**UNIT 1 ASSIGNMENT**

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**2016-‘17**

**1.Summary of Research Interest: “COARTICULATION”**

Coarticulation is the idea that each speech sound is affected by every other speech sound around it and each sound slightly changes according to its environment.  In a nutshell, it sounds take on qualities of other sounds that precede or follow them (our articulators either anticipate the next sound or carryover qualities from the prior sound).  We don't speak in single sounds.    
We rarely even speak in single words. We speak in connected strings of syllables.

A good example of coarticulation involves words that have the vowel *a* and a nasal consonant /n/ or /m/.  Try to sound out "can" or "ham."If we  try to teach a *child*  to sound out these words.   
It breaks all the rules because of coarticulation.    
The vowel *a*takes on a nasal quality- changing it*completely*.

When we produce 1 syllable in about a *fifth* of a second or an average of about 15 sounds per second.  Not only is speech production, it requires the coordination of about 100 muscles and countless neurotransmissions.

So while we speak,our lips, jaw, tongue and vocal folds move very quickly.Our brains choreograph the movements we need to make so that all of the movements needed for vowels and consonants are produced simultaneously.  To do this, sounds can't exist in isolation, they flow together so that our speech sounds smooth and we are able to produce 5 syllables per second.  Otherwise we would talk like robots.Thus with all of that intermingling of sounds going on, individual sound productions get "tweaked" in the process.

Hence the study of Coarticulation is extremely interesting and is of great clinical relevance.

**A.Scientific Journals:**

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|  | **Journal Name** | **Publisher** | **Vol No** | **Year** |
|  | Journal of Phonetics | Elsevier | Vol 23-62  (open access) | 1995-2017 |
|  | Journal of Phonetics & Audiology | OMICS International | Vol 1- 3 | 2015-2017 |
|  | [The Journal of the Acoustical Society of America](http://asa.scitation.org/journal/jas) | Scitation | Vol 1-141 | 1930-2017 |
|  | Applied Acoustics | Elsevier | Vol 1-123 (3) | 1968-2017 |
|  | Clinical linguistics & Phonetics | Taylor & Francis | Vol 1-31 | 1987-2017 |

**B. Books**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl No** | **Title of Book** | **Author** | **Publisher** | **Year** | **Accession No** |
| 1. | Physiology of speech production:An Introduction to speech scientists | W J Hardcastle | Academic Press Inc | 1976 | 3532,6958 |
| 2. | |  | | --- | | Coarticulation: Theory,  Data and Techniques | |  | | Hardcastle, William J. H, Nigel | Cambridge University Press | 1999 | 12129 |
| 3. | [Handbook of Phonetic Science](http://192.168.102.150:8080/(S(mjr3jb33xvl5dvny5t5axw55))/OPAC/BookDetailsOPAC.aspx?lnk=17563) | Hardcastle, William J. Laver, John Gibbon, Fiona E. | John Wiley and Sons  , New York | 2010 | E00098 |
| 4. | An Introduction to Instrumental Phonetics | Painter, Colin | University Park Press  , BALTIMORE | 1979 | 7048 |
| 5. | [Articulatory Phonetics](http://192.168.102.150:8080/(S(mjr3jb33xvl5dvny5t5axw55))/OPAC/BookDetailsOPAC.aspx?lnk=17077) | Gick, Bryan Wilson, Ian Derrick, Donald | Wiley Blackwell  , East Sussex | 2013 | 19299,  19300 |
| 6. | |  | | --- | | Acoustic and  Auditory  Phonetics | |  | | Johnson, Keith | Black Well  , OXFORD | 2003 | 12698 |
| 7. | [A Course in Phonetics](http://192.168.102.150:8080/(S(mjr3jb33xvl5dvny5t5axw55))/OPAC/BookDetailsOPAC.aspx?lnk=4057) | Ladefoged, Peter | Thomson Learning  , Australia | 2001 | 3378,3910,13634 |
| 8. | [An Introduction to the Science of Phonetics](http://192.168.102.150:8080/(S(mjr3jb33xvl5dvny5t5axw55))/OPAC/BookDetailsOPAC.aspx?lnk=1587) | Hewlett, Nigel Beck, Janet | Lawrence Erlbaum Associates, Publishers  , New Jersey | 2006 | 15431,  17977,  17978,  17979 |
| 9. | [Clinical Phonetics and Linguistics](http://192.168.102.150:8080/(S(mjr3jb33xvl5dvny5t5axw55))/OPAC/BookDetailsOPAC.aspx?lnk=9426) | Ziegler, Wolfram Deger, Karin | Whurr Publishers Ltd | 1998 | 12040,  12041 |
| 10. | [Clinical Linguistics and Phonetics](http://192.168.102.150:8080/(S(mjr3jb33xvl5dvny5t5axw55))/OPAC/BookDetailsOPAC.aspx?lnk=12683) | Ball, Martin J. Powell, Thomas W. | Taylor and Francis Ltd.  , London | 2006 | 15102 |

**C. PG Dissertations**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **Sl No** | **Title** | **Author** | **Guide** | **Year** | **Accession No** |
| 1. | Labial Coarticulation in Malayalam | Mili,CS | Savithri,SR | 2003 | 481 |
| 2. | |  | | --- | | Development of  Anticipatory Co articulation of  /u/ in Malayalam speaking  children | |  | | Litna A V | Savithri,SR | 2014 | 1035 |
| 3. | Comparison of Coarticulation Perception in Individuals with Normal  Hearing and Hearing Impairment | Prathibha NG | Asha Yathiraj | 2016 | 1136 |
| 4. | Coarticulatory effects in /t/ misarticulation Case :A single case study | Krishna Y | Manjula R | 1991 | 215 |
| 5. | Development of perception of Co Articulation | **Bhuvaneshwari, C.S.** | Savithri S R | 1993 | 258 |
| 6. | Development of production of Co Articulation in Children | Ganesh Perumal P G | Savithri S R | 1993 | 260 |

**D.ARF Projects**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl No** | **Title** | **Investigators** | **Year** | **Accession No** |
| 1. | Study of Co Articulation in using F2 locus equation as a metric | Sreedevi N,Vasantha Lakshmi M S | 2013-2014 | DP 97 |

**Status of Disability in India-2012:**

The Rehabilitation Council of India has recently brought out a comprehensive book entitled “Status of Disability in India. Disabilities latest information, data and statistics on the status of disability in India covering all the major like Autism, Cerebral Patsy, Hearing Impairment, Mental RetardationlMental Locomotor Illness, Visual Impairment, Impairment, Spinal Injuries, etc.

The authors have tried to cover various aspects of disability and various constitutional rights and acts for individuals with Disability.

The Indian Constitution provides broad categories of fundamental rights. While Part III of the Constitution provides for fundamental rights, which are justiciable and courts can be approached for their enforcement, Part IV provides for Directive Principles of State Policy which are fundamental in the governance of the country; and it shall be the duty of the State to apply these principles in making laws. The laws and schemes referred in this section provide equal opportunities and prohibit all discriminations against every citizen of India, which also includes persons with disabilities.

It highlights the conditions and increasing prevalence if any, which would give directions of the capacities of the disordered population as an independent adult, as well as those as elderly population and if at all any change in the policies or legislation is needed.

Information about the incidence of various disabilities across different states of India has also been mentioned in this book

**Encyclopedia of communication Disorders:**

The Encyclopedia of Communication Disorders is a comprehensive volume that presents essential information on communication sciences and disorders. The pertinent disorders are those that a¤ect the production and comprehension of spoken language and include especially disorders of speech production and perception, language expression, language comprehension, voice, and hearing.A comprehensive book stands nearly alone as a resource for anyone interested in the broad field of communication disorders.

ECD is organized into the four broad categories of Voice, Speech, Language, and Hearing. These categories represent the spectrum of topics that usually fall under the rubric of communication disorders (also known as speech-language pathology and audiology, among other names).Voice is internationally recognized as a clinical and research specialty, and it is represented by journals dedicated to its domain (e.g., the Journal of Voice). The use of these four categories achieves a major categorization of knowledge but avoids a narrow fragmentation of the field at large. It is to be expected that the Encyclopedia would include cross-referencing within and across these four major categories.

Part I- Voice:

Starting with the acoustic assessment and moving to the anatomy of human larynx with covering of the laryngectomees and Assessment tools description. It gives an overview and concise information of disorders and it s management as in functional voice disorders, infectious diseases and hypokinetic as well. It includes the management of surgical way as well as therapeutic way.

Part II- Speech

Areas included under speech are apraxia, dysarthria, Mental retardation, AAC and computer based as well as conventional intervention approaches to all the disorder. Assessment protocols and tools described for the disorders as well. Although not in the extended detail version, the data is collaborative and available under one roof to know at glance of the contents available.

Part III- Language

Language section covers the areas of assessment and diagnosis with management of the disorders including aphasia, Speech language impairment, specific importance is given to intervention of aphaisa and an effort to cover the subtypes of the disorder is also done. Other disorders include right hemisphere disorder, Alzeihmer’s disease.

Part IV- Hearing

Starting with anatomy of ear and covering the till the cochlear implant candidacy and management. It puts light on all the assessment protocol of the tests performed and updated data about the ongoing new strategies and procedures.

Thus this Encyclopedia provides an accurate overview about communication disorders.

**Publishers of AIISH Subscribed E Journals:**

|  |  |  |  |
| --- | --- | --- | --- |
| **S. No.** | **Title of the Journal** | **Name of the publisher** | **Year** |
| 1. | Acta Oto-laryngologica | Taylor & Francis Online | 1918 |
| 2. | Advances in Autism | Emerald Publishing | 2016 |
| 3. | Aging, Neuropsychology and Cognition | Taylor & Francis Online | 1997 |
| 4. | American Annals of Deaf | Gallaudet University Press | 1980 |
| 5. | American Journal of Audiology | ASHA wire | 1991 |
| 6. | America Journal of Speech Language Pathology | ASHA wire | 1991 |
| 7. | Annals of Dyslexia | Springer Link | 1997 |
| 8. | Aphasiology | Taylor & Francis Online | 1997 |
| 9. | Applied Acoustics | Elsevier - Science Direct | 2017 |
| 10. | Applied Psycholinguistics | Cambridge Core University Press | 1999 |
| 11. | Archives of Otolaryngology Head and Neck Surgery | AMA Publications | 1998 |
| 12. | Audiology and Neuro-Otology | Karger AG Publishers | 1996 |
| 13. | Augmentative and Alternative Communication | Taylor & Francis Online | 1985 |
| 14. | Autism: The International Journal of Research and Practice | SAGE Publications | 1999 |
| 15. | Autism Research | John Wiley & Sons | 2010 |
| 16. | Bilingualism: Language and Cognition | Cambridge Core University Press | 1998 |
| 17. | Brain and Language | Elsevier - Science Direct | 1974 |
| 18. | Canadian Journal of Linguistics | Cambridge Core University Press | 2017 |
| 19. | Child Language Teaching and Therapy | SAGE Publications | 1997 |
| 20. | Cleft and Craniofacial Journal | American Cleft Palate – Craniofacial Association | 1990 |
| 21. | Clinical Linguistics and Phonetics | Taylor & Francis Online | 1987 |
| 22. | Cochlear Implants International | Taylor & Francis Online | 2000 |
| 23. | Communication Disorders Quarterly | SAGE Publications | 1998 |
| 24. | Cortex | Elsevier - Science Direct | 2007 |
| 25. | Deafness and Education | Taylor & Francis Online | 1999 |
| 26. | Dementia | SAGE Publications | 2002 |
| 27. | Dyslexia | John Wiley & Sons | 2010 |
| 28. | Dysphagia | Springer Link | 1997 |
| 29. | Ear and Hearing | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 1980 |
| 30. | Evidence Based Communication Assessment and Intervention | Taylor & Francis Online | 2007 |
| 31. | Exceptional Children | SAGE Publications | 2001 |
| 32. | Focus on Autism and Other Developmental Disabilities | SAGE Publications | 1999 |
| 33. | Folia Phoniatrica | Karger AG Publishers | 1949 |
| 34. | Gesture | Ingenta Connect | 2011 |
| 35. | Hearing Balance and Communication (Audiological Medicine) | Taylor & Francis Online | 1997 |
| 36. | Hearing Journal | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 1994 |
| 37. | Hearing Research | Elsevier - Science Direct | 2010 |
| 38. | International Journal of Applied Linguistics | John Wiley & Sons | 2016 |
| 39. | International Journal of Audiology | Taylor & Francis Online | 1962 |
| 40. | International Journal of Bilingual Education and Bilingualism | Taylor & Francis Online | 1998 |
| 41. | International Journal of Bilingualism | SAGE Publications | 1997 |
| 42. | International Journal of Language and Communication Disorders | John Wiley & Sons | 1997 |
| 43. | International Journal of Pediatric Otorhinolaryngology | Elsevier - Science Direct | 2007 |
| 44. | International Journal of Speech Language and the Law (formerly Forensic Linguistics) | Equinox Publishing Limited | 1998 |
| 45. | International Journal of Speech Language Pathology | Taylor & Francis Online | 1997 |
| 46. | International Journal of Speech Technology | Springer Link | 1989 |
| 47. | Journal of Applied Research in Intellectual Disabilities | John Wiley & Sons | 2010 |
| 48. | Journal of Autism and Developmental Disorders | Springer Link | 1997 |
| 49. | Journal of Child Language | Cambridge Core University Press | 1997 |
| 50. | Journal of Child Psychology and Psychiatry | John Wiley & Sons | 2010 |
| 51. | Journal of Cleft Lip Palate and Craniofacial Anomalies | Wolters Kluwer - Medknow | 2016 |
| 52. | Journal of Cognition and Development | Taylor & Francis Online | 2000 |
| 53. | Journal of Cognitive Neuroscience | Massachusetts Institute of Technology Press | 1989 |
| 54. | Journal of Communication Disorders | Elsevier - Science Direct | 1967 |
| 55. | Journal of Early Intervention | SAGE Publications | 1999 |
| 56. | Journal of Fluency Disorders | Elsevier - Science Direct | 1974 |
| 57. | Journal of Indian Academy of Applied Psychology | Indian Academy of Applied Psychology | 2015 |
| 58. | Journal of Indian Speech and Hearing Association | Wolters Kluwer - Medknow | 2016 |
| 59. | Journal of Intellectual and Developmental Disability | Taylor & Francis Online | 1976 |
| 60. | Journal of Interactional Research in Communication Disorders | Equinox Publishing Limited | 2010 |
| 61. | Journal of Laryngology and Otology | Cambridge Core University Press | 1887 |
| 62. | Journal of Laryngology and Voice | Wolters Kluwer - Medknow | 2017 |
| 63. | Journal of Learning Disabilities | SAGE Publications | 1999 |
| 64. | Journal of Memory and Language | Elsevier - Science Direct | 2007 |
| 65. | Journal of Neurolinguistics | Elsevier - Science Direct | 1985 |
| 66. | Journal of Phonetics | Elsevier - Science Direct | 1995 |
| 67. | Journal of Pragmatics | Elsevier - Science Direct | 2007 |
| 68. | Journal of Psycholinguistic Research | Springer Link | 1997 |
| 69. | Journal of Special Education | SAGE Publications | 1999 |
| 70. | Journal of Speech Language and Hearing | ASHA wire | 1958 |
| 71. | Journal of the Acoustical Society of America | AIP Publishing LLC | 1930 |
| 72. | Journal of the American Academy of Audiology | Ingenta Connect | 2002 |
| 73. | Journal of the International Phonetic Association | Cambridge Core University Press | 2001 |
| 74. | Journal of Vestibular Research | Meta Press | 2000 |
| 75. | Journal of Voice | Elsevier - Science Direct | 1987 |
| 76. | Laboratory Phonology | De Gruyter Mouton | 2010 |
| 77. | Language Acquisition | Taylor & Francis Online | 2014 |
| 78. | Language and Cognition and Neuroscience (formerly Language and Cognitive Processes) | Taylor & Francis Online | 1997 |
| 79. | Language and Communication | Elsevier - Science Direct | 2007 |
| 80. | Language and Speech | SAGE Publications | 1999 |
| 81. | Language Learning | John Wiley & Sons | 2006 |
| 82. | Language Sciences | Elsevier - Science Direct | 2007 |
| 83. | Language Speech and Hearing Services in Schools | ASHA wire | 1970 |
| 84. | Laryngoscope | ASHA wire | 1997 |
| 85. | Learning Disability in Quarterly | SAGE Publications | 2010 |
| 86. | Learning Disabilities Research & Practice | John Wiley & Sons | 2000 |
| 87. | Logopedics Phoniatrics Vocology | Taylor & Francis Online | 1991 |
| 88. | Noise & Health | Wolters Kluwer - Medknow | 2015 |
| 89. | Otolaryngologic Clinics of North America | Elsevier - Science Direct | 1998 |
| 90. | Otology and Neurotology | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 2001 |
| 91. | Perspectives of the ASHA Special Interest Groups | ASHA wire | 2016 |
| 92. | Phonology | Cambridge Core University Press | 1997 |
| 93. | Reading and Writing | Springer Link | 1997 |
| 94. | Research in Autism Spectrum Disorders | Elsevier - Science Direct | 2007 |
| 95. | Seminars in Hearing | Georg Thieme Verlag KG | 1980 |
| 96. | Seminars in Speech and Language | Georg Thieme Verlag KG | 1984 |
| 97. | Sign Language and Linguistics | Ingenta Connect | 2016 |
| 98. | Speech Communication | Elsevier - Science Direct | 1982 |
| 99. | Speech, Language and Hearing | Taylor & Francis Online | 1996 |
| 100. | The Analysis of Verbal Behavior | Springer Link | 2014 |
| 101. | Topics in Language Disorders | Lippincott Williams & Wilkins, Ovid – Wolters Kluwer | 2001 |
| 102. | Trends in Cognitive Sciences | Elsevier - Science Direct | 2016 |

**Thank You ☺**