

Neurophysiology of sleep and sleep-wake disorders

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Abstract

Sleep and wakefulness are important physiological manifestations of brain, even for clinicians. Review on Physiology of Sleep includes wakefulness as they are interchangeable, interdependent states. On discussion with introduction to sleep which includes sleep cycle; types of sleep; sleep waves neurotransmitters, pathways, circuits and receptors are summarised. Role of higher centres, parts of brain and other factors (steroid, biological rhythm, aging etc) are reviewed. Its implication in various sleep disorders and recent advances in neurophysiology related to sleep are described.



Biography:

Dharitri Parmar is working as Professor in Physiology since 2007 and as teacher in medical college since 1992. She has contributed more than 23 years of career as medical faculty after post graduation in Government Medical College, Surat, India which is affiliated to Veer Narmad South Gujarat University (VNSGU). She is multifaceted personality who is interested in academic and administrative activities. She has acted as additional Dean for 2 years. She has guided more than 7 students for post graduation studies during her career. Under her guidance number of papers are published so as she has reviewed many manuscripts for different journals. She loves to travel with work. She has visited more than 50 medical institutes for the purpose of assessment of medical school for its standardization, to conduct examination, to conduct interview for recruitment, as guest lecturer etc. within India and overseas.

Speaker Publications:

1. "Modeling of artificial human upper limb"; Natl J Physiol Pharm Pharmacol. 2013; 3(1): 21-26doi: 10.5455/njppp.2013.3.21-26
2. "Study of Neutrophil to Lymphocyte Ratio and Platelet to Lymphocyte Ratio in Hypertensives and Normotensives"; International Journal of Clinical and Experimental Physiology Vol 5 No 4 (2018)
3. "Visual evoked potential changes among hypertensive and normotensive individuals: A cross-sectional study"; National Journal of Physiology, Pharmacy and Pharmacology / DOI: 10.5455/njppp.2019.9.0932604102019.

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