**DEPARTMENT OF AUDIOLOGY**

**MONTHLY REPORT FOR THE MONTH OF MAY**

1. **Monthly Statistics (From 1st to31st May 2016)**

**ACADEMIC ACTIVITIES**

1. **Short-term Training / Orientation Programs organized-NIL**
2. **In-house Training / Staff enrichment program –**

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| --- | --- | --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Topic** | **Coordinator** | **Lecture delivered** | **Objectives** | **Target audience** | **No. of partic--ipants** | **Date** |
|  | Acoustics & Specifications of an Audiometric setup | Dr. Sandeep M., HOD Audiology | Ms. Priyanka J. | To update with the recent developments in the field of Audiology | Staff of Audiology | 30 | 19.05.16 |
|  | Case presentation | Dr. Sandeep M., HOD Audiology | Mr. Jithin B | To update with the recent developments in the field of Audiology | Staff of Audiology | 30 | 25.05.16 |
|  | Insertion Gain Measuremens (Theme of the month) | Dr. Sandeep M., HOD Audiology | Ms. Geetha C. | To update with the recent developments in the field of Audiology | Staff of Audiology | 24 | 26.05.16 & 27.05.16 |

1. **Clinical training of students**

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| --- | --- | --- | --- | --- |
| **Class** | **HE/HAT** | **OPD** | **EM** | **LTU** |
| I BASLP | 30 | 12 | 0 | 10 |
| II B.Sc (Sp. & Hg.) | 23 | 0 | 0 | 14 |
| III B.Sc (Sp. & Hg.) | 22 | 0 | 10 | 15 |
| Interns (AIISH) | 19 | 0 | 7 | 8 |
| I M.Sc (Aud) | 24 | 6 | 0 | 12 |
| II M.Sc (Aud) | 9 | 3 | 0 | 9 |
| DHA&ET | 0 | 0 | 6 | 0 |
| DHLS | 0 | 0 | 0 | 0 |
| DESE-HI | 0 | 0 | 0 | 0 |
| PG-ENT (External) | 0 | 0 | 0 | 0 |

1. **Practical training in Laboratories**

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| --- | --- | --- | --- | --- | --- |
| **Sl.**  **No.** | **Class** | **EPL** | **PAL** | **Practical lab** | **IHDU** |
| **No. of**  **students** | **No. of**  **students** | **No. of**  **students** | **No. of**  **students** |
| 1. | II M.Sc | 3 | 2 | 0 | 3 |
| 2. | I M.Sc | 6 | 6 | 0 | 0 |
| 3. | I BASLP | 0 | 12 | 12 | 0 |

1. **Journal conference/Clinical Conference**

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| --- | --- | --- | --- |
| **Guide** | **Presenters** | **Title** | **Date** |
| Dr. Jijo P.M.  (JC) | Jeena T K, Kreethi S P , Naveen C P, Sreelakshmi H D | Amplitude Modulated S-Tones Can Be Superior to Noise for Tinnitus Reduction. | 12.05.16 |

1. **Clinical Observation postings of students from other Institutes:**

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Theme / Topic** | **Objectives** | **Target audience** | **No. of participants** | **Date** |
|  | HE, HAT–An overview & observation | Observation of hearing tests, procedures involved in hearing aid fitting | Dr. BasavarajHiremath, General Practioner/Otorhinolarlyngologist , J.N Medical college Belgavi. | 1 | 06.05.16 |
|  | HE, HAT–An overview & observation | Observation of hearing tests, procedures involved in hearing aid fitting | Dr. AnushriMukhopadhyay, General Practioner/Otorhinolarlyngologist, Goa. | 1 | 19.05.16 |

1. **Seminars / Conferences / Workshops**
2. **Organized: 2**

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| **No.** | **Theme / Topic** | **Coordinator** | **Objectives** | **Target audience** | **No. of participants** | **Date** |
|  | Workshop on ‘Dissertation topic-identification process and designing of research methodologies’ | Dr. Sandeep M. & Mr. Nike G | To help students to identify research topics and research designs for their masters dissertation | II M.Sc students (Aud. & SLP) | 46 | 15.05.16 |
|  | Workshop on Fine tuning of digital hearing aids for individuals with Hearing Impairment | Dr. Ramadevi K.J.S, Mr. PrashanthPrabhu | To fine tune digital hearing aids for individuals with hearing impairment | Individuals with hearing impairment | 16 | 26.05.16 (Half day) |

1. **Attended: NIL**
2. **Guest lectures/Invited talks**
3. **Attended-NIL**
4. **Organised-**

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| --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Lecturer** | **Topic of lecture** | **Organizer** | **Date** |
|  | Prof. RoopaNagarajan, Chairperson and professor of speech language and hearing sciences, SRMC, Chennai | * Challenges in running a speech and hearing center in hospital set-up * Challenges in running a speech and hearing center in Rural Set-up. * Tele practice in Audiology | Mr. Sreeraj K. and Mr. Ganapathy M.K. | 14.05.16 |
|  | Prof. Rangasayee, Director-Technical, Dr. S.R. C Institute of Speech and Hearing, Bengaluru | * Implementation of laws and legislations in Audiology * Problems/challenges in implementing the laws | Mr. Sreeraj K. and Mr. Ganapathy M.K. | 14.05.16 |
|  | Mr. Sameer P., Assistant Professor, Speech and hearing, MCH, Calicut | * Liasoning with Govt. & Non Govt. Agencies as an Audiologist | Mr. Sreeraj K. and Mr. Ganapathy M.K. | 14.05.16 |
|  | Mr. Ashok Kumar, Senior Manager-Speech Therapy and Audiology, Bokaro General Hospital, Jharkhand | * Challenges in working as Industrial Audiologist | Mr. Sreeraj K. and Mr. Ganapathy M.K. | 14.05.16 |
|  | Ms. RadhikaPooviah  Director, Samvaad Institute of speech and hearing, Bengaluru | * Establishing/ running a speech and hearing institution | Mr. Sreeraj K. and Mr. Ganapathy M.K. | 16.05.16 |
|  | Dr. M. Shivaprasad Reddy, Head – Training and Clinical Development, M/s. Amplifon India Pvt. Ltd., Bengaluru | * How to face an interview to II M.Sc students | Dr. Sandeep M. | 27.05.16 |

1. **Invited talks delivered by the Staff**
2. **Within AIISH: NIL**

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| --- | --- | --- | --- | --- |
| **No.** | **Name&designation** | **Title of the program** | **Topic of lecture** | **Date** |
| 1 | Dr. Niraj Kumar Singh, Lecturer in Audiology | Tele-orientation through video conferencing to DHLS centers connected to TCPD | Vertigo | 26.05.16 |

1. **Outside AIISH:**

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| --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Lecturer** | **Title of the program** | **Topic of lecture** | **Date** |
| 1 | Dr. Sujeet Kumar Sinha, Reader in Audiology | Seminar on advances in assessment and management of vestibular and swallowing disorders held at Baby Memorial hospital | Performing and interpreting vestibular test-cVEMP | 29th& 30th May 2016 |
| 2 | Dr. Niraj Kumar Singh, Lecturer in Audiology | Seminar on advances in assessment and management of vestibular and swallowing disorders held at Baby Memorial hospital | Performing and interpreting vestibular test-oVEMP | 29th& 30th May 2016 |

1. **Service in Academic bodies of other organization**( Name of the organization, role, tenure)

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| --- | --- |
| Ms. Devi N. | Examiner at Bangalore university on 20th and 21st May 2016 |

1. **Participation in Committees/Taskforces & Panels set-up by other organizations/agencies**( Name of the committee, organization, purpose, role, tenure)-**NIL**

**RESEARCH ACTIVITIES**

1. **Funded Research Projects**
2. **Completed Projects: Intra-mural- NIL**
3. **Completed Projects: Extramural Projects –NIL**
4. **New research project initiated: Intra-mural–NIL**
5. **New research project initiated: Extramural-NIL**
6. **Ongoing research project: Intra-mural - 15**

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| --- | --- | --- | --- | --- | --- |
| **No.** | **Title** | **Objectives** | **Investigators** | **Funding source** | **Grant amount** `  (In lakhs) |
| 01 | Neural Correlates of Perceptual Learning of Non-Native Speech Sound Contrast Learning | To investigate the neural correlates of perceptual learning of non-native speech sound contrast learning | **PI-**Dr. Ajith Kumar U  **CI-**Dr. Santosh M. | ARF | 4.33 |
| 02 | Effect of Auditory Deprivation on Some Aspects of Temporal Processing and Speech Perception Abilities | To document the effect of duration of hearing loss on word identification scores, monosyllable identification, sentence identification, temporal processing and ANL | **PI-**Dr. Sandeep M.  **CI-**Ms. Chandni Jain | ARF | 4.82 |
| 03 | Within and Across Temporal Resolution Abilities in Individuals with Normal Hearing, Sensorineural Hearing Loss and Auditory Neuropathy Spectrum Disorders | To assess and compare the temporal resolution skills using within channel and across channel GDT in individuals with normal SNHL and ANSD | **PI-**Mr. Kishore Tanniru  **CI-**Dr.AnimeshBarman | ARF | 4.33 |
| 04 | Factors Affecting Cocktail-Party Listening in Normal Hearing Listeners | To investigate effect of age on spra-threshold processing and cognition ; relation to problems with supra-threshold processing and working memory | **PI-**Ms. Chandni Jain  **CI-** Mr. Vikas | ARF | 4.38 |
| 05 | Bithermal Caloric Test and Video Impulse Test for the Assessment of Unilateral Vestibular Pathologies | To identify association between pithermal and video | **PI-**Mr. Niraj Kumar Singh  **CI-**Dr. Rajashwari G. | ARF | 4.33 |
| 06 | Noise Mapping of Mysuru City | Measurement and comparision of noise levels of identified areas (under 4 categories) at four different time frames spaning day and night | **PI-**Mr. Sreeraj K.  **CI-** Ms. Suma Chatni | ARF | 6.70 |
| 07 | Development of standardization of questionnaire to assess the outcome in adult hearing aid users | To develop questionnaire inorder to assess the outcome in adult hearing aid users | **PI-**Dr.Rajalakshmi K.  **CI-**Dr. RamadeviSreenivas  Ms. Mamatha N.M., | ARF | 4.33 |
| 08 | Relationship between envelop difference index (EDI) and speech perception with noise reduction strategies in hearing aids | To correlate the objective and subjective measurements across different experimental conditions. | **PI-**Ms. Geetha C.  **CI-**Dr. Hemanth N. | ARF | 4.33 |
| 09 | Effectiveness of SNR-50 and SNR loss in hearing aid evaluation | To evaluate the utility of SNR-50 and SNR loss in hearing aid evaluation | **PI-**Dr. Manjula P.  **CI-**Ms. Megha | ARF | 4.33 |
| 10 | Utility of acoustic change complex as an objective tool to examine DLI in healthy individuals and individuals with Auditory processing disorders | To investigate the utility of ACC as an objective measure of DLI in normal hearing individuals and individual with APD | **PI-**Dr. Prawin Kumar  **CI-** Mr. Niraj Kumar & Mr. Ganapathy M. K. | ARF | 4.33 |
| 11 | Development of hearing aid simulator | To develop a hearing aid simulator | **PI:**Sujeet Kumar Sinha  **CI:**Dr.Animesh Barman  Dr. D.S. Guru,  Dr. VijayakumarNarne |  | 2.15 |
| 12 | Development of low frequency word lists in Hindi and in Kannada | To develop & standardize low frequency word list and to investigate the applications across clinical population. | **PI:**Dr.Animesh Barman  **CI:**PrashanthPrabhu,  Dr. VijayakumarNarne  Dr. Niraj Kumar Singh |  | 5.92 |
| 13 | Development of phonemically balanced word lists in Kannada for adults | To develop and standardize phonetically balanced word list in Kannada | Dr. Manjula P.,  Ms. Geetha C.,  Mr. Sharath K.,  Mr. JawaharA.P. |  | 3.16 |
| 14 | Effectiveness of computer based auditory training in children with central auditory processing disorders | To evaluate the effective ness of computer based auditory training in children with central auditory processing disorders | Dr. Prawin Kumar  Dr. Niraj Kumar Singh |  | 8.10 |
| 15 | Newborn communication screening: Through an innovative mobile (Android based) technology | To develop android based application tool for self (parents) newborn communication screening | Mr. Arunraj K.,  Dr. JayashreeShanbal Dr. VijayakumaraNarne |  | 8.10 |

1. **Ongoing research project:Extramural-2**

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| **No.** | **Title** | **Objectives** | **Investigators** | **Fund** ` |
| 1 | Cortical auditory evoked potentials as a measure of central auditory development in children with hearing impairment | **To record CAEP in children with normal hearing and children with hearing impairment. (2) To find out the relation- ship between auditory development and language development usingP1 maturation in children with normal hearing and hearing impairment.** | Dr. VijayakumaraNarne,  Dr. Swapna N.,  Dr. Jayakumar T.  & Co-Investigator(s) Dr. Swapna N; Mr. Jayakumar T | 26,00,000 |
| 2 | Effect of auditory cognitive training on some auditory and speech perception skills in individuals with sensori-neural hearing loss (DST) project | To establish the relation-ship between working memory and auditory skills in individuals with cochlear hearing loss, To assess the influence of auditory-cognitive  training material on auditory skills, To document the auditory neuro-physiological (ERPs) changes, if any, secondary to training | Dr.Ajith Kumar U.,  Dr.Sandeep M. | 18,33,600 |

1. **Doctoral and Post-Doctoral Programs**
2. **Degree Awarded: 3**

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| --- | --- | --- | --- |
| **Name** | **Topic** | **Guide** | **Submitted on** |
| Ramya V. | Efficacy of temporal processing training in older adults | Dr. AshaYathiraj | 04.05.16 |
| Devi N | Auditory evoked potential correlates of speech and music in individuals with and without musical abilities | Dr. Ajith Kumar U. | 12.05.16 |
| UshaShastri | Influence of some auditory and cognitive factors on perceptual learning of non-native speech sound contrast | Dr. Ajith Kumar U. | 20.05.16 |

1. **Open Viva**

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| **Candidate** | **Topic** | **Guide** | **Open viva** |
| Devi N. | Auditory evoked potential correlates of speech and music in individuals with and without musical abilities | Dr. Ajith Kumar U | 03.05.16 |
| UshaShastri | Influence of some auditory and cognitive factors on perceptual learning of non-native speech sound contrast | Dr. Ajith Kumar U | 09.05.16 |

1. **Thesis Submitted: Nil**
2. **Under Progress: 26**

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| **No.** | **Name** | **Topic** | **Guide** |
|  | Geetha C | Optimization of compression parameters in hearing aids using aided audibility index | Prof. Manjula P |
|  | Sharath Kumar K.S. | Effect of noise reduction algorithms (NRA) in hearing aids on acoustic and perceptual measures | Prof. Manjula P |
|  | M.K. Ganapathy | Effect of age and noise on acoustic change complex – An electrophysiological study | Prof. Manjula P |
|  | RoshniPillai | Auditory, visual and auditory-visual processing in children with learning disability | Prof. AshaYathiraj |
|  | M.P. Reuben Jebaraj | Influence of hearing aid fitting strategies on speech recognition in individuals with sloping hearing loss | Prof. Manjula P |
|  | Chandni Jain | Psychophysical abilities and working memory in individuals with normal hearing sensitivity across different age groups | Dr. Ajith Kumar U |
|  | Sreeraj K | Audiological profile and management of tinnitus in individuals with normal hearing | Prof. Manjula P |
|  | Megha | Auditory cognitive and neuro-physio -logical basis of hearing aid acclimatization | Dr. Sandeep M |
|  | Jithin Raj B | Audiovisual perception of acoustically enhanced speech in individuals with auditory neuropathy spectrum disorders | Dr. Sandeep M |
|  | Priyanka V | Temporal processing abilities audi -tory working memory and speech perception in noise in vocal musicians, violinists and non-musicians | Prof. Rajalakshmi K |
|  | Srikar V | Auditory continuity and perceptual restoration of speech in noise-relationship with speech intellibility in individuals with normal hearing and cochlear hearing loss | Dr. Animesh Barman |
|  | G. Nike Gnanateja | Effect of Speech intelligibility on the cortical entrainment to the temporal envelop of speech | Dr. Sandeep M |
|  | KumariApeksha | Effect of noise and amplification on speech perception in individuals with auditory neuropathy spectrum disorder-electrophysiological and behavioural study | Dr. Ajith Kumar U |
|  | PrashanthPrabhu P | Amplification strategies to improve aided speech perception in individuals with auditory neuropathy spectrum disorder | Prof. Animesh Barman |
|  | Arunraj K | Clinical validation of Wide band absorbance Tympanometry in detecting middle ear disorders | Prof. Animesh Barman |
|  | Jawahar Antony P | Stream percept with sinusoidally amplitude modulated stimuli and its relation with speech perception in noise in individuals with normal hearing and Sensorineural hearing loss | Prof. Animesh Barman |
|  | Nisha K.V | Effect of training regime on behavioural and electrophysiological correlates of auditory spatial processing in individuals with sensorineural hearing loss | Dr. Ajith Kumar U |
|  | Pawan M | Investigation of mechanism underlying poor speech perception in individuals with cochlear hearing loss based on recovered envelope cues and the contribution of temporal fine structure cues in sequential segregation | Prof. Rajalakshmi K |
|  | Mamatha N.M | Effect of auditory processing abilities on academic performance in Kannada speaking primary school children | Prof. AshaYathiraj |
|  | Anu Prasad | Auditory processing in children with benign epilepsy with centro temporal spikes/rolandic epilepsy | Prof. Rajalakshmi K |
|  | PrajnaNayak | Fundamental frequency (f0) encoding and speech perception in noise | Prof. Rajalakshmi K |
|  | Vignesh S.S. | Auditory processing in individuals with cerebellar disorders-Review of literature | Prof. Rajalakshmi K |
|  | Dhanya M | Perceptual cues of Coarticulation in Malayalam in Normal Hearing and Hearing impaired individuals | Dr. Sandeep M |
|  | RakeshGatla | Auditory processing and speech perception abiliites in carriers of mutated genes that cause hearing loss (Tentative) | Dr. Sandeep M |
|  | Yashashwini L | Categorical perception and processing of speech and music stimuli in individuals with and without music training (Tentative) | Dr. Sandeep M |
|  | Darga Baba Fakaruddin | The role of cognitive abilites for successful hearing aid fitting and use | Prof. Rajalakshmi K |

1. **PG Dissertations**
2. **Completed : NIL**
3. **Under progress -29 (Submitted on 20.05.16)**

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| **No.** | **Name of the candidate** | **Title of the dissertation research proposal** | **Guide** |
| 01 | Abhishek  Gowda | Role of hearing aid bandwidth on perception of speech and music in individuals with sensorineural hearing loss | Dr. Manjula P. |
| 02 | Aditi  Gargeshwari | Test retest repeatability of contralateral inhibition of transient evoked otoacoustic emissions | Dr. Ajith Kumar U. |
| 03 | Akshatha  Yogendra | Effect of hearing aid acclimatization on some auditory and 3working memory skills in individuals with hearing impairment | Dr. Ajith Kumar U. |
| 04 | Indu T.S. | Influence of vocoder frequency bands on perception of Malayalam chimeric sentences | Ms. Devi N. |
| 05 | Ishu Mittal | Hearing aid handling skills: Comparison across the duration of hearing aid use | Dr. Rajalakshmi K. |
| 06 | Jeevan Baby Jacob | International outcome inventory for hearing aids (IOI-HA) in Malayalam – Adaptation from (IOI-HA) English | Dr. Rajalakshmi K. |
| 07 | Jha  Raghav  Hira | Assessment of semicircular canal, saccule and utricle function in elderly population | Dr. Sujeet Kumar Sinha |
| 08 | Jim Saroj Winston | Effect of auditory and visual distracters on brainstem encoding of speech | Dr. Sandeep M |
| 09 | Madalambika M.B. | Relationship between speech in noise test, auditory efferent system and speech ABR: Comparison between younger and middle aged adults | Dr. Sujeet Kumar Sinha |
| 10 | Madhusagar G. | Effect of noise spectrum on cortical evoked auditory potentials in younger and older adults with normal hearing sensitivity | Dr. Animesh Barman |
| 11 | Maithri N. | International outcome inventory for hearing aids (IOI-HA) in Kannada – Adaptation from (IOI-HA) English | Dr. Rajalakshmi K |
| 12 | Mamatha H.R. | Auditory brainstem responses using chained stimuli of multiple frequency tone bursts | Dr. Sandeep M |
| 13 | Meghana Mohan B. | Effect of noise spectrum on cortical evoked auditory potentials in individuals with normal hearing and individuals with Sensorineural hearing loss | Dr. Animesh Barman |
| 14 | Nirupama S. | Effect of duration and level of noise exposure on frequency resolution ability in individuals with occupational noise exposure | Ms. Devi N |
| 15 | PanchamPonnana S.A. | Equivalence of the matrix sentence test in Indian-English in the presence of noise | Dr. AshaYathiraj |
| 16 | PotdarRiddhiSuhas | Effect of noise spectrum on cortical evoked auditory potentials in children with and without learning disability | Dr. Animesh Barman |
| 17 | PrabhuLatika Ramesh | Retrospective study on prevalence and audiological findings in cases with chronic suppurative otitis media (CSOM) | Ms. Chandni Jain |
| 18 | PratibhaNagalakshmi N.G. | Comparison of coarticulation perception in individuals with hearing impairment and normal hearing individuals | Dr. AshaYathiraj |
| 19 | PreetiPandey | Comparison of adaptive multi-band directional microphones vs. fixed directional microphone in adults with binaural hearing aids | Mr. Sreeraj K. |
| 20 | Rashmi E. | Effect of degree of acquired cochlear hearing loss on ocular vestibular evoked myogenic potential | Dr. Niraj Kumar Singh |
| 21 | Sahana V. | Comparison of hearing aid acclimatization in older individuals using receiver in the canal (RIC) and behind the ear (BTE) instruments | Dr. Jijo P.M. |
| 22 | ShaliniBansal | Objective assessment of otoltith and SCCs functions I individuals with severe to profound hearing loss | Dr. Sujeet Kumar Sinha |
| 23 | Sindhu P. | Manipulation of hearing aid gain and tinnitus suppression: A paired comparison study | Dr. Hemanth N. |
| 24 | Sudhir Kumar | Speech perception and sub-cortical processing of speech in presence of noise in children with dyslexia | Dr. Prawin Kumar |
| 25 | Tina Hephzibah S. | Hearing and cochlear functioning in polycystic ovarian | Ms. Chandni Jain |
| 26 | Vandana B. | Hearing aid for tinnitus management: A comparison study of amplification strategies on audibility of tinnitus | Dr. Hemanth N. |
| 27 | Varun Singh | Relationship between P300 event related potential, tests of central auditory function and working memory in children with dyslexia | Dr. Prawin Kumar |
| 28 | Vidhya Suresh | Test retest reliability of speech evoked P300 | Dr. Ajith Kumar U. |
| 29 | Vindhyashree B.K | Auditory localization; Effects of sound location and spatial semantic processing in individuals with left-right orientation difficulty | Dr. AshaYathiraj |

1. **Research Paper Publications/ Presentations**
2. **Presented at National/International Conferences /Seminars**

**National:**

1. Niraj Kumar Singh, RajeshwariGovindaswamy, NirmalaJagdish (2016). Efficacy of VOR gain and refixation saccades sound on vHIT in identifying vestibular pathologies. Presented in Seminar on advances in assessment and management of vestibular and swallowing disorders held at Baby Memorial hospital on 29th and 30th May 2016
2. Niraj Kumar Singh, RajeshwariGovindaswamy, NirmalaJagdish (2016). Test re-test reliability of video head impulse test in healthy individuals and individuals with vestibular pathologies. Presented in Seminar on advances in assessment and management of vestibular and swallowing disorders held at Baby Memorial hospital on 29th and 30th May 2016

**International: NIL**

1. **Research Papers Published**

**In-house publications: NIL**

**National Publications:1**

* Devi N, Swathi C.S (2016). Effect of musical training on masking paradigm. Indian Journal of Otology; 22 (2), 85-91

**International Publications: 4**

1. Niraj Kumar Singh and Animesh Barman (2016). Frequency-Amplitude Ratio of Ocular Vestibular-Evoked Myogenic Potentials for Detecting Meniere’s Disease: A Preliminary Investigation. Ear and Hearing. Vol. 37, No. 3, 365-373.
2. Prabhu, P (2016). Subjective and Objective Estimate of Neural Fatigue in an Adult with Auditory Neuropathy Spectrum Disorder. Journal of Phonetics and Audiology. 2:117. doi:10.4172/jpay.1000117
3. Prabhu, P.&Shanthala, S.P. (2016). Efferent auditory system functioning and speech perception in noise in individuals with type II Diabetes mellitus. *Journal of Phonetics and Audiology,*2:116. doi: [10.4172/jpay.1000116](http://www.omicsonline.org/open-access/the-factors-affecting-the-perception-of-malayalam-time-compressed-speech-in-children-and-young-adults-jpay-1000116.php?aid=70891).
4. Niraj Kumar Singh, Sujeet Kumar Sinha and Animesh Barman (2016). Assessment of otolith mediated neural reflexes through cervical and ocular vestibular evoked myogenic potentials in individuals with auditory neuropathy spectrum disorders. Hearing, Balance and Communication, 2016, Vol. 14, No. 2, 77-90.
5. Papers published in conference / Seminar Proceedings-NIL

1. Books/Book chapters published-NIL
2. Books/Manuals/Seminar Proceedings edited-NIL
3. Scholarly Reviewing Activities

*Dr. Sujeet Kumar Sinha*

* Reviewer for Journal of American Academics of Audiology
* Reviewer for Journal of Indian Speech Language and Hearing Association

*Dr. Prawin Kumar*

Reviewer for South African Journal of communication Disorders

*Dr. Niraj Kumar Singh*

* Reviewer for British Journal of Applied science and Technology
* Reviewer for Journal of Otology

*Mr. PrashanthPrabhu*

* Reviewer- Journal of Pediatric Neurology and Medicine
* International Journal of Audiology

1. Journal Editorship -NIL

**CLINICAL SERVICES: GENERAL**

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| 1. **Hearing Evaluation**  |  |  | | --- | --- | | Clients seen in OPD | 1533 | | Clients seen at JC block | 1342 | | ***Ears with diff degrees of HL*** |  | | ·  Normal hearing | 428 | | ·  Minimal | 203 | | ·  Mild | 263 | | ·  Moderate | 408 | | ·  Moderately severe | 362 | | ·  Severe | 430 | | ·  Profound | 399 | | . Minimal to mild | 5 | | . Mild to moderate | 28 | | . Mod.to modtly severe | 21 | | . Modtly severe to sev. | 44 | | . Severe to profound | 88 | | . Moderate to severe | 5 | | . Sloping | 62 | | ***Ears tested having*** |  | | . Conductive hearing | 273 | | . Mixed hearing loss | 411 | | . SN hearing loss | 727 | | Clients with unil HL | 128 | | Clients with bil HL | 1064 | | Ears with Aud. Dys-synchrony | 11 | | Clients with APD | 0 | | Clients with Funl HL | 15 | | Clients - tinnitus evaln | 32 | | Clients for PTA | 1255 | | Clients for Sp.Aud | 1255 | | Clients for Immitt. evln | 1275 | | Clients for OAE | 331 | | Clients for ABR | 381 | | Clients for VEMP | 10 | | Clients for VHIT | 5 | | Clients for BOA | 64 | | Clients for VRA | 19 | | Clients for LLR | 3 | | 1. **Hearing Aid Trial**  |  |  | | --- | --- | | **Hearing Aid Trial** |  | | No. of clients seen for HAT | 932 | | HAs prescribed at AIISH | 688 | | . Body level hearing aids | 287 | | - ADIP | 287 | | * Purchased | 0 | | ·    Analogue BTE | 0 | | ·    Digital BTE | 358 | | ·    Trimmer Digital BTE | 0 | | ·    Digital ITE | 0 | | ·    Digital ITC | 5 | | ·    Digital CIC | 1 | | . Digital RIC | 36 | | No. of clients recommended | 155 | | ·    Auditory training | 125 | | ·    Speechreading | 30 | | HA prescribed on exchange | 8 | | Unaided/aided audiograms | 146 | | Aided VRA | 12 | | Programming of digital HA | 372 | | No. of IGO done | 1 | | EAC of hearing aids done | 6 | | Tretrial with CEM | 280 | | Recommended for ear plugs | 4 | | Unaided & aided LLR done | 0 | | REM | 8 |  1. **Counseling and Guidance**  |  |  | | --- | --- | | Total no. of counseled | **932** | | No. of clients counseled at AIISH | 932 | | No. of clients counseled at Camps | 0 | |

1. **Ear moulds**

|  |  |
| --- | --- |
| **Earmold lab** |  |
| Clients ear imprn. taken | 516 |
| * New clients | 266 |
| * Old clients | 250 |
| Ear impressions taken | 834 |
| * Free-of-cost | 257 |
| * 100% payment | 577 |
| EMs completed | 830 |
| No. Mould Lacquered | 40 |
| No. of sound tube issued | 141 |
| Hard regular moulds | 125 |
| Hard shell mould made | 0 |
| Soft mould made | 493 |
| Hard canal moulds | 0 |
| Soft canal moulds | 0 |
| ITC impression made | 10 |
| Swimmer plug (soft) | 20 |
| Swimmer plug (hard) | 0 |
| No. of ear blocked | 5 |
| EMs withaco. modificns. | 0 |
| Clients seen at camp | 88 |
| Ear imprn taken-camp | 153 |
| CPL impressions received | 6 |
| CPL moulds completed | 6 |
| Def. ear imp recd by CPL | 0 |

***State wise statistics Revenue***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **States** | **Statistics** |  | **Sl.No.** | **Details** | **Amount** |
|  | Andhra Pradesh | 1 |  |  | Spares | 8275/- |
|  | Karnataka | 485 |  |  | Post | 500/- |
|  | Kerala | 23 |  |  | Making ear moulds | 129450/- |
|  | Tamil Nadu | 3 |  |  |  |  |
|  | Telangana | 2 |  |  |  |  |
|  | Others | 2 |  |  |  |  |

1. **Age-wise statistics: Audiological disorders**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age**  **group**  **yrs.** | **Hearing**  **Evaluation** | | **Hearing Aid**  **Trial** | | **Ear moulds** | |
| **Male** | **Female** | **Male** | **Female** | **Male** | **Female** |
| 0-1 | 12 | 14 | 0 | 0 | 15 | 3 |
| 2-5 | 81 | 59 | 104 | 71 | 55 | 35 |
| 6-10 | 88 | 55 | 83 | 59 | 45 | 40 |
| 11-15 | 57 | 46 | 51 | 31 | 25 | 35 |
| 16-20 | 52 | 40 | 21 | 21 | 12 | 0 |
| 21-25 | 25 | 29 | 7 | 13 | 17 | 8 |
| 26-30 | 37 | 32 | 13 | 8 | 14 | 5 |
| 31-35 | 21 | 39 | 7 | 13 | 11 | 1 |
| 36-40 | 24 | 38 | 13 | 10 | 15 | 8 |
| 41-45 | 46 | 29 | 20 | 12 | 10 | 10 |
| 46-50 | 38 | 39 | 15 | 14 | 15 | 8 |
| 51-55 | 28 | 28 | 12 | 17 | 11 | 6 |
| 56-60 | 44 | 30 | 30 | 14 | 11 | 8 |
| 61-65 | 75 | 25 | 53 | 20 | 16 | 4 |
| 66-70 | 39 | 26 | 33 | 18 | 17 | 13 |
| 71-75 | 46 | 16 | 45 | 14 | 7 | 12 |
| 76-80 | 28 | 14 | 28 | 15 | 11 | 1 |
| 81-85 | 21 | 7 | 26 | 5 | 5 | 4 |
| 86-90 | 11 | 1 | 12 | 1 | 2 | 1 |
| 91-above | 2 | 0 | 3 | 0 | 0 | 0 |
| **Total** | 775 | 567 | 576 | 356 | 314 | 202 |
| **1342** | | **932** | | **516** | |

**CLINICAL SERVICES: SPECIALIZED**

1. **Implantable Hearing Devices Unit**

|  |  |
| --- | --- |
| **Implantable Hg. Devices Unit** |  |
| No. of cases seen | 19 |
| 1. Non-ADIP | 15 |
| 1. ADIP-CI | 4 |
| No. of switch on | 0 |
| 1. Non-ADIP | 0 |
| 1. ADIP-CI | 0 |
| No. of sessions | 21 |
| 1. Non-ADIP | 17 |
| 1. ADIP-CI | 4 |
|  |  |
| Mapping for CI | 17 |
| 1. Non-ADIP | 13 |
| 1. ADIP-CI | 4 |
| Aided audiograms for CI | 19 |
| Troubleshooting CI devices | 4 |
| 1. Non-ADIP | 4 |
| 1. ADIP-CI | 0 |
| Counselling for CI clients | 19 |
| 1. Non-ADIP | 17 |
| 1. ADIP-CI | 4 |
| BAHA tried | 0 |
| Candidacy for CI | 1 |
|  |  |

1. **Listening Training Unit**

|  |  |
| --- | --- |
| **Listening Training Unit** |  |
| Clients seen | 246 |
| Sessions taken | 861 |
| Clients for whom demo therapy given | 36 |
| New clients | 43 |
| Repeat clients | 203 |
| Clients discharged | 41 |
| Clients discontinued | 15 |
| Pre-school sessions attended | 00 |
| Clients given training in Hindi | 20 |
| Clients with CI trained | 34 |
| Sessions for clients with CI taken | 130 |
| Clients with tinnitus attended therapy | 6 |
| Sessions for clients with tinnitus | 28 |
| Clients with ANSD | 0 |
| Sessions for clients with ANSD | 0 |
| Clients with hyperacusis | 0 |
| Clients with CAPD | 0 |
| Sesseions forclientswith CAPD | 0 |
| Clients for speech reading | 0 |
| Clients for observn for session  HA fitting | 1 |

**Clinical Support Services**

***Certificates Issued***

|  |  |
| --- | --- |
| 1. **HEARING EVALUATION** |  |
| Financial aid (pension of GOK) | 95 |
| Admission to deaf school | 0 |
| Physically handicapped | 2 |
| Tax exemption | 0 |
| Education scholarship | 0 |
| Others | 0 |
| Certificate issued at camp | 0 |
| **Total** | **97** |
| 1. **HEARING AID TRIAL** |  |
| Driving licence | 0 |
| Financial Aid | 43 |
| CI | 0 |
| Others | 0 |
| **Total** | **43** |

**PUBLIC EDUCATION AND OUTREACH SERVICES**

1. **Communication Disorders Screening Camps (**Details such as **v**enue, Staff deputed, No. of clients seen, Assessment & Rehabilitation Details)

Camps organized under the project titled 'Survey of communication disorders by trained ASHA workers in the Districts of Mysore, Mandya and Chamarajanagara'

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Place** | **Staff** | **Details of the camp** | **No.** |
| 02.05.16 | PHC Kuderu | Staff-Mr. Kumaraswamy | **Ear impression** | |
| Cases attended | 34 |
| Impression taken | 63 |
| 09.05.16 | PHC Bilikere | Staff-Mr. Kumaraswamy | Cases attended | 22 |
| Impression taken | 31 |
| 16.05.16 | CHC Bilikere | Staff-Mr. Kumaraswamy | Cases attended | 32 |
| Impression taken | 59 |

1. **Other Outreach Services - NIL**
2. **Public lecture series -NIL**

**TECHNOLOGICAL CONSULTANCY SERVICES**

Mr. S.Rajapandian, an alumnus of AIISH and an audiologist from Hearing Solutions Private Ltd., Hyderabad was provided consultancy services to procure equipments for their company.

**AWARDS AND HONORS RECEIVED BY FACULTY AND STAFF-NIL**

Won best paper award in the National Seminar on advances in assessment and management of vestibular and swallowing disorders held at Baby Memorial hospital on 29th and 30th May 2016for :

Niraj Kumar Singh, Rajeshwari Govindaswamy, Nirmala Jagdish (2016). Test re-test reliability of video head impulse test in healthy individuals and individuals with vestibular pathologies. Presented in

**EXTRA CURRICULAR ACTIVITIES**

**MAJOR EVENTS-NIL**

( A brief note in not more than five sentences about each activity/event)

**VISITORS**

Shri.R.S.Negi, Under Secretary, Ministry of Health and Family Welfare, Government of India, New Delhi visited the department on 18.05.16

**ANY OTHER**

1. **Additional Services (Academic/Administrative) Rendered by the Faculty and Staff**

|  |  |
| --- | --- |
| *Name* | *Services* |
| Dr. AshaYathiraj | * Reporting officer for APAR of Dr. Sandeep M., Dr. Sujeet Kumar Sinha& Dr. Prawin Kumar * Reviewing officer for 21 staff of Audiology * Doctoral committee member of Ms. Devi N. on 03.05.16 * Incharge Director on 4th, 5thMay,2016 * Doctoral committee member and attended doctoral committee meeting of Mr. RakeshGatla. on 16.05.16 * Selection committee meeting for selection of Lecturer in Audiology (Puducherry)on 27.05.16 |
| Dr. P. Manjula | * Technical committee for framing of specification for procurement of trimmer digital hearing aids from CWF on 23.05.16 * Selection committee meeting for selection of Lecturer in Audiology (Puducherry)on 27.05.16 |
| Dr. Animesh Barman | * Doctoral committee member of Ms. Devi N. on 03.05.16 |
| Dr. Ajith Kumar U. | * Reporting officer for APAR of 21 staff of Audiology * Doctoral committee member of Ms. Devi N. on 03.05.16 * Doctoral committee member of Mr. RakeshGatla on 16.05.16 * Served as examiner for Viva voce ofr III B.Sc. students on 5th May 2016 * Nominated as member secretary for Internal Quality Assurance Cell w.e.f 27.05.16 |
| Dr. Sandeep M. | * Doctoral committee member of Ms. Devi N. on 03.05.16 * Chairperson of the Doctoral committee of Mr. RakeshGatla on 16.05.16 * Organized workshop on ‘Dissertation topic-identification process and designing of research methodologies’ for I M.Sc.students on 15.05.16. |
| Dr. Prawin Kumar | * Room superintendent for B.ASLP/B.Sc (Speech and hearing) and B.Ed.Spl.Ed. (HI) Integrated semester scheme examinations on 20th May 2016 |
| Dr. Niraj Kumar Singh | * Served as examiner forViva voce ofI B.Sc. students on 3rd May 2016 * Room superintendent for B.ASLP/B.Sc (Speech and hearing) and B.Ed.Spl.Ed. (HI) Integrated semester scheme examinations on 18th May 2016 |
| Dr. Devi N. | * Room superintendent for B.ASLP/B.Sc (Speech and hearing) and B.Ed.(Spl.Ed). (HI) Integrated semester scheme examinations on 26th May 2016 |
| Ms. Mamatha N.M. | * Member of scrutinizing all the applications received for the post of Lecturer in Audiology (JPMER-Puducherry) and Lecturer in Speech Sciences on 02.05.16 * Room superintendent for B.ASLP/B.Sc (Speech and hearing) and B.Ed.(Spl.Ed). (HI) Integrated semester scheme examinations on 18th May 2016 |
| Ms. Geetha C. | * Conducted Viva for II B.Sc students on 4th May 2016 * Room superintendent for B.ASLP/B.Sc (Speech and hearing) and B.Ed.Spl.Ed. (HI) Integrated semester scheme examinations on 20th May 2016 |
| Mr. Sreeraj K. | * Organized 5 guest lectures for M.Sc. Audiology students on 14.05.16 & 16.05.16 |
| Dr. Hemanth N. | * Made logistic arrangements for theviva voce ofB.Sc. students at the dept, from 3rd to 5th May 2016 * Room superintendent for B.ASLP/B.Sc (Speech and hearing) and B.Ed.Spl.Ed. (HI) Integrated semester scheme examinations on 24th May 2016 * Served as examiner for Viva voce of DECSE students |
| Dr. Jijo P.M. | * Room superintendent for B.ASLP/B.Sc (Speech and hearing) and B.Ed.Spl.Ed. (HI) Integrated semester scheme examinations on 24th May 2016 * Served as examiner forViva voce of B.Ed.Spl.Ed. (HI) students |
| Mr. Ganapathy M. K. | * Organized 5 guest lectures for M.Sc. Audiology students14.05.16 &16.05.16 * Room superintendent for B.ASLP/B.Sc (Speech and hearing) and B.Ed.Spl.Ed. (HI) Integrated semester scheme examinations on 23rd May 2016 |
| Mr. Jithin B. | * Provided consultancy services to Mr. S.Rajapandian, an alumnus of AIISH and an audiologist from Hearing Solutions Private Ltd., Hyderabad, to procure equipments for their company. |

1. **Official Language Implementation- NIL**
2. **Others-**

|  |  |
| --- | --- |
| RE-BE | Submitted on 26.05.16 |
| Audiologist Gr-II | In view of the relief of Ms. Suma Chatni, from the post of Audiologist grade II, a proposal was placed to re-fill the post. As discussed with the Director, the walk-in interview for the same willbe arranged shortly. |
| University of Southampton | University of Southampton under British council is conducting webinars for students on topics related to Audiology (speech and hearing) from June to August 2016. Dr. Ajith Kumar has corresponded on the details enquired by them. |
| Training for RIC moulds | Director has approved for providing training for RIC moulds to Ear mould staff. Attempts are being made by Ms. Devi to request Hearing aid companies to arrange for the same, |
| Video recording of Guest lecture | Interested staff who could not attend the guest lectures related to Audiology in Practice can borrow the video recorded tape from the concerned organizers. |
| Boards to be displayed | Approval for the display of boards in JC block stating ‘patients are responsible for their belongings’ and such other boards were sought from the Director. MrPrashanth to further coordinate the same. |
| C2 assessement | C2 assessment of first and second year M.Sc students |
| Clinical examination | Clinical examination of I B.ASLP, II B.Sc, III B.Sc |
| OLI | Outside- New Delhi-2, Nagpur-1, Mysr-1, Certificates-18, Hg aid revision of prices-16 |
| CCTV | CCTV installation has been completed in the JC block. However, the display of image is 5-6 minutes delayed and the same has been indicated in the installation report. The Director and the Administrative officer are also informed about it. |

Dr. Sandeep M. / QûÉä.xÉÇSÏmÉ.LqÉ.

HOD – Audiology/ ÌuÉpÉÉaÉÉkrÉ¤É-AÉäÌQûrÉÉåsÉeÉÏ