Neurological Care in Pakistan: actions are needed

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The incidence or prevalence of major neurological diseases in our country is not known. National health survey identified 33% prevalence of hypertension in age group of 45 or older. There are 2.7 million diabetics and 20% adult men and women using pan or tobacco. Although incidence of stroke or intracerebral hemorrhage is not known but due to high prevalence of cerebrovascular risk factors we can assume, that it is still less than any western country. Tetanus, rabies and polio are still prevalent in epidemic proportions despite availability of effective vaccines. Overall burden of neurological diseases is 10-15% in different countries. Approximately 5 million people suffer from neurological diseases in Pakistan. There are 70 neurologists for 140 million people in Pakistan (one neurologist for every two million people). Out of these, 40 are trained in Pakistan. These 70 neurologists are concentrated in 15 hospitals in seven cities.

This issue of JPMA is dedicated to neurological diseases and availability of neurological care in Pakistan. Various original studies on epilepsy, meningitis, stroke, neurology training and neuroimaging facilities in Pakistan are reported. These studies indicate that neurological diseases are highly prevalent in our society and as a country we are not properly equipped to prevent or treat these problems.

Neurological diseases are at large, preventable, treatable and curable, if properly diagnosed and treated. Effective preventive and therapeutic strategy could not only decrease the disease burden in our society but also reduce the disability. Actions are needed in multiple directions both from government health agencies and from private health organizations to improve this dire situation.

Number of neurologists should be increased five fold in next five years. This is possible by recruiting foreiIn trained Pakistani neurologists and starting 15-20 more neurology residency programs. All major hospitals and medical schools and universities must have a neurology section or department. Federal government should allocate funds for supporting neurology training programmes.

A well equipped National Institute for Neurological Diseases should be established by government with the support of private sector. This institute will serve as hub for neurological research, specialized training and quality care. All the neurology care hospitals and centers should be linked to this institute.

Increasing public awareness about neurological diseases and role of neurologists in treating these diseases is important in improving quality of care in our country. This could be done with the help of media. Neurological societies must play a key role in this regard.

A national health survey should be conducted for incidence and prevalence of neurological diseases, especially stroke, epilepsy, headaches, brain tumors etc. This survey will serve as the basis for long term planning related to neurological care, training and man power.

Cost of care for neurological diseases is high due to expensive, imported medications. Inmunoglobulins, interferons, triptans and tPa are a few of those. The cost of these drugs could be reduced by local preparation or regulatory modifications.

Perspective

Future of Neurology in Pakistan

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Neurology as a specialty of Medicine was introduced initially in Dow Medical College Karachi and King Edward Medical College Lahore in the early nineteen sixties. It was given the status of an optional specialty by the Pakistan Medical and Dental Council for undergraduate medical colleges. This implied that unlike the essential medical specialties it was not mandatory for a medical college to have a separate department of Neurology for purposes of its recognition by the P.M.D.C. The result was that many new medical colleges that were started from time