

Editorial Message

Dear Colleagues

It gives me a great pleasure to place before you the first issue of the new year. In the previous year with the cooperation of the members, I have been able to publish four issues. I am highly thankful to all the contributing members. This is your own journal, I have only a responsibility of editing the articles sent by you. I expect more articles of clinical and basic sciences interest from the members, so that my task of publishing four issues this year on time will be easier. Present issue contains five articles.

Oxidative injury is an important factor in pathogenesis of many acute and chronic diseases of the central nervous system. Lithium pilocarpine is a widely used animal model of epilepsy. There is evidence of neuronal damage in the cerebral cortex in terms of increase in lipid peroxidation and a decrease in levels of protein and non-protein thiol groups.

The pineal gland of insectivorous bats subserves dual (photosensory and endocrine) function. Very little is known about the effect of different wavelengths of light in the pineal gland-testicular structural relationships. Blue and green light induced significant increase in the length and cross section area of pineal gland.

Vascular dementia is a broad term that includes cognitive impairment after cerebral infarcts. Hyperhomocysteinaemia has been shown to be associated with cerebrovascular disease and is now being considered as an independent and modifiable risk factor for cardiovascular as well as cerebrovascular diseases.

Aluminium is a trivalent cation that does not undergo redox change and may cause a variety of neurological disorders. Neurotoxicity from excess brain exposure to aluminium is documented from both clinical observations and animal experiments. A combination of anticholinergic drugs and micronutrients including antioxidants may be more effective than the individual agents.

Early onset familial Alzheimer's disease has been scarcely reported from India. A family in which thirteen members are affected is being reported.

Dr. Rakesh Shukla