



EFFICACY OF ALFAXALONE AND KETAMINE FOR IMMOBILIZATION OF AFRICAN ROCK PYTHON (*Python sebae*) PREMEDICATED WITH XYLAZINE.

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Abstract: African rock python is a non-venomous snake that rarely kills humans. It is increasingly being kept as pet or zoo animal in captivity. Chemical immobilization are often necessary for physical examination, diagnostic and therapeutic procedures. However, there is paucity of information on the anaesthetic protocols for this ophidian species. Intramuscular (IM) administration of a mixture of 2% xylazine hydrochloride solution (0.3mg/kg) and 50% ketamine hydrochloride solution (10mg/kg) (XK) was compared with the IM administration of a mixture of 2% xylazine hydrochloride solution (0.3mg/kg) and 1% alfaxalone (8 mg/kg) (XA) in six African rock pythons with reference to onset and duration of anaesthesia. The mean heart rates (HR), respiratory rates (RR) and rectal temperatures (RT) were recorded. Onset of anaesthesia and duration of anaesthesia with IM administration of XK were 8.2 ± 0.5 minutes and 83.0 ± 0.6 minutes respectively.



Biography: Dr. Shakirat Omolara Adediran completed her Masters of Veterinary Science (MVSc) in Veterinary surgery as a University Scholar at the University of Ibadan in 2015

Publications:

1. Evaluating the Mechanical Properties of Admixed Blended Cement Pastes and Estimating its Kinetics of Hydration by Different Techniques
2. Genetic Diversity Using Random Amplified Polymorphic DNA (RAPD) Analysis for *Aspergillus niger* isolates
3. Au–Ag–Cu nanoparticles alloys showed antifungal activity against the antibiotics-resistant *Candida albicans*
4. Induce mutations for Bavistin resistance in *Trichoderma harzianum* by UV-irradiation
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