A pair of kabuki syndrome & vestibular function assessment

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Kabuki syndrome, a congenital mental retardation syndrome with postnatal dwarfism, a peculiar facies, a broad and depressed nasal tip, large prominent earlobes, recurrent Otitis media, a cleft or high-arched palate, scoliosis, short fifth finger, persistence of fingerpads, radiographic abnormalities of the vertebrae, hands and hip joints. Vestibular & audiological studies in patients with Kabuki syndrome was done for addressing and diagnosis of the trueness of complaints. 10 and 12 year-old pair of Indian Thai patients, reported improper walking posture and fall while turning behind. Detailed examination by all medical fraternity needed to label Kabuki syndrome. Audiological examination and vestibular assessment along with CT scan and ENT was done. CT of temporal bone revealed unilateral enlarged vestibules. Audiological findings showed moderately severe mixed hearing loss. Caloric test reported 95% normal results except mild delay seen in the vestibular nerve conduction. Vestibular evoked myogenic potentials was used to investigate saccular function, measured from the tonically contracted sternocleidomastoid muscles using bone conducted sound stimuli at 70 dB SPL for validity of the findings. Kabuki syndrome, is caused by mutation in the KDM6A gene on chromosome Xp11.3. Literature and research reveal, high prevalence of otolaryngologic problems like ear diseases (92%), all three types of hearing loss (82%) and airways problems (58%) and prevalence cannot be explained solely on cleft palate, requires the diagnosis and treatment expertise of audiologist and otolaryngologists. Vestibular function can be affected due to inner ear abnormalities in Kabuki syndrome.

Correction of professional voice users: A SAT approach

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Introduction: SAT is an abbreviation of “Sanjiv-Anirban Technique” model developed in Kokilaben Dhirubhai Ambani Hospital, Mumbai, in 2013. Otolaryngologist Sanjiv Badhwar and Speech pathologist Anirban Dasgupta had develop their own technique to help in Voice restoration and preparation of Voice over Artist, using various medical and therapeutic tools including Digital Software based program.

Aim: Helping professional voice users the use of voice appropriately by using SAT trainings.

Materials & Methods: On emergency, during demands when the professional voice users' seeks help, the techniques are applied to help them to restore their professional values. Anatomical changes of larynx and oral cavity, alteration of Pitch, respiratory and hormonal changes, language and social developments, regular yoga practices are closely monitored. Work on loudness and use of appropriate breath needed for speech pattern, vocal modulation are done by using bio feedback digital software system. Correction of articulatory errors, digital recording and feedback, counseling and commercial auditions are helped.

Results: 80% success achieved and voice over tasks for commercial uses are restored.

Discussion: SAT model is a successful model for preparing voice over artists and helps voice over artists during vocal problems. Modification of various established voice therapy techniques according to the lifestyle and need of an individual, composition of medicinal, surgical, therapeutic and yoga is successful with populations.

Conclusion: SAT can also be applied with special population who desired to be successful in the achievement of their dream and desire.