Hearing healthcare in India

BY VINAYA MANCHAIAH

With a population of more than a billion people, and an estimated prevalence of hearing loss of somewhere between 5.9% and 16.5%, depending on which definition you use, India has a significant number of hearing impaired individuals. They are served by both a public health service and a private sector, but for various reasons this still remains a major social and health issue. Vinay Manchaiah explores this and provides a comprehensive view of the profession in India, its roots, development, challenges, and education and training pathways.

The Republic of India is the seventh largest country in South Asia. It is the seventh largest country by area, second most populous with more than a billion people, and the most populous democracy in the world. India is well known for its culture, language and religion.

Population survey has revealed that over 21 million people in India suffering from some kind of disability, which is equivalent to 2.1% of the population. Estimated prevalence of hearing impairment in India varies significantly depending on the definition used [1].

The World Health Organisation (WHO) suggests a disabling hearing impairment of 5.9%, whereas National Sample Survey Organisation (NSSO) suggests a prevalence of 16.5% have some form of hearing disability [2]. Hearing impairment remains a major social and health issue in India, like many other disabilities.

Development of hearing healthcare as a profession

Indian traditional medicine, such as Ayurveda, Unani and Siddha has some treatment solutions to ear and hearing problems. However, various well-established audiological centres offer modern hearing healthcare services throughout the country. Traditional Ayurvedic medicine focuses on diet and natural herbs as a treatment solution to hearing loss with the view that these herbs will have a beneficial healing effect on the complete human body in a natural way, including the ear. Modern hearing healthcare is influenced by American rehabilitation models and offers hearing assessment and hearing rehabilitation with the use of modern technological devices such as hearing aids.

Generally, children born with significant hearing loss either learn sign language or use gestures. In recent years, audiological rehabilitation with amplification use is becoming popular and oral communication has become more prevalent.

India has robust training and education for audiologists compared to many low and middle-income countries. In 1965, the first audiology and speech language pathology programme was started at university level as a master’s programme. Currently there are over 50 institutes all over the country offering speech and hearing courses. The entry level for the profession as independent practitioner is a bachelor’s degree. The typical programme includes both audiology and speech language pathology, although various specialised master’s programmes in audiology are in existence. In addition, many universities offer certificate and diploma courses to train clinicians at a basic level and doctoral programmes to train clinical scientists at a higher level. It is estimated that over 10,000 people have graduated out of Indian speech and hearing schools since 1966, with an estimated 6000 to 7000 audiology professionals currently practicing in India.

The Indian Speech and Hearing Association (ISHA) is the professional and scientific association with over 2500 members, while the Rehabilitation Council of India (RCI) is the regulatory body that regulates training and professional practice.

Graduates with a bachelor’s degree in speech and hearing sciences can choose to practise in either speech pathology, audiology or dually. Generally, the patient population these graduates see depends on the place of work. For example, those working in specialist audiology clinics may only see patients with hearing loss, tinnitus and imbalance, whereas those running their own independent clinical practice dually seeing patients with all kinds of communication problems. The RCI has regulations and guidelines on the scope of practice of audiologists and speech-language pathologists, although these regulations are not well enforced, resulting in many unqualified and underqualified people offering services to patients.

Audiological services

In India, professional audiological services are available in both the public and private sectors. Healthcare services including audiological services are offered at primary, secondary and tertiary levels. Primary care nurses, community volunteers and health workers mainly offer services at primary and secondary levels in the public sector. However, at tertiary levels more specialist audiological services are offered by audiologists and otolaryngologists, which...

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“There is a need to better define the scope of practice for audiologists with different training levels and to develop standardised procedures for practice, which may result in more uniform service provision.”