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References Category:Factions in the Total War series Category:Total War (video game series) Category:Fantasy video game racesPhenylalanine-specific degradation of the RNA of the rat glioma C6 cells. Phenylalanine (Phe) is an abundant amino acid in the brain, and is a precursor of the biosynthesis of several essential amino acids and neurotransmitter such as serotonin and dopamine. Phe is also implicated in some physiological functions such as circadian rhythm and appetite. Recently, we showed that Phe induces apoptosis of cultured cortical cells from rat embryos, suggesting that Phe is neurotoxic to the developing brain. In the present study, we tested the hypothesis that Phe administration exerts its neurotoxic effects via the induction of oxidative stress and the subsequent generation of reactive oxygen species (ROS). In an effort to study the mechanism of Phe-induced oxidative stress, we used [3H]Phe as a radiolabeled precursor of ROS and examined the degradation of the RNA. The degradation was observed in the total RNA of the C6 glioma cell line, and this degradation was sensitive to Phe in vitro, suggesting that the RNA is the target of Phe-induced oxidative stress and that this RNA degradation is caused by ROS. In comparison to cortical cells, the C6 cells have a much higher level of Phe-induced ROS generation. These observations suggest that Phe is damaging to cells of the brain and that the brain may be especially vulnerable to oxidative damage generated by Phe overload.Visceral leishmaniasis presenting as segmental sclerosis of the brain, intracerebral haemorrhage and spinal cord compression due to a metastatic mediastinal granulomatous lesion. A 21-year-old male presented with fever, neck stiffness and marked neurological deficit; the MRI scan revealed multiple hypointense foci in the spinal cord and intracerebral haemorrhage. The clinical presentation and investigations were suggestive of secondary neurosyphilis. However, the patient had no history of genital ulcer and it was not possible to serologically test for syphilis. Neurosyphilis is not uncommon in patients with HIV infection and other patients with a history of orofacial ulceration. In this case the diagnosis was made on the basis of clinical features, positive serological tests for Visceral leishmaniasis and histopathological examination of the cervical lymph node

