, reproduction and development in the **Pacific horned frog** *Ceratophrys stolzmanni* (Anura: Ceratophryidae) with comments on its amplexus. *International Zoo Yearbook*, advance e-alert.

Shaw SD et al. 2012. Fluorosis as a probable factor in metabolic bone disease in captive **New Zealand native frogs** (*Leiopelma* species). *Journal of Zoo and Wildlife Medicine*, 43(3): 549-565.

BIRDS

Breeding S et al. 2012. Hand-rearing and sex determination tool for the **taveta golden weaver** (*Ploceua castaneiceps*). *Zoo Biology*, 31(5): 600-608.

Brightsmith DJ. 2012. Nutritional levels of diets fed to captive **Amazon parrots**: does mixing seed, produce and pellets provide a healthy diet? *Journal of Avian Medicine and Surgery*, 26(3): 149-160.

Burgess MD. 2012. Captive husbandry and socialization of the **red-billed chough** (*Pyrrhorcorax pyrrhorcorax*). *Zoo Biology*, 31(6): 725-735.

Candido MV et al. 2012. Comparison of clinical parameters in captive **Cracidae** fed traditional and extruded diets. *Journal of Zoo and Wildlife Medicine*, 42(3): 437-443.

de Azevedo CS et al. 2012. Using environmental enrichment to reduce the expression of abnormal behaviours in **greater rhea** *Rhea Americana* at Belo Horizonte Zoo.

Helmick KE, Kendrick EL & Dierenfeld ES. 2012. Diet manipulation as a treatment for elevated serum iron parameters in captive **raggiana bird of paradise** (*Paradisae raggiana*). *Journal of Zoo and Wildlife Medicine*, 42(3): 460-467.

Klasing KC, Dierenfeld ES & Koutsos EA. 2012. **Avian iron storage disease**: variations on a common theme. *Journal of Zoo and Wildlife Medicine*, 43(3s): S27-S34.

Muir A & King CE. 2012. Management and husbandry guidelines for **shoebills** *Baleniceps rex* in captivity. *International Zoo Yearbook*, advance e-alert.

FEEDS, FORAGES and METHODOLOGY

Hyun S et al. 2012. Evaluation of nutritional status of an **edible grasshopper**, *Oxya Chinensis Formosana*. *Entomological Research*, 42(5): 284-290.

Lavin SR. 2012. **Plant phenolics** and their potential role in mitigating iron overload disorder in wild animals. *Journal of Zoo and Wildlife Medicine*, 43(3s): S74-S82

Müller DW et al. 2012. Assessing the **Jarman-Bell principle**: scaling of intake, digestibility, retention time and gut fill with body mass in **mammalian herbivores**. *Comparative Biochemistry, Physiology A and Molecular Integrative Physiology*, advance e-alert.

Singleton C, Wack R & Larsen S. 2012. Bacteriologic and nutritional evaluation of a **commercial raw meat** diet as part of a raw meat safety program. *Zoo Biology*, 31(5): 574-585.

FISH (aquaria)

Anderson PA, Huber DR & Berzins IK. 2012. Correlations of capture, transport and nutrition with spinal deformities in **sandtiger sharks**, *Carcharias Taurus*, in public aquaria. *Journal of Zoo and Wildlife Medicine*, 43(4): 750-758.

Hadfield CA et al. 2012. Acute morbidity and mortality in **invertebrates and fish** following exposure to potassium-deficient saltwater. *Journal of Fish Disease*, 35(7): 549-553.

Persky ME et al. 2012. Hematologic, plasma biochemistry, and select nutrient values in captive **smooth dogfish** (*Mustelus canis*). *Journal of Zoo and Wildlife Medicine*, 43(4): 842-851.

Rodrigues N et al. 2012. Notes on the husbandry and long-term transportation of **bull ray** (*Pteromylaeus bovinus*) and dolphinfish (*Coryphaena hippurus* and *Coryphaena equiselis*). *Zoo Biology*, advance e-alert.

FOOD SAFETY

INVERTEBRATES (terrestrial and aquatic)

Celino FT, Hilomen-Garcia GV et al. 2012. Feeding selectivity of the **seahorse**, *Hippocampus kuda* (Bleeker), juveniles under laboratory conditions. *Aquaculture Research*, 43(12): 1804-1815.

Dennis RLH et al. 2012. Strategies for size and growth in **butterflies** (Insecta: Lepidoptera): counterintuitive trends and unique solutions to achieving maturity. *Journal of Natural History*, 46(39-40): 2415-2437.

Hadfield CA et al. 2012. Acute morbidity and mortality in **invertebrates and fish** following exposure to potassium-deficient saltwater. *Journal of Fish Disease*, 35(7): 549-553.

Palma P, Andrade JP & Bureau DP. 2012. Growth, reproductive performances and brood quality of **long snout seahorse**, *Hippocampus guttulatus*, fed enriched shrimp diets. *Journal of the World Aquaculture Society*, 43(6): 802-813.

Payne EJ. 2012. Husbandry and growth rates of **neonate epaulette sharks** *Hemiscyllium ocellatum* in captivity. *Zoo Biology*, 31(6): 718-724.

Querol P et al. 2012. Inclusion of fish and krill meal in extruded diets for ***Octopus vulgaris*** (Cuvier, 1797): assessment of acceptance. *Aquaculture Research*, advance e-alert.

MAMMALS

Borges JCG et al. 2012. Growth pattern differences of captive born **Antillean manatee** (*Trichechus manatus*) calves and those resuced in the Brazilian northeastern coast. *Journal of Zoo and Wildlife Medicine*, 43(3): 494-500.

Candra D et al. 2012. Browse diversity and iron loading in captive **Sumatran rhinoceroses** (*Dicerorhinus sumatrensis*): a comparison of sanctuary and zoological populations. *Journal of Zoo and Wildlife Medicine*, 43(3s): S66-S73.

Cassella CM, Mills A & Lukas KE. 2012. Prevalence of regurgitation and reingestion in **orangutans** housed in North American zoos and an examination of factors influencing its occurrence in a single group of Bornean orangutans. *Zoo Biology*, 31(5): 609-620.

Citino et al. 2012. IOD in **rhinos** – veterinary group report: report from the clinical medicine and pathology working group of the international workshop on iron overload disorder in browsing rhinoceros (February 2011). *Journal of Zoo and Wildlife Medicine*, 43(3s): S105-S107

Clauss M et al. 2012. Influence of diet on calcium metabolism, tissue calcification and urinary sludge in **rabbits** (*Oryctolagus cuniculus*). *Journal of Animal Physiology and Animal Nutrition*, 96(5): 798-807.

Clauss M et al. 2012. IOD in **rhinos** – nutrition group report: report from the nutrition working group of the international workshop on iron overload disorder in browsing rhinoceros (February 2011). *Journal of Zoo and Wildlife Medicine*, 43(3): S108-S113.

Cregar LC et al. 2012. Copper toxicosis in a **Boer goat**. *Veterinary Clinical Pathology*, advance e-alert.

Darlis NA, Liang JB & Ho YW. 2012. Effects of diets of differing fiber contents on digestibility, passage rate of digesta and heat production in **lesser mouse deer** (*Tragulus javanicus*). *Mammalian Biology*, 77(6): 385-390.

Depauw S et al. 2012. Blood values of adult captive **cheetahs** (*Acinonyx jubatus*) fed either supplemented beef or whole rabbit carcasses. *Zoo Biology*, 31(6): 629-641.

Ellis DP et al. 2012. IOD in **rhinos** – epidemiology group report: report from the epidemiology working group of the international workshop on iron overload disorder in browsing rhinoceros (February 2011). *Journal of Zoo and Wildlife Medicine*, 43(3): S114-S116.

Finno CJ & Valberg SJ. 2012. A comparative review of vitamin E and associated **equine** disorders. *Journal of Veterinary Internal Medicine*, advance e-alert.

Ganz T & Nemeth E. 2012. Iron homeostasis and its disorders in mice and men: potential lessons for **rhinos**. *Journal of Zoo and Wildlife Medicine*, 43(3s): S19-S26.

Kuhar CW, Fuller GA & Dennis PM. 2013. A survey of diabetes prevalence in zoo-housed **primates**. *Zoo Biology*, advance e-alert.

Helary SF et al. 2012. *Black rhinoceros* (*Diceros bicornis*) natural diets: comparing iron levels across seasons and geographical locations. *Journal of Zoo and Wildlife Medicine*, 43(3s): S48-S54.

Hess TM et al. 2012. Effects of Ω -3 (n-3) fatty acid supplementation on insulin sensitivity in **horses**. *Journal of Equine Veterinary Science*, advance e-alert.

Menzies-Gow NJ. 2012. Laminitis in **horses**. *CAB Reviews*, 7(066): 1-17.

- Miller M et al. 2012. Serum iron and selected biochemical values in free-ranging **black rhinoceros** (*Diceros bicornis*) from South Africa. *Journal of Zoo and Wildlife Medicine*, 43(3s): S55-S60.
- MyIniczenko ND et al. 2012. Management strategies of iron accumulation in a captive population of **black rhinoceroses** (*Diceros bicornis minor*). *Journal of Zoo and Wildlife Medicine*, 43(3s): S83-S91
- Nelsen BD, Vick MM & Dennis PM. 2012. A potential link between insulin resistance and iron overload in browsing rhinoceroses investigated through the use of an **equine** model. *Journal of Zoo and Wildlife Medicine*, 43(3s): S61-S65.
- Olias P et al. 2012. Iron overload in the **black rhinoceros** (*Diceros bicornis*): microscopical lesions and comparison with other rhinoceros species. *Journal of Comparative Pathology*, 147(4): 542-549.
- Orr AJ et al. 2012. Ontogenetic dietary information of the **California sea lion** (*Zalophus californianus*) assessed using stable isotope analysis. *Marine Mammal Science*, 28(4): 714-732.
- Paglia DE & Tsu I. 2012. Review of laboratory and necropsy evidence for iron storage disease acquired by browser **rhinoceroses**. *Journal of Zoo and Wildlife Medicine*, 43(3s): S92-S104.
- Parker KL & Barboza PS. 2012. Hand-rearing wild **caribou calves** for studies of nutritional ecology. *Zoo Biology*, advance e-alert.
- Plair BL, Reinhart PR & Roth TL. 2012. Neonatal milestones, behavior and growth rate of **Sumatran rhinoceros** (*Dicerorhinus sumatrensis*) calves born and bred in captivity. *Zoo Biology*, 31(5): 546-560.
- Roberts JL & Murray J. 2012. Survey of **equine** nutrition: perceptions and practices of veterinarians in Georgia, U.S.A.. *Journal of Equine Veterinary Science*, advance e-alert.
- Roswag A, Becker NI & Encarnação JA. 2012. Inter- and intraspecific comparisons of retention time in insectivorous **bat species** (Vespertilionidae). *Journal of Zoology*, 288(2): 85-92.
- St. Leger JA et al. 2012. Vitamin A deficiency and hepatic retinol levels in **sea otters**, *Enhydra lutris*. *Journal of Zoo and Wildlife Medicine*, 42(1): 98-104.
- Scheelings TF & Haynes L. 2012. Effect of diet on serum 25-hydroxyvitamin D concentration in the **short-beaked echidna** (*Tachyglossus aculeatus*). *Australian Veterinary Journal*, 90(8): 325-328.
- Schreiner C, DreBen W. & Kirchner WH. 2012. Environmental enrichment in three **great ape** species at the zoo Krefeld – a study of established methods of animal occupation. *Der Zoologische Garten*, advance e-alert.

Stahl M, et al. 2012. Energy intake for maintenance in a mammal with a low basal metabolism, the **giant anteater** (*Myrmecophaga tridactyla*). Journal of Animal Physiology and Animal Nutrition, 96(5): 818-824.

Venn-Watson S et al. 2012. Hemochromatosis and fatty liver disease: building evidence for insulin resistance in bottlenose **dolphins** (*Tursiops truncatus*). Journal of Zoo and Wildlife Medicine, 43(3s): S35-S47.

Xian Y et al. 2012. Suckling behavior and its development in two Yangtze finless **porpoise calves** in captivity. Zoo Biology, 31(2): 229-234.

NUTRITIONAL PATHOLOGY AND CLINICAL NUTRITION

Candra D et al. 2012. Browse diversity and **iron loading** in captive Sumatran rhinoceroses (*Dicerorhinus sumatrensis*): a comparison of sanctuary and zoological populations. Journal of Zoo and Wildlife Medicine, 43(3s): S66-S73.

Citino et al. 2012. **IOD in rhinos** – veterinary group report: report from the clinical medicine and pathology working group of the international workshop on **iron overload disorder** in browsing rhinoceros (February 2011). Journal of Zoo and Wildlife Medicine, 43(3s): S105-S107.

Clauss C & Paglia DE. 2012. **Iron storage** disorders in captive mammals: the comparative evidence. Journal of Zoo and Wildlife Medicine, 43(3s): S6-S18.

Claus et al. 2012. **IOD in rhinos** – nutrition: report from the nutrition working group of the international workshop on iron overload disorder in browsing rhinoceros (February 2011). Journal of Zoo and Wildlife Medicine, 43(3s): S108-S113.

Cregar LC et al. 2012. **Copper toxicosis** in a Boer goat. Veterinary Clinical Pathology, advance e-alert.

Ellis DP et al. 2012. **IOD in rhinos** – epidemiology group report: report from the epidemiology working group of the international workshop on iron overload disorder in browsing rhinoceros (February 2011). Journal of Zoo and Wildlife Medicine, 43(3): S114-S116.

Ely JJ, Zavaskis T & Lammey ML. 2012. **Hypertension** increases with aging and obesity in chimpanzee (*Pan troglodytes*). Zoo Biology, advance e-alert.

Ganz T & Nemeth E. 2012. **Iron homeostasis** and its disorders in mice and men: potential lessons for rhinos. Journal of Zoo and Wildlife Medicine, 43(3s): S19-S26.

Giannitti F et al. 2012. Mortality of a captive axis deer (*Axis axis*) and a llama (*Lama glama*) due to **ingestion of *Wedelia glauca***. Journal of Veterinary Diagnostic Investigation, advance e-alert.

- Grenager NS & Orsini JA. 2012. What's new in **laminitis** research? II: advances in laminitis treatment. *Journal of Equine Veterinary Science*, 32(10): 647-653.
- Hadfield CA et al. 2012. Acute morbidity and mortality in invertebrates and fish following exposure to **potassium-deficient saltwater**. *Journal of Fish Disease*, 35(7): 549-553.
- Hess TM et al. 2012. Effects of Ω -3 (n-3) fatty acid supplementation on **insulin sensitivity** in horses. *Journal of Equine Veterinary Science*, advance e-alert.
- Klasing KC, Dierenfeld ES & Koutsos EA. 2012. Avian **iron storage disease**: variations on a common theme. *Journal of Zoo and Wildlife Medicine*, 43(3s): S27-S34
- Kuhar CW, Fuller GA & Dennis PM. 2013. A survey of **diabetes** prevalence in zoo-housed primates. *Zoo Biology*, advance e-alert.
- Lavin SR. 2012. Plant phenolics and their potential role in mitigating **iron overload** disorder in wild animals. *Journal of Zoo and Wildlife Medicine*, 43(3s): S74-S82.
- Miller M et al. 2012. **Serum iron** and selected biochemical values in free-ranging black rhinoceros (*Diceros bicornis*) from South Africa. *Journal of Zoo and Wildlife Medicine*, 43(3): S55-S60.
- MyIniczenko ND et al. 2012. Management strategies of **iron accumulation** in a captive population of black rhinoceroses (*Diceros bicornis minor*). *Journal of Zoo and Wildlife Medicine*, 43(3s): S83-S91
- Nelsen BD, Vick MM & Dennis PM. 2012. A potential link between **insulin resistance and iron overload** in browsing rhinoceroses investigated through the use of an equine model. *Journal of Zoo and Wildlife Medicine*, 43(3s): S61-S65.
- Olias P et al. 2012. **Iron overload** in the black rhinoceros (*Diceros bicornis*): microscopical lesions and comparison with other rhinoceros species. *Journal of Comparative Pathology*, 147(4): 542-549
- Orsini JA & Grenager NS. 2012. What's new in **laminitis** research? I: pathophysiology and prevention. *Journal of Equine Veterinary Science*, 32(10): 641-647.
- Paglia DE & Tsu I. 2012. Review of laboratory and necropsy evidence for **iron storage disease** acquired by browser rhinoceroses. *Journal of Zoo and Wildlife Medicine*, 43(3s): S92-S104.
- St. Leger JA et al. 2012. **Vitamin A deficiency** and hepatic retinol levels in sea otters, *Enhydra lutris*. *Journal of Zoo and Wildlife Medicine*, 42(1): 98-104.
- Shaw SD et al. 2012. **Fluorosis** as a probable factor in metabolic bone disease in captive New Zealand native frogs (*Leiopelma species*). *Journal of Zoo and Wildlife Medicine*, 43(3): 549-565.

Venn-Watson S et al. 2012. **Hemochromatosis and fatty liver disease**: building evidence for insulin resistance in bottlenose dolphins (*Tursiops truncatus*). *Journal of Zoo and Wildlife Medicine*, 43(3s): S35-S47.

Zebeli Q & Metzler-Zebeli BU. 2012. Interplay between **rumen digestive disorders** and diet-induced inflammation in dairy cattle. *Research in Veterinary Science*, 93(3): 1099-1108.

REPTILES

Bessler SM & Secor SM. 2012. Effects of feeding on luminal pH and morphology of the gastroesophageal junction of **snakes**. *Zoology*, 115(5), 319-329.

Hoby S, et al. 2012. Dry matter and calcium digestibility in captive **veiled chameleons** (*Chamaeleo calyptratus*). *Journal of Animal Physiology and Animal Nutrition*, 96(5): 778-782.

Mazzotti FJ et al. 2012. Body condition of **Morelet's crocodiles** (*Crocodylus moreletii*) from Northern Belize. *Journal of Herpetology*, 46(3): 356-362.

Mendyk RW, Newton AL & Baumer M. 2012. A retrospective study of mortality in **varanid lizards** (Reptilia; Squamata: Varanidae) at the Bronx Zoo: implications for husbandry and reproductive management in zoos. *Zoo Biology*, advance e-alert.

Siroski PA et al. 2012. Ultraviolet radiation on innate immunity and growth of **broad-snouted caiman** (*Caiman latirostris*): implications for facilities design. *Zoo Biology*, 31(5): 523-533.