Information Management in Speech, Language and Hearing

**Unit 1 - Assignment1**

**Summary of my research interest:**

There are various areas in speech and hearing field that are yet to be researched and my interest of area is to carry out a research over aerodynamics studies of speech production, since respiration is one of the major sub-system of speech its characteristics features are helpful in analyzing the speech output. For this area of research we can study all the communication disorders features more briefly comparing with the typical, so I’m choosing this area for my scientific research.

One of my proposal: “*Establishing accurate measurement of estimated sub-glottic pressure”*

To measure the accurate “Estimated Subglottic Pressure” using the oral pressure approach in typically developing children for both research and clinical purposes.

**Scientific Journals from among the AIISH subscriptions:**

1. Journal of AIISH, AIISH, Vol 1 (1982) to Vol 35 (2016)
2. American Journal of Speech Language Pathology, ASHA, Vol 1 (1992) to Vol 26 (2017)
3. Clinical Linguistics and Phonetics, Taylor & Francis, Vol 1 (1987) to Vol 31 (2017)
4. International Journal of Speech Language Pathology, Taylor & Francis, Vol 1 (1973) to Vol 19 (2017)
5. Journal of Phonetics, Elsevier, Vol 23 (1995) to Vol 62 (2017)
6. Journal of Voice, Elsevier, Vol 1 (1987) to Vol 31 (2017)

**Books available with AIISH L&IC:**

1. Borden, G. J., & Harris, K. S. (2003). Speech Science Primer. 4th Edition, Philadelphia. Lippincott, William & Wilkins.
2. Daniloff. R. S., Gordon & Lawrence, (1980). The Physiology of Speech & Hearing: An Introduction. New Jersey,  Prentice-Hall Inc.
3. Kent, R. D., & Read, C. (2002). The Acoustic Analysis of Speech. New York, Delmar Learning.
4. Mac Neilage, P F. (1983). The Production of Speech. NY, Springer – Verlag.
5. Fucci, D. J., & Lass, N. J. (1999). Fundamental of Speech Sciences. Boston, Allyn & Bacon.
6. Fry, D. D. (1979). The Physics of Speech. New Delhi. Cambridge University Press.
7. Ryalls, J., & Behrans, S. (2000). Introduction to Speech Sciences - From Basic Theories to Clinical Applications. Boston, Allyn & Bacon.
8. Hewlett, N., & Beck, J. M. (2006). An Introduction to the Science of Phonetics. New Jersey,  Lawrence Erlbaum Associates Publishers.
9. Pickett, J. M. (1999). The Acoustics of Speech Communication: Fundamentals, Speech Perception Theory & Technology. Boston, Allyn & Bacon.
10. Titze, I. R. (1994). Principles of Voice Production. New Jersy, Prentice – Hall Inc.

**PG dissertations:**

1. Norms for forced and slow vital capacity in adult Dravidian population Annapurna S B, Sreedevi N, 2009, DIS 694
2. Aerodynamic Parameters Across Age Groups, Jotinder, Nataraja NP, 1994, DIS 281
3. **Normative Data On Aerodynamic Parameters In Normal Adults, Rajiv P, Nataraja NP, 1995, DIS 313**
4. A Pre and Post-Surgical Comparison of Acoustic, Aerodynamic and Perceptual Analysis of Voice in Patients with Vocal Fold Polyp, Arya G, Rajasudhakar R, 2012, DIS 893
5. **Aerodynamic Measures in Children in the Age Range of 8 to 12 Years, Avinash K, Gopi Kishore, 2013, DIS 960**

**ARF Projects:**

1. Effect of Palatal lift prosthesis on laryngeal aerodynamic and voice quality in sub-mucous cleft palate, Navya A, Gopi Kishore and Pushpavathi M, 2012
2. Laryngeal aerodynamics measures in normal adults, Gopi Kishore , Pushpavathi M and Sheela S, 2012

**Publishers of the AIISH subscribed e-journals:**

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| Sl.no | Title | Publisher |
| 1 | Acta Otolaryngologica | Informahealtcare |
| 2 | American Journal of Audiology | American Speech-Language-Hearing Association |
| 3 | American Journal of Speech Language Pathology | American Speech-Language-Hearing Association |
| 4 | Audiology and Neurotology | S. Karger |
| 5 | Augmentative and Alternative Communication | Informahealtcare |
| 6 | Brain and Language | Elsevier |
| 7 | British Journal of Audiology | Informahealtcare |
| 8 | Clinical Linguistics and Phonetics | Informahealtcare |
| 9 | Folia Phoniatrica et Logopaedica | S. Karger |
| 10 | Hearing Research | Elsevier |
| 11 | International Journal of Audiology | Informahealtcare |
| 12 | Journal of Communication Disorders | Elsevier |
| 13 | Journal of Fluency Disorders | Elsevier |
| 14 | Journal of Intellectual and Developmental Disability | Informahealthcare |
| 15 | Journal of Neurolinguistics | Elsevier |
| 16 | Journal of Phonetics | Elsevier |
| 17 | Journal of Speech Language and Hearing Research | American Speech-Language-Hearing Association |
| 18 | Journal of Voice | Elsevier |
| 19 | Language Speech and Hearing Services in Schools | American Speech-Language-Hearing Association |
| 20 | Logopedics Phoiatrica Vocology | Informahealtcare |
| 21 | Perspectives on Administration and Supervision | ASHA/Division Publications |
| 22 | Perspectives on Augmentative and Alternative Communication | ASHA/Division Publications |
| 23 | Perspectives on Aural Rehabilitation and Its Instrumentation | ASHA/Division Publications |
| 24 | Perspectives on Communication Disorders and Sciences in Culturally and Linguistically Diverse (CLD) Populations | ASHA/Division Publications |
| 25 | Perspectives on Fluency and Fluency Disorders | ASHA/Division Publications |
| 26 | Perspectives on Hearing and Hearing Disorders in Childhood | ASHA/Division Publications |
| 27 | Perspectives on Hearing and Hearing Disorders: Research and Diagnostics | ASHA/Division Publications |
| 28 | Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders | ASHA/Division Publications |
| 29 | Perspectives on Speech Science and Orofacial Disorders | ASHA/Division Publications |
| 30 | Perspectives on Swallowing and Swallowing Disorders (Dysphagia) | ASHA/Division Publications |
| 31 | Perspectives on Voice and Voice Disorders | ASHA/Division Publications |
| 32 | Phonetica | S. Karger |
| 33 | Seminars in Hearing | Thieme |
| 34 | Seminars in Speech and Language | Thieme |
| 35 | Speech Communication | Elsevier |

**Status of Disability in India -2012**

Status of Disability in India is a publication by Rehabilitation Council of India (RCI) which attempts to collate information on Disability and put it in public domain so that persons with Disability and their stakeholders are able to ascertain the current situation on Disability in India.This is published in every 5 years. This 2012 edition 3 introductory chapters(covering the historical,philosophical and sociological perspective,introduction to various disabilities, policies and legislation,the magnitude of disability in india,agencies and institution and issues that concern person with disability,current trends and development including research in the area of disabilities,how technology impacts person with disabilities and how we need to take advantage of technology to make life better foer person with disability in the country) and a concluding chapter(summarises as to what the governmental and non governmental agencies , persons with disabilitiesand their stakeholders need to do to take disability issues forward and to facilitate the implementation of Government schemes and policies).

**The MIT Encyclopedia of Communication Disorders**

Edited by [Raymond D. Kent](https://mitpress.mit.edu/authors/raymond-d-kent)

The MIT Encyclopedia of Communication Disorders is the standard reference in this field for both research and clinical use. It offers almost 200 detailed entries, covering the entire range of communication and speech disorders in children and adults, from basic science to clinical diagnosis.MITECD is divided into four sections that reflect the standard categories within the field (also known as speech-language pathology and audiology): Voice, Speech, Language, and Hearing. Within each category, entries are organized into three subsections: Basic Science, Disorders, and Clinical Management. Basic Science includes relevant information on normal anatomy and physiology, physics, psychology and psychophysics, and linguistics; this provides a scientific foundation for entries in the other subsections. The entries that appear under Disorders offer information on the definition and characterization of specific disorders, and tools for their identification and assessment. The Clinical Management subsection describes appropriate interventions, including behavioral, pharmacological, surgical, and prosthetic.Because the approach to communication disorders can be quite different for children and adults, many topics include separate entries reflecting this. Although some disorders that are first diagnosed in childhood may persist in some form throughout adulthood, many disorders can have an onset in either childhood or adulthood, and the timing of onset can have many implications for both assessment and intervention.Topics covered in MITECD include cochlear implants for children and adults, pitch perception, tinnitus, alaryngeal voice and speech rehabilitation, neural mechanisms of vocalization, holistic voice therapy techniques, computer-based approaches to childrens speech and language disorders, neurogenic mutism, regional dialect, agrammatism, global aphasia, and psychosocial problems associated with communicative disorders.

Submitted By: Sumanth P (I MSc SLP)