Unit – 1 Assignment 1

**Submitted To:** Mr. Shirjitkumar A. **Submitted By:** S. Ameena Subhakani

I MSc. SLP Sec ‘A’

1. Write a summary of your research interest?

# Augmentative and Alternative Communication in Severe Dysarthrics

Individuals who are presented with dysarthria are unable to convey their needs through speech and compensate by using gestures and pointing as principle means. They may benefit largely with the use of Augmentative and Alternative Communication (AAC). AAC enhances the communication of the population with the residual vocalizations and keep intact the naturalness of communication. AAC has different modes through which people can communicate using communication aid such as pointing and/or scanning. But using these modes alone is slow, cumbersome and physically fatiguing for the AAC users and the communication partners (Brownlow, Treviranus, & Parners, 1990). It is best advised to use multiple modes of AAC to convey and exchange information. Recent advances in the field of AAC and dysarthria suggest that using residual voice as a source of communication is more effective when accompanied with other modes. It is suggested that voice conservation is necessary for communication purpose in dysarthrics. It can be taught as a simple code system like changing the duration and pitch of phonation to convey basic needs thereby reducing the physical strain. Future researches can be directed towards the creation of evidences for the use Phonatory control to enhance communication in persons with severe dysarthria.

* 1. Any 5 scientific journals from among AIISH subscriptions:

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| **S. No.** | **Name of the Journal** | **Publisher** | **Volume No., Issue No., and Year** |
| 1. | Augmentative and Alternative Communication | Taylor & Francis Online | V. No. 1 (1 – 4), 1985 to V. No. 33 (1), 2017 |
| 2. | Journal of Speech Language and Hearing Research | ASHA wire | V. No. 1 (1 – 4), 1958 to V. No. 60 (1 – 3), 2017 |
| 3. | American Journal of Speech Language Pathology | ASHA wire | V. No. 1 (1), 1991 to V. No. 26 (1), 2017 |
| 4. | Speech Communication | Elsevier – Science Direct | V. No. 1 (1 – 4), 1982 to V. No. 88 (1), 2017 |
| 5. | International Journal of Speech Language Pathology | Taylor & Francis Online | V. No. 1 (1 – 2), 1999 to V. No. 19 (1), 2017 |

* 1. Any 10 books available in AIISH L & IC:

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| **S. No.** | **Name of the Book** | **Author** | **Year** | **Publisher** | **Ac. No.** |
| 1. | Communication for the Speechless | Franklin H. Silverman | 1980 | Prentice – Hall; Englewood Cliffs, New Jersey | 06493 |
| 2. | Year Book of Speech, Language, and Hearing | Bernthal Hall Tomblin | 1990 | Morsby Year Book Publishers | 09796 |
| 3. | Clinical Dysarthria | Berry William R. | 1983 | College Hill Press, San Diego | 09034 |
| 4. | Disorders of Articulation: Aspects of Dysarthria and Verbal Dyspraxia | Arnold,Godfrey E. Winckel, F. Wyke, B. D. | 1984 | Springer – Verlag, New York | 09920 |
| 5. | Communicative Competence for Individuals who use AAC: From Research to Effective Practice | Beulkelman, David R.Light,Janice C. Richle, Joe | 2003 | Paul H. Brookes, Baltimore | 13434 |
| 6. | Language and Motor Speech Disorders in Adults | Halpern, Harvey Goldfarb, Robert | 1986 | Pro-ed, Austin | 10895 |
| 7. | Management of Motor Speech Disorders in Children and Adults | Yorkston, Kathryn M. | 1999 | Pro-ed, Austin | 12552 |
| 8. | Acoustic Communication | Simmons, Andrea Megela | 2003 | Springer- Verlag, New York | 13280 |
| 9. | Aided Communication in Everyday Interaction | Noren, Nikilas Samuelsson, Christina Plejert, Charlotta | 2013 | J& R Press Ltd. | 20625 |
| 10. | Assistive Communication Aids for the Speech Impaired | Pam Enderby | 1987 | Churchill Livingstone | 09889 |

* 1. Any 5 PG dissertations:

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| **S. No.** | **Title** | **Author** | **Guide** | **Year** | **Ac. No.** |
| 1. | Protocol for Assessment of Speech Intelligibility and Speech Naturalness in Dysarthrics in Kannada | Orin D. Silva | Manjula, R. | 2006 | 13815 |
| 2. | Contributing Factors to Listener Effort in Hypokinetic Dysarthria | Nimisha Raj, M. | Santhosh, M. | 2012 | AP1505 |
| 3. | Frequency Dysarthria Assessment in Cerebral Palsied | Hemalatha, B. | Manjula, R. | 1994 | 10430 |
| 4. | AAC in India: The Current Status of Art | Balaraju, C. | Shyamala, K. C. | 1993 | 10081 |
| 5. | Development of Test for the Assessment of Symbol Performance in Aided Communication (TSPAC) | Sara Paul | Manjula, R. | 2012 | AP1515 |

* 1. Any 2 ARF projects:

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| **S. No.** | **Title of the report** | **Investigators** | **Year** | **Ac. No.** |
| 1. | Effect of Training on Voice Projection | Savithri, S. R. | 2006-2007 | 15866 |
| 2. | Development of an Intervention Module for Preschool Children with Communication Disorders (Phase – I) | Swapna, N., Jayaram, M., Prema, K. S., and Geetha, Y. V. | 2005-2006 | 15871 |

1. Critically evaluate the following information resources pertaining to communication disorders:
   1. Encyclopedia of Communication Disorders

The MIT Encyclopedia of Communication Disorders (MITECD) given by Raymond D. Kent, is a very comprehensive volume that presents essential information on communication sciences and disorders that effect the production of the spoken language, language comprehension, voice and hearing. It is one among the standard references in the field of communication disorders for professionals, clinicians, researchers, and students for clinical use. It covers approximately all details about communication disorders of children and adults from preliminary to complex analysis, assessment, and rehabilitation options for the disordered population. Topics are explained under four categories such as Voice, Speech Language and Hearing. These categories are again divided into Basic Science, Disorders, Clinical Assessment and Management. Definitions and characterization of specific disorders and materials, instrumentations for assessment, identification and diagnosis. Various clinical management approaches such as Behavioral, Pharmacological, Surgical, Therapeutic, and Prosthetic options are provided for the different disordered population on age basis, as management differs for children and adult. Recent advanced options for benefiting population with hearing impairment such as Cochlear Implantation for children and adults, alaryngeal voice for Laryngetomees, computer based information for different disorders are also available. Therefore, this book could be considered as a bible for the students and professional in the field of speech and language pathology and audiology which provides the overall view in each and every specific disorder.

* 1. Status Disability of India, 2012.

The Status Disability of India, is published by the Rehabilitation Council of India once in five years (Department of Disability Affairs under the Ministry of Social Justice & Empowerment, Government of India). This book consists of a collaboration of information on disability and has been put to public access so that the person with disability and their stakeholders are aware of the current situation on the disability in India. The recent documentation was in 2012. It contains information about the overview on cross disability namely, hearing impairment, visual impairment, locomotor disability, mental retardation, autism, cerebral palsy, deaf - blindness, multiple disabilities, mental illness, and spinal cord injuries. Definitions, causes, associated problems, early intervention, modes of therapeutic approaches, regional service deliveries, current census and research related information are described. It also gives insight to the agencies, various disability policies, legislations, magnitude of disability in the country, institutions, current trends and developments in the areas are provided for enhancing better life for the person with the disability in the country. This document is very useful for students, professionals, researchers, and clinicians to know and further improve the modes and methods of service delivery, to put forward the issues and implementation of government schemes and policies for the better and happier life for disabled population.

**Note:** Both the books have valuable resources regarding the communication disorders and the various management techniques both clinically and socially. Books like these should be issued and validated regularly to help students and professionals update themselves. MIT Encyclopedia of Communication Disorders is really a wonder book with so much in detail and easy for the laymen to understand. RCI has taken efforts to combine all the legislative support for all the disabled based on the UNCRPD criteria, which can be of so much help to the disordered population.

1. Name the publishers of the AIISH subscribed e-journals?

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| **S. No.** | **Title of the Journal** | **Name of the publisher** |
| 1. | Acta Oto-laryngologica | Taylor & Francis Online |
| 2. | Advances in Autism | Emerald Publishing |
| 3. | Aging, Neuropsychology and Cognition | Taylor & Francis Online |
| 4. | American Annals of Deaf | Gallaudet University Press |
| 5. | American Journal of Audiology | ASHA wire |
| 6. | America Journal of Speech Language Pathology | ASHA wire |
| 7. | Analysis of Verbal Behavior | Springer Link |
| 8. | Annals of Dyslexia | Springer Link |
| 9. | Annals of Otology Rhinology and Laryngology | SAGE Publications |
| 10. | Aphasiology | Taylor & Francis Online |
| 11. | Applied Acoustics | Elsevier - Science Direct |
| 12. | Applied Psycholinguistics | Cambridge Core University Press |
| 13. | Archives of Otolaryngology Head and Neck Surgery | AMA Publications |
| 14. | Audiology and Neuro-Otology | Karger AG Publishers |
| 15. | Augmentative and Alternative Communication | Taylor & Francis Online |
| 16. | Autism: The International Journal of Research and Practice | SAGE Publications |
| 17. | Autism Research | John Wiley & Sons |
| 18. | Bilingualism: Language and Cognition | Cambridge Core University Press |
| 19. | Brain and Language | Elsevier - Science Direct |
| 20. | Canadian Journal of Linguistics | Cambridge Core University Press |
| 21. | Child Language Teaching and Therapy | SAGE Publications |
| 22. | Cleft Palate and Craniofacial Journal | American Cleft Palate – Craniofacial Association |
| 23. | Clinical Linguistics and Phonetics | Taylor & Francis Online |
| 24. | Cochlear Implants International | Taylor & Francis Online |
| 25. | Communication Disorders Quarterly | SAGE Publications |
| 26. | Cortex | Elsevier - Science Direct |
| 27. | Deafness and Education | Taylor & Francis Online |
| 28. | Dementia | SAGE Publications |
| 29. | Dyslexia | John Wiley & Sons |
| 30. | Dysphagia | Springer Link |
| 31. | Ear and Hearing | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer |
| 32. | Education and Training in Autism and Developmental Disabilities | Taylor & Francis Online |
| 33. | Evidence Based Communication Assessment and Intervention | Taylor & Francis Online |
| 34. | Exceptional Children | SAGE Publications |
| 35. | Focus on Autism and Other Developmental Disabilities | SAGE Publications |
| 36. | Folia Phoniatrica | Karger AG Publishers |
| 37. | Gesture | Ingenta Connect |
| 38. | Hearing Balance and Communication (Audiological Medicine) | Taylor & Francis Online |
| 39. | Hearing Journal | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer |
| 40. | Hearing Research | Elsevier - Science Direct |
| 41. | International Journal of Applied Linguistics | John Wiley & Sons |
| 42. | International Journal of Audiology | Taylor & Francis Online |
| 43. | International Journal of Bilingual Education and Bilingualism | Taylor & Francis Online |
| 44. | International Journal of Bilingualism | SAGE Publications |
| 45. | International Journal of Language and Communication Disorders | John Wiley & Sons |
| 46. | International Journal of Pediatric Otorhinolaryngology | Elsevier - Science Direct |
| 47. | International Journal of Speech Language and the Law (formerly Forensic Linguistics) | Equinox Publishing Limited |
| 48. | International Journal of Speech Language Pathology | Taylor & Francis Online |
| 49. | International Journal of Speech Technology | Springer Link |
| 50. | JAMA Otolaryngology Head & Neck Surgery | BioMed Central |
| 51. | Journal of Acoustical Society of America | AIP Publishing LLC |
| 52. | Journal of American Academy of Audiology | Ingenta Connect |
| 53. | Journal of Applied Research in Intellectual Disabilities | John Wiley & Sons |
| 54. | Journal of Autism and Developmental Disorders | Springer Link |
| 55. | Journal of Child Language | Cambridge Core University Press |
| 56. | Journal of Child Psychology and Psychiatry | John Wiley & Sons |
| 57. | Journal of Cleft Lip Palate and Craniofacial Anomalies | Wolters Kluwer - Medknow |
| 58. | Journal of Cognition and Development | Taylor & Francis Online |
| 59. | Journal of Cognitive Neuroscience | Massachusetts Institute of Technology Press |
| 60. | Journal of Communication Disorders | Elsevier - Science Direct |
| 61. | Journal of Early Intervention | SAGE Publications |
| 62. | Journal of Fluency Disorders | Elsevier - Science Direct |
| 63. | Journal of Indian Academy of Applied Psychology | Indian Academy of Applied Psychology |
| 64. | Journal of Indian Speech and Hearing Association | Wolters Kluwer - Medknow |
| 65. | Journal of Intellectual and Developmental Disability | Taylor & Francis Online |
| 66. | Journal of Interactional Research in Communication Disorders | Equinox Publishing Limited |
| 67. | Journal of Laryngology and Otology | Cambridge Core University Press |
| 68. | Journal of Laryngology and Voice | Wolters Kluwer - Medknow |
| 69. | Journal of Learning Disabilities | SAGE Publications |
| 70. | Journal of Memory and Language | Elsevier - Science Direct |
| 71. | Journal of Neurolinguistics | Elsevier - Science Direct |
| 72. | Journal of Phonetics | Elsevier - Science Direct |
| 73. | Journal of Positive Behavior Interventions | SAGE Publications |
| 74. | Journal of Pragmatics | Elsevier - Science Direct |
| 75. | Journal of Psycholinguistic Research | Springer Link |
| 76. | Journal of Special Education | SAGE Publications |
| 77. | Journal of Speech Language and Hearing Research | ASHA wire |
| 78. | Journal of the International Phonetic Association | Cambridge Core University Press |
| 79. | Journal of Vestibular Research | Meta Press |
| 80. | Journal of Voice | Elsevier - Science Direct |
| 81. | Laboratory Phonology | De Gruyter Mouton |
| 82. | Language Acquisition | Taylor & Francis Online |
| 83. | Language and Cognition and Neuroscience (formerly Language and Cognitive Processes) | Taylor & Francis Online |
| 84. | Language and Communication | Elsevier - Science Direct |
| 85. | Language and Speech | SAGE Publications |
| 86. | Language Learning | John Wiley & Sons |
| 87. | Language Sciences | Elsevier - Science Direct |
| 88. | Language Speech and Hearing Services in Schools | ASHA wire |
| 89. | Laryngoscope | ASHA wire |
| 90. | Learning Disability in Quarterly | SAGE Publications |
| 91. | Learning Disabilities Research & Practice | John Wiley & Sons |
| 92. | Logopedics Phoniatrics Vocology | Taylor & Francis Online |
| 93. | Noise & Health | Wolters Kluwer - Medknow |
| 94. | Otolaryngologic Clinics of North America | Elsevier - Science Direct |
| 95. | Otology and Neurotology | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer |
| 96. | Perspectives on Administration and Supervision | ASHA wire |
| 97. | Perspectives on Augmentative and Alternative Communication | ASHA wire |
| 98. | Perspectives on Aural Rehabilitation and Its Instrumentation | ASHA wire |
| 99. | Perspectives on Communication Disorders and Sciences in Culturally and Linguistically Diverse (CLD) Populations | ASHA wire |
| 100. | Perspectives of the ASHA Special Interest Groups | ASHA wire |
| 101. | Perspectives on Fluency and Fluency Disorders | ASHA wire |
| 102. | Perspectives on Global Issues in Communication Science and Related Disorders | ASHA wire |
| 103. | Perspectives on Hearing and Hearing Disorders: Research and Diagnostics | ASHA wire |
| 104. | Perspectives on Neurophysiology and Neurogenic Speech and Language Disorders | ASHA wire |
| 105. | Perspectives on Public Health Related to Hearing and Balance | ASHA wire |
| 106. | Perspectives on Speech Science and Swallowing Disorders | ASHA wire |
| 107. | Perspectives on Tele practice | ASHA wire |
| 108. | Perspectives on Voice and Voice Disorders | ASHA wire |
| 109. | Phonetica | Karger AG Publishers |
| 110. | Phonology | Cambridge Core University Press |
| 111. | Reading and Writing | Springer Link |
| 112. | Research in Autism Spectrum Disorders | Elsevier - Science Direct |
| 113. | Seminars in Hearing | Georg Thieme Verlag KG |
| 114. | Seminars in Speech and Language | Georg Thieme Verlag KG |
| 115. | Sign Language and Linguistics | Ingenta Connect |
| 116. | Speech Communication | Elsevier - Science Direct |
| 117. | Speech, Language and Hearing | Taylor & Francis Online |
| 118. | Topics in Language Disorders | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer |
| 119. | Trends in Cognitive Sciences | Elsevier - Science Direct |