

Neurological disorder: Causes and impact

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Abstract

Neurological diseases are directly related to brain and its parts. Neurological disorder is related to seizure disorders like epilepsy, stroke, multiple sclerosis, neuromuscular disorders (myasthenia gravis), infections of the nervous system, including encephalitis, meningitis, or brain abscesses, spinal cord disorders, headaches etc. In case of radiation therapy not only kills or slows the growth of cancer cells, it can also affect nearby healthy cells. Damage to healthy cells can cause side effects. It is found by study that between the skull and the cerebrum, extreme films secure the skull and psyche. There are nerves that lie underneath the skin that can cause issues when they are harmed. Inside the brain, neurons are continually terminating and transmitting data. Some neurological disorder are found which are associated with dengue.

Keywords: neurological diseases, epilepsy, stroke, multiple sclerosis

Introduction

Human body is indeed a very complex machine it is well known. Living cells and extracellular materials and organized into tissues, organs, and systems. Diverse organs can cooperate to play out a typical capacity, similar to how the parts of your stomach related framework separate sustenance. We allude to an incorporated unit as an organ framework. Gatherings of organ frameworks cooperate to make finish, practical creatures, similar to us! There are 11 noteworthy organ frameworks in the human body, which incorporate the circulatory, respiratory, stomach related, excretory, anxious and endocrine frameworks. The safe, integumentary, skeletal, muscle and conceptive frameworks are additionally part of the human body. The nervous system is made of two parts: the central and peripheral nervous system. "Life is a question of nerves, and fibres, and slowly built-up cells in which thought hides itself and passion has its dreams. You may fancy yourself safe and think yourself strong. But a chance tone of colour in a room or a morning sky, a particular perfume that you had once loved and that brings subtle memories with it, a line from a forgotten poem that you had come across again, a cadence from a piece of music that you had ceased to play... I tell you, that it is on things like these that our lives depend."

-Oscar Wilde.

It includes the brain and spinal cord. It is found that the central nervous system is made up of the brain and spinal cord. The peripheral nervous system is made up of the nerve fibers that started from the spinal cord and extend to all parts of the body such as the neck and arms, torso, legs, skeletal muscles and internal organs. Sickesses, disorders, and damages that involve the nervous system often require a neurologist for its

management and treatment. In this paper, dengue associated with neurological diseases and fatigue due to it is reported.

Result and Discussion

Cause of Neurological Disorders

Between the skull and the cerebrum, extreme films secure the skull and psyche. There are nerves that lie underneath the skin that can cause issues when they are harmed. Inside the brain, neurons are continually terminating and transmitting data. These fragile neurons can experience the ill effects of electrochemical harm or issues with basic disturbance. The brain can likewise be hurt through wounds. These parts of the psyche must work in show for the mind to work viably. On the off chance that any of the bits of the brain are working mistakenly, it will cause a neurological issue. These conditions might be caused by a basic hereditary issue or intrinsic variation from the norm. At times, issues like a contamination, unhealthiness or nerve damage can likewise cause issues. Indeed, even immune system issue can cause neurological decay.

It is very much interesting to know about the reason why neurological diseases happens basically. Neurological disarranges are maladies of the focal and fringe sensory system. At the end of the day, the mind, spinal string, cranial nerves, fringe nerves, nerve roots, autonomic sensory system, neuromuscular intersection, and muscles. These disarranges incorporate epilepsy, Alzheimer sickness and different dementias, cerebrovascular illnesses including stroke, headache and other migraine issue, numerous sclerosis, Parkinson's malady, neuroinfectious, mind tumors, awful scatters of the sensory system because of head injury, and neurological issue because of ailing health.

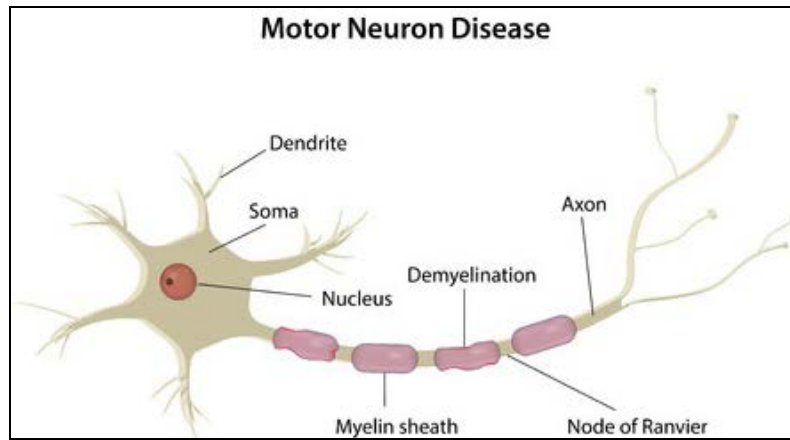


Fig 1

These are some following diseases which comes under neurological disorder: -

- Neurological indexes in dengue
- Stroke

Neurological indexes in dengue

Dengue, an acute febrile illness caused by Flavivirus, is among the most frequent arbovirus in tropical regions. Mostly infections are asymptomatic, but disease manifestations may range from minimal symptoms to death. For the first time in 2009, WHO has given importance to neurological manifestations and considered this as criteria for severe dengue infection. Neurological complications are being seen more frequently nowadays which were not seen during previous dengue virus outbreaks. Increasingly, lot of unusual case reports, case series, and studies on neurological manifestations have been published in the existing literature. Also, Dengue considers as a real part of the most ordinarily experienced arboviral infections, speaking to the quickest spreading tropical disease on the planet. It is common in 128 nations, and every year >2.5 billion individuals are in danger of dengue infection disease around the world. Neurological indications of dengue contamination are progressively detailed. Also, Dengue, an intense viral malady transmitted by Aedes mosquitoes, is very endemic in numerous tropical and

subtropical regions of the world. Neurological inconveniences of dengue disease have been watched all the more regularly in the ongoing past and a few examinations featured differed neurological intricacies emerging over the span of dengue ailment.” intersection, and muscles. These disarranges incorporate epilepsy, Alzheimer sickness and different dementias, cerebrovascular illnesses including stroke, headache and other migraine issue, numerous sclerosis, Parkinson's malady, neuroinfectious, mind tumors, awful scatters of the sensory system because of head injury, and neurological issue because of ailing health.

Stroke

It is reported that, Stroke are mainly brain attacks in which brain gets damaged severely. It happens when blood supply gets blocked. During stroke brain does not receive enough nutrients and hence it causes to die of brain. In Other words; A stroke happens when the blood supply to some portion of your mind is hindered or diminished, denying cerebrum tissue of oxygen and supplements. Inside minutes, cerebrum cells start to pass on. A stroke is a restorative crisis. Provoke treatment is essential. Early activity can limit mind harm and potential entanglements. Fortunately, strokes can be dealt with and counteracted, and numerous less amazing stroke now than previously.

Types of Stroke

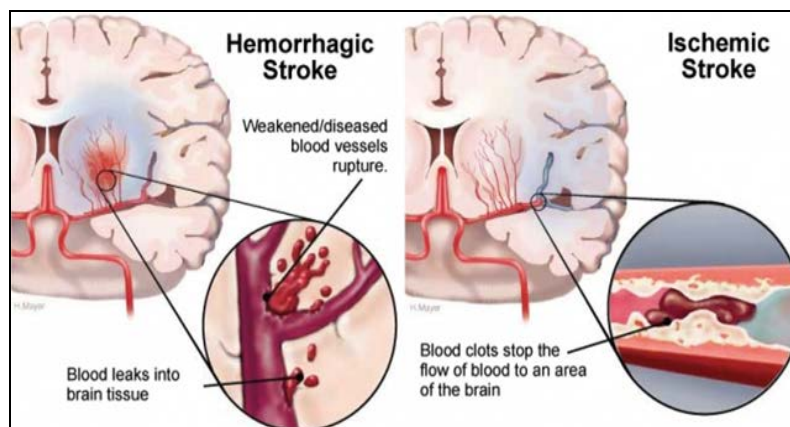


Fig 2

Ischemic Stroke

Suggestions for Stroke ischemic strokes are caused by conduits being blocked or limited, thus treatment centers around reestablishing a sufficient stream of blood to the mind.

Treatment begins with drugs that separate coagulations and keep others from shaping. Headache medicine can be given, as can an infusion of tissue plasminogen activator (TPA). TPA is extremely successful at dissolving clusters however should be infused inside 4.5 long stretches of stroke side effects beginning.

Hemorrhagic Stroke

Hemorrhagic strokes are caused by blood leaking into the brain, so treatment focuses on controlling the bleeding and reducing the pressure on the brain. Treatment can begin with drugs given to reduce the pressure in the brain, control overall blood pressure, prevent seizures and prevent sudden constrictions of blood vessels. If an individual is taking blood-thinning anticoagulants or an antiplatelet medication like warfarin or clopidogrel, they can be given drugs to counter the effects of the medication or blood transfusions to make up for blood loss.

Transient ischemic attacks (TIAs)

Likewise alluded to as a smaller than expected stroke, these happen after blood stream neglects to achieve some portion of the Brain. Typical blood stream continues after a short measure of time, and manifestations stop.

Stroke Rehabilitation

Speech therapy: It helps with any problems producing or understanding speech. Practice, relaxation, and changing communication style can all help.

Physical therapy: It helps person to learn again movement and co-ordination. It is very important to remain active, even if it seems difficult at first.

Occupational Therapy

This therapy is used to change daily activities like bathing, cooking, dressing, eating, reading and writing.

These help with common mental health problems such as depression that can occur after a stroke. Many find it useful to share common experiences and exchange information.

Fatigue Associated With Stroke

Poststroke fatigue is really a practical as well as complex phenomena. Although due to technological advancement there are many factors which have been identified. Even after that there are lot of scope of improvement in this field we can do major work in that. There are areas like - diagnosis, prevalence, severity, duration, and associated factors in which lots of work needed to be done.

Apart from all that Women's Neurology is topic which is also very essential to discuss because lots of works is being done by the researchers in this field. We can see that women faces gender based considerations in epilepsy, multiple sclerosis, migraine, autoimmune disease, sleep, stroke and paraneoplastic disorders.

Epilepsy; Estimated shows that 70 million people suffer from epilepsy. Actually Epilepsy is where brain gets affected and its neural connects gets damages severely. In this disorder nerve cell activity gets affected causes seizures.

Multiple sclerosis; (MS), in which the protective lining of the nerves gets attacked through body's immune system.

Radio-Therapy; Cranial radiation treatment is utilized to treat threatening and kind conditions and conveys extraordinary arrangement of dangers and confusions. Cranial radiation treatment (CRT) is utilized to treat an extensive variety of threatening and favorable conditions with both remedial and palliative goal. Similarly, as with every therapeutic mediation, cranial illumination is related with a remarkable arrangement of dangers and confusions. This article shows a review of clinically important here and now and long haul neurologic intricacies for CRT and surveys some essential ideas driving the pathophysiology of radiation damage and hazard factors for intricacies.

Conclusion

Neurological diseases are directly related to brain and its parts. There are nerves that lie underneath the skin that can cause issues when they are harmed. Generally, the neurological diseases do not have a identified cause or an effective, consistent cure. Neurological indexes in dengue and causes stroke, which is due to fatigue associated with neurological problems.

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