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Platypus and Echidnas

Drug name	Drug dose	Species	Comments
Antimicrobials and Antifungals			
Amoxicillin/ clavulanic acid	20 mg/kg IM SID or PO BID [1]	Echidnas	For ulcerative mycosis of <i>Mucor amphibiorum</i> .
	12.5 mg/kg IM SID [2]	Platypus	
Amphotericin B	0.5 mg/kg injected intralesionally twice weekly [3]	Platypus	
Ceftazidime	65 mg/kg IM SID [1]	Echidnas	
Doxycycline	5 mg/kg PO SID [1]	Echidnas	
Enrofloxacin	5 mg/kg SC or PO SID [1]	Echidnas	
	5 mg/kg IM SID [1]	Platypus	
Itraconazole	5 mg/kg PO SID [1]	Echidnas	
Metronidazole	20 mg/kg IV SC PO SID [1]	Echidnas	
Nystatin	10 000 IU/kg BID [1]	Echidnas	
	Ointment applied topically [1]	Echidnas	
Oxytetracycline	20 mg/kg IM SID [1]	Echidnas	
Penicillin with benzathine	10 mg/kg IM SC SID [1]	Echidnas	
Procaine penicillin	15 mg/kg IM, SC SID [1]	Echidnas	
Trimethoprim sulfadiazine	5 mg/kg IM SID [1, 2]	Echidnas and Platypus	
Analgesic			
Buprenorphine	1 mg/kg IV IM SID [1]	Echidnas	Analgesia
Butorphanol	0.1 mg/kg IV IM BID [1]	Echidnas	
Flunixin meglumine	0.5 mg/kg IM SC IV SID [1]	Echidnas	
Ketoprofen	1 mg/kg IV IM SC SID [1]	Echidnas	
Meloxicam	0.2 mg/kg SC or PO SID [1]	Echidnas	
	0.5 IV mg/kg SC SID [1]	Echidnas	

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Drug name	Drug dose	Species	Comments
Anesthetic			
Atipamezole HCl	0.5 mg/kg IM [1]	Echidnas	
Diazepam	1–5 mg/kg IM [1]	Echidnas	Sedation
	0.5–1.0 mg/kg IM [2]	Platypus	Sedation for minor procedures.
Ether	Mask induction [4]	Platypus	n = 2 wild caught animals briefly anesthetized for transponder placement and blood draw to analyze blood sample appeared to induce leukocytosis.
Isoflurane	Mask induction [2]	Platypus	Rarely have injectables been used, rather induction with a face mask via isoflurane is usually employed.
Ketamine + medetomidine	K: 5 mg/kg + M: 0.5 mg/kg IM, antagonize with 2.5 mg/kg atipamezole [1, 3, 5]	Echidnas	
	K: 5 mg/kg + M: 0.3 mg/kg IM [1]	Echidnas	
Ketamine + xylazine	K: 5–10 mg/kg + X: 1–2 mg/kg IM, antagonize with 0.1 mg/kg yohimbine IV [1, 3, 5]	Echidnas	
Pentobarbitol	200 mg/kg IV [6]	Echidnas	Euthanasia.
Telazol	3–10 mg/kg IM [1]	Echidnas	
Antiparasitic			
Fipronil	10 mg/kg Topical, once [1]	Echidnas	
Ivermectin	0.2 mg/kg SC [1, 2]	Echidnas and Platypus	To treat acariasis.
Moxidectin	0.2 mg/kg IM SC q7d [1]	Echidnas	
Praziquantel	5 mg/kg IM PO once [1]	Echidnas	
Selamectin	Topical application [3]	Echidnas	To treat acariasis.
Toltrazuril	20 mg/kg PO SID × 2d [1, 3]	Echidnas	To treat coccidiosis.
Other			
Bromhexine HCl	1 mg/kg PO TID [1]	Echidnas	To use as a mucolytic.
Dexamethasone	0.2 mg/kg IM SC SID [1]	Echidnas	
Formic acid	2% in food at 2% [1]	Echidnas	
Phytomenadione	0.1 mg/kg PO [1]	Echidnas	

Species	Weights
Echidna (<i>Tachyglossus aculeatus</i>)	2.5–6 kg
Duck-billed platypus (<i>Ornithorhynchus anatinus</i>)	0.2–2 kg

References

- 1 Vogelnest, L. and Woods, R. (2008). Echidna. In: *Medicine of Australian Mammals* (ed. L. Vogelnest and R. Woods), 77–102. Victoria, Australia: Csiro Publishing.
- 2 Vogelnest, L. and Woods, R. (2008). Platypus. In: *Medicine of Australian Mammals* (ed. L. Vogelnest and R. Woods), 77–102. Victoria, Australia: Csiro Publishing.
- 3 Holz, P. (2015). Monotremata (Echidna, Platypus). In: *Fowler's Zoo and Wild Animal Medicine*, vol. 8 (ed. R.E. Miller and M. Fowler), 247–254. St. Louis, MO: Elsevier Saunders.
- 4 Whittington, R.J. and Grant, T.R. (1995). Hencalotopic changes in the platypus (*Orinithorynchus anatinus*) following capture. *Journal of Wildlife Diseases* 31 (3): 386–390.
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- 6 Whittington, R., Middleton, D., Spratt, D.M. et al. (1992). Spayenosis in the montremes *Tachyglosss aculeatus* and *Orinithorynchus anatinus* in Australia. *Journal of Wildlife Diseases* 28 (4): 636–640.

