

Reproductive toxicity of aqueous wood-ash extract of Parkia biglobosa on male Swiss albino mice

7 L P R W K \ \$ X W D

alUniz styDsha,ly a

The use of wood-ash extracts, including that of ... as food additives and for medicinal purposes by Gbagyi, Koro, Ebira and other ethnic groups in the Middle-Belt Region of Nigeria, without knowledge of its possible reproductive toxicity has been an age long practice. This study thus investigated the toxicity of aqueous wood-ash extracts on male reproductive ability, using mice as models. Aqueous extraction of the wood ash was performed using the traditional percolation method. Four different dose levels of 0, 5, 50 and 100 mg/kg body weight were administered to 20 male mice (5 per group) for seven days, which were sacrificed 35 days thereafter. Gonadosomatic index, sperm motility, sperm count, sperm morphology, serum follicle stimulating hormone (FSH), luteinizing hormone (LH) and testosterone assay and histopathological changes were observed.

Notes: