Andrographis paniculata has been used as a traditional medicine and a predominant constituent in 26 Ayurvedic formulations over the last two decades. Its impact on the male fertility is a controversial from the past few years. In the present study we have investigated the antioxidant enzyme status and the indices of lipid peroxidation in the testis and epididymis of male wistar rats. Male wistar rats were exposed to 20, 200 and 1000mg/kg body weight of ethanolic extract of Andrographis paniculata (high dose) orally for 65 days daily. Control rats received normal saline only. Tissues were washed, homogenized and the levels of super oxide dismutatse, catalase and lipid peroxidation was determined. Results showed an increase in the levels of lipid peroxidation and decrease in the levels of super oxide dismutase and catalase in the testis and epididymis (Ref: Satya narayana K, Kumaraswamy Naidu C, Trinath D, Sreenivasula Reddy P, Srinivasulu Reddy M, Suneetha Y. Ethonalic leaf extract of Andrographis paniculata-induced oxidative stress in the testis and epididymis of Male Wistar Rats. Medical Science, 2014, 15(58), 7-13), (Image; www.horizonherbs.com).
CASE REPORT
PATHOLOGY

Identifying Dermatomyositis: A Case Report and Review
Jadhav DS, Dukare SR, Gaikwad AL, Kale PB, Grace Dcosta

Dermatomyositis represents an idiopathic inflammatory connective-tissue disease, characterized by inflammation of the muscles and the skin. For the definitive diagnosis of dermatomyositis (DM) requires a characteristic rash and other criteria, such as proximal muscle weakness and muscle enzyme level elevation. DM often overlaps with other connective tissue diseases. A photosensitive rash often is the initial manifestation. There is a high incidence of malignancy in patients with dermatomyositis. In this article, we offer a case report of a patient with DM along with the key points of diagnosis. A physical examination, laboratory tests, antibody tests and muscle biopsy were performed. Muscle biopsy is central in establishing the diagnosis.

Medical Science, 2014, 15(58), 1-6

RESEARCH
MEDICAL BIOLOGY

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