

The association of temporal lobe epilepsy with mental health or psychiatric disorder

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Abstract

Temporal Lobe Epilepsy (TLE) is defined as a condition characterised by recurrent, unprovoked seizures, originating from medial and lateral temporal lobe. This common type of epilepsy is sometimes difficult to diagnose, but once diagnosed it can be effectively treated with medication. Patients exhibit a varying severity of affective, behavioural, psychotic, or personality, psychotic, or personality abnormalities, which in turn, may not only lead to misdiagnosis, but also affect the management of TLE. EEG remains the primary diagnostic test of brain function such as seizures or epilepsy, head injuries, dizziness, headaches, brain tumours, sleeping disorders, stroke, dementia. Activation procedures may be carried out. This includes hyperventilation (rapid, deep breathing) and photic stimulation (rhythmic flashes of a bright light). These additional procedures may evoke abnormalities that did not occur during the artefact free EEG recording. Very serious consequences can occur if misdiagnosis is made, as it can often lead to the incorrect medication being prescribed, which in some cases worsens the seizures or may exacerbate other symptoms such as depression and or panic. Epilepsy and psychiatric disorder are not mutually exclusive diagnosis and could easily co-exist. Overlooking either diagnosis in a patient afflicted with both could possibly lead to treatment failures.



Biography:

Jamila K Adam is the Chairperson of the Institutional Research Ethics Committee at the Durban University of Technology, Durban, KwaZulu Natal, South Africa. She has published more than 30 papers in reputed journals and has been serving as an

editorial board member of 2 International journals and as a reviewer for 8 National and International journals. She has been invited to present at numerous National and International congresses either as a guest speaker or to present at plenary sessions. She was also a recipient of National and International awards for her contribution to medical research.

Speaker Publications:

1. "Gold Nanoparticles Supported on Carbon Derived from Solid Olive Waste for Epoxidation of Cyclooctene"; Asian J. Chem. / 2018 / 30(8) /pp 1731-1735
2. "Adsorption, kinetic and thermodynamic studies of safranin and methylene blue on a novel adsorbent based on phosphorylated sawdust"; Desalination and Water Treatment/ Vol 151 (2019) 199–211
3. "Green synthesis of spongy Nano-ZnO productive of hydroxyl radicals for unconventional solar-driven photocatalytic remediation of antibiotic enriched wastewater"; Journal of Environmental Management/ Vol 271, 2020, 110961.
4. "Sulphydryl functionalized activated carbon for Pb(II) ions removal: kinetics, isotherms, and mechanism"; Journal of Separation Science and Technology/ Vol 55, 2020- Issue 7
5. "Recyclable glutaraldehyde cross-linked polymeric tannin to sequester hexavalent uranium from aqueous solution"; Journal of Molecular Liquids/ Vol 281, 2019, Pages 29-38.

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