**DEPARTMENT OF AUDIOLOGY/** ऑडियोलॉजी विभाग

**MONTHLY REPORT FOR THE MONTH OF MARCH / मंत्ली रिपोर्ट फॉर थे मंत ऑफ मार्च**

1. **Monthly Statistics (From 1st to 31st March 2017 )**

**ACADEMIC ACTIVITIES/ शैक्षणिक गतिविधियों**

1. **Short-term Training / Orientation Programs organized-**

**Orientation-1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Theme / Topic** | **Target audience** | **Coordinators** | **No. of partic..** | **Date** |
|  | Orientation by representative from M/s. Arphi | Staff of Audiology | Dr. Sandeep M. &Mr. Sharth Kumar | 18 | 17.03.17 |

1. **In-house Training / Staff enrichment program –2**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Lecturer** | **Topic of lecture** | **No. of Participants** | **Date** |
|  | Mr. Ishu | Optical coherence tomography for diagnosis & evaluation of human oitis media | 29 | 01.03.17 |
|  | Mr. Anoop B.J | Predatory journals | 29 | 22.03.17 |

1. **Journal conference/Clinical Conference-3**

**Journal conference**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Theme / Topic** | **Guide** | **Date** |
|  | Translation and adaption of five English language self-report health measures to south Indian Kannada language. | Dr. Rajalakshmi K. | 09.03.17 |
|  | Importance of vHIT and its variations in diagnosis of acute and chronic vestibular disorder | Dr. Sujeet Kumar Sinha | 16.03.17 |
|  | Mehraei, Hickox, Bharadwaj, Goldberg, Verhulst, Liberman and Shinn-Cunningham (2016). Auditory Brainstem Response Latency in Noise as a Marker of Cochlear Synaptopathy, The Journal of Neuroscience 2016; 36 (13): 3755–3764 | Dr. Sandeep M. | 30.03.17 |

1. **Clinical Observation postings of students from other Institutes: 15**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Theme / Topic** | **Objectives** | **Target audience** | **Coordinators** | **No. of partic** | **Date** |
|  | HE, HAT–An overview & observation | Observation of hearing tests, procedures involved in hearing aid fitting | Dr. Vishnu V, JN Medical college, Belagavi | Dr. Rajalakshmi K.& Mr. Darga Baba | 1 | 13.03.17 |
|  | HE, HAT–An overview & observation | Observation of hearing tests, procedures involved in hearing aid fitting | DHLS students, Dr. RML hospital, Dehli Center | Dr. Rajalakshmi K.& Mr. Darga Baba | 14 | 20-24.03.17  |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Workshop/Seminar** | **Coordinator** | **Target audience** | **Participants** | **Date** |
| 1. | Workshop onEar mould technology | Dr. Devi N., Mr. Vivek A. | Students from Holy cross college, Tirchy  | 46 | 08 & 09.03.17 |

1. **Attended:**

**Within AIISH**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name** | **Title of the program** | **Venue** | **Date** |
|  | Mr. Sreeraj & Mr. Ganapathy | Virtual seminar on ‘Apps for tele-rehabilitation’ | Seminar hall, AIISH | 15.03.17 |
|  | Dr. AshaYathiraj, Dr. AnimeshBarman, Dr. Ajith Kumar, Dr. Sandeep M.,Mr. PrashanthPrabhu | ISO auditor training program | AIISH | 23 & 24 March 2017 |

**Outside AIISH**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Lecturer** | **Topic of lecture** | **Organizer** | **Date** |
|  | Ms. Nisha K.V., JRF | Research data analysis using SPSS and R | University of Mysore | 28th Feb 2017 to 8th Mar 2017 |

1. **Guest lectures/Invited talks**
2. **Attended-NIL**
3. **Organised- NIL**
4. **Invited talks delivered by the Staff**
5. **Within AIISH:**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Lecturer** | **Title of the program** | **Topic of lecture** | **Date** |
|  | Dr. Devi N., Lecturer in Audiology | Ear Mould Technology workshop | * Introduction on ear moulds and its different styles; Materials used in ear mould making
* Need for Acoustics modification of ear moulds
* Acoustic modifications in ear mould
 | 08-09.03.17 |
|  | Mr. Vivek A.,  | Ear Mould Technology workshop | * Precautions for ear impression and flowing technique
* soft mould processing procedure (including UV method)
* Hard mould and soft mould processing procedure
 | 08-09.03.17 |
|  | Mr.Jayaram. M. T, Mr.Kumaraswamy G.K. &Mr.Dilip Kumar | Ear Mould Technology workshop | * Hard mould processing procedure
* Hard mould and soft mould processing procedure
 | 08-09.03.17 |
|  | Mr Sudarshan B | Ear Mould Technology workshop | Ear impression technique  | 08-09.03.17 |
|  | Mr. Jithinraj B., Clinical Staff | Ear Mould Technology workshop | Practical demonstration on real ear insertion gain measurements and electroacoustic characteristics of hearing aids | 08-09.03.17 |
|  | Dr. Devi N. | Tele-orientation | Speech reading training for adults with HI | 31.03.17 |

1. **Outside AIISH: 14**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Lecturer** | **Topic of lecture** | **Organizer** | **Date** |
|  | Dr. Manjula P., Professor of Audiology | Pediatric hearing instrument fitting  | AUDISHCON 2017, Dr. S.R. Chandrashekar Institute of Speech & Hearing, Bengaluru | 10.03.2017 |

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

|  |  |
| --- | --- |
| Dr. AshaYathiraj | * Was in a committee to fill up the post of Audiologist at DDRC, Mysore
* Served as expert member on Doctoral committee held on 18.03.17 at JSS Institute of speech and hearing, Mysuru
 |
| Dr. Rajalakshmi K. | * Served as BOS member External examiner at Holy Cross college on 27th& 28th Mar 2017
 |
| Dr. Devi N. | * Examiner-Bangalore university
 |
| Dr. Geetha C. | * Examiner at Bharatiyavidyapeeth, Pune
* Examiner at Samvaad institute of speech and hearing, Banglaore
 |
| Mr. Sreeraj K. | * Examiner-Bangalore university
 |

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

**RESEARCH ACTIVITIES/** अनुसंधान गतिविधियाँ

1. **Funded Research Projects:**
2. **Completed Projects: Intra-mural- 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1. | 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 | Dr. Prawin KumarMr. Niraj Kumar & Mr. Ganapathy M. K. | ARF(Initial report submitted) | 4.33 |

1. **Completed Projects: Extramural Projects -1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Title** | **Objectives** | **Investigators** | **Funding source** | **Amount** |
|  | Comparison of simple reaction time and P300 measures as potential indicators of cognitive linguistic processing | To measure and compare choice reaction time, P300 (syllables) & N400 (word pair) across age | Dr. Manjula R. & Dr. Manjula P. | DST | 6.38 |

1. **New research project initiated: Intra-mural- NIL**
2. **New research project initiated: Extramural-1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Title of the Project** | **Investigator** | **Founding source** | **Amount** |
| 1. | fMRI & ERP evidence for improvement in Audio-visual integration in individuals with ANSD post speech reading training | Dr. Rajalakshmi K. | DST | 35.29 |

1. **Ongoing research project: Intra-mural - 14**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Title** | **Objectives** | **Investigators** | **Funding source** | **Grant amount** `(In lakhs) |
|  | 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 | Dr. Ajith Kumar UDr. Santosh M. | ARF | 4.33 |
|  | 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 | Dr. Sandeep M.Ms. Chandni Jain | ARF | 4.82 |
|  | 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 | Mr. Kishore TanniruDr.AnimeshBarman | ARF | 4.33 |
|  | 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 | Ms. Chandni JainMr. Vikas M.D.  | ARF | 4.38 |
|  | Bithermal Caloric Test and Video Impulse Test for the Assessment of Unilateral Vestibular Pathologies | To identify association between pithermal and video | Mr. Niraj Kumar SinghDr. Rajashwari G. | ARF | 4.33 |
|  | 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 | Mr. Sreeraj K.Ms. Suma Chatni | ARF | 6.70 |
|  | 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 | Dr.Rajalakshmi K.Dr. RamadeviSreenivasMs. Mamatha N.M.,  | ARF | 4.33 |
|  | 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. | Ms. Geetha C.Dr. Hemanth N. | ARF | 4.33 |
|  | 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 | Dr. Manjula P.Ms. Megha | ARF | 4.33 |
|  | Development of hearing aid simulator | To develop a hearing aid simulator | Sujeet Kumar SinhaDr.Animesh Barman Dr. D.S. Guru, Dr. VijayakumarNarne | ARF | 2.15 |
|  | 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. | Dr.Animesh BarmanPrashanthPrabhu, Dr. VijayakumarNarneDr. Niraj Kumar Singh | ARF | 5.92 |
|  | 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. | ARF | 3.16 |
|  | 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 KumarDr. Niraj Kumar Singh | ARF | 8.10 |
|  | 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. JayashreeShanbalDr. VijayakumaraNarne | ARF | 8.10 |
|  | Effect of Spatial Noise on Speech Identification | To determine the influence of noise similar to ‘R-SPACE’TM noise in speech identification | Dr. AshaYathiraj | ARF | 4.93 |
|  | Exploring Real World Aid Usage and Outcome: Current Indian Scenario | To acquire better insights into the aspects related to real world hearing aid outcome through focus group discussion and semi structured interview comparing with hearing aid usage | Dr. Manjula P. | ARF | 4.93 |
|  | Normative Data for click rate induced facilitation for assessing temporal intergration | Establishing normative for click rate induced facilitation in individuals with normal hearing and to test the same in individuals diagnosed with CAPD  | Dr. K.Rajalakshmi | ARF | 4.93 |
|  | Audiological and vestibular assessment in persons with osteoporosis and osteopenia |  | Dr. Prawin Kumar | ARF |  |
|  | Effect of Cochlear implantation and surgery technique on cervical vestibular evoked myogenic potential |  | Mr. SachchidanandSinhaDr. Niraj Kumar Singh | ARF |  |
|  | Impact of acoustic stimuli used for various measures of VEMP on the auditory system | The present study aimed at evaluating the effect of VEMP eliciting stimulus on functioning of cochlea | Dr. Niraj Kumar Singh | ARF | 15.04 |
|  | Contributory Factors of Hearing Handicap in individuals with Sensorineural hearing loss and auditory neuropathy spectrum Disorder (ANSD) | To compare scores of ‘Hearing Handicap Inventory for Adults’ between individuals withSNHL and ANSD. | Dr. Jjio P.M., Dr. Hemanth N., Dr. Ajith Kumar U. | ARF | 4.93 |
|  | Development of Auditory based Application software for Tinnitus treatement |  | Sr. Hemanth N. | ARF |  |
|  | Development of low frequency range word lists in Malayalam | To determine the speech identification scores in individuals with predominantly low frequency hearing loss | Mr. PrashanthPrabhu | ARF | 4.93 |

1. **Ongoing research project:Extramural-NIL**
2. **Doctoral and Post-Doctoral Programs**
3. **Degree Awarded:NIL**
4. **Open Viva: NIL**
5. **Thesis Submitted: NIL**
6. **Under Progress: 27**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Name** | **Topic** | **Guide** |
|  | 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 |
|  | 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 |
|  | Vikas M.D. | Yet to be decided | Dr. Manjula P. |
|  | Anoop | Yet to be decided | Dr. Ajith Kumar U. |
|  | ShubhaTak | Yet to be decided | Dr. AshaYathiraj |
|  | Shreyaank | Yet to be decided | Dr. AshaYathiraj |

1. **PG Dissertations**
2. **Completed : NIL**
3. **Under progress: 36**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Name of the candidate** | **Title of the dissertation research proposal** | **Guide** |
| 01 | Abhijit | Evaluation of digital hearing aids with wireless synchronization in older adults | Ms. Geetha C. |
| 02 | Anoopa | Reasons for use and non-use of hearing aids | Dr. Manjula P. |
| 03 | Anuj Kumar | Correlation between vhit and caloric test in individual with auditory neuropathy spectrum disorder | Dr. Sujeet Kumar Sinha |
| 04 | Chaitra M.C. | Profiles of challenging listening situations experienced by people with hearing loss: effects of socioeconomic background | Dr. Rajalakshmi K. |
| 05 | Devamma V. | Comparison of directional microphone and digital noise reduction algorithms in binaural hearing aid users | Dr. N. Devi |
| 06 | Jasiya | Vestibular evoked myogenic potentials and video head impulse test in auditory neuropathy spectrum disorder | Dr. Niraj Kumar Singh |
| 07 | Jeena T.K. | Binaural interaction component, binaural fusion test and making level difference in children at risk of central auditory processing disorder | Dr. Prawin Kumar |
| 08 | Keerthi S P | Working memory and low redundancy speech perception in the normal ear of individuals with unilateral hearing loss | Dr. Jijo P.M. |
| 09 | Kirti Joshi | Impact of hearing aid use on vestibule-ocularreflex and body balance | Dr. Niraj Kumar Singh |
| 10 | Krithika G | Brainstem encoding of speech and corticofugal modulation in children with specific language impairment | Dr. Sujeet Kumar Sinha |
| 11 | Lavanya | Relationship between speech perception in noise and working memory in individuals with normal hearing | Dr. Ajith Kumar U. |
| 12 | ManishaSahu | Brainstem encoding of speech sound in individuals who practice meditation | Dr. Sujeet Kumar Sinha |
| 13 | Meenu A.V. | Effect of short-term exposure to below damage risk criteria noise on temporal processing and speech perception | Dr. Sandeep M. |
| 14 | Meghana N. | Effect of pranayama in the management of tinnitus | Ms. Mamatha N. M. |
| 15 | Nainitha K.K. | Acoustic change complex as an objective gap detection test in elderly individuals | Mr. Ganapathy M.K. |
| 16 | NakhwaSonal | Development and evaluation of high frequency speech identification test in Indian-English for children | Dr. AshaYathiraj |
| 17 | Naveen C.P. | Influence of number of frequency bands on perception of Kannada chimeric sentences and words | Dr. Devi N. |
| 18 | Nayana M. | Psychoacoustic abilities of normal ear of listeners with unilateral hearing loss | Dr. Jijo P.M. |
| 19 | Pavana M | Effect of frequency transposit on learning of artificial speech in normal hearing individuals | Dr. Ajith Kumar U. |
| 20 | Preethi M | Effect of intensity, repetition rate and stimulus type on spectrum of auditory brain stem response | Dr. Animesh Barman |
| 21 | Priya K P | Early speech perception test for Kannada speaking children | Dr. AshaYathiraj |
| 22 | Rajith B N | Click-rate induced facilitation of acoustic reflex in children with sensory neural hearing loss | Dr. Rajalakshmi K. |
| 23 | Robina A | Acceptable noise level: effect of background language and number of speakers in Kannada speaking older adults with hearing impairment | Ms. Geetha C. |
| 24 | Sanjeev M R | Effect of noise on the sentence identification test in Kannada in individuals with hearing loss | Ms. Geetha C. |
| 25 | Sanakalpa M | Comparison of children at risk for auditory processing disorder between urban and rural schools | Dr. AshaYathiraj |
| 26 | Shamantha M | Comparison of channel-free and multi channel hearing aids on performance in individuals with sensorineural hearing loss | Dr. P. Manjula |
| 27 | Shanthala S P | Test retests reliability of video head impulse test in healthy individuals. | Dr. Niraj Kumar Singh |
| 28 | ShashankNema | Linguistic masking release in juveniles and adults-an Indian language perspective | Dr. Animesh Barman |
| 29 | Shivaprasad S Beelagi | Outcomes of hearing aid and challenging situations in listening: a cross sectional study across rural and urban units | Dr. Rajalakshmi K. |
| 30 | Shubhaganga D | Effect of Bluetooth technology in hearing aids on recognition of naturally rate altered speech | Dr. Hemanth N. |
| 31 | Sneha P. | Objective and subjective measures of localization and spatial perception in hearing impaired adults | Mr. Ganapathy. M.K. |
| 32 | Sreelakshmi H D | Cochlear functioning in individuals with sensorineural hearing loss with and without tinnitus | Mr. Sreeraj K. |
| 33 | SrikanthNayak | Relationship between temporal processing, attention | Dr. Prawin Kumar |
| 34 | Swathy B L | Threshold estimation using multi-frequency abr in infants | Dr. Sandeep M. |
| 35 | Tejaswini S | Assessing localization ability from individuals with hearing impairment: a study on simulated traffic environment | Dr. Hemanth N. |
| 36 | Usha Rani S | Music evoked p300 in individuals with and without musical abilities | Dr. Devi N. |

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

**National: NIL**

 **International: NIL**

1. **Research Papers Published**

**In-house publications: NIL**

**NationalPublications: NIL**

**International Publications: 5**

1. **Prabhu, P.**&Jyothi, S.(2016). Audiological findings from an adult with thin cochlear nerves**.** *Intractable and Rare Diseases Research, 6(1)*: 72-75. DOI: 10.5582/irdr.2016.01081..
2. **Barman, A., Prabhu, P.,**Narne, V K., **Singh, N K.**& Spoorthi, T. (2017). Low frequency bi-syllabic wordlists in a South-Indian language, Kannada: development, standardization and validation. *Hearing, Balance & Communication, 15(1),* 38-47.
3. **Barman, A., Prabhu, P.,**Narne, V.K., Thammaiah, S., **Singh, N.K.** & Gupta, M. (2017). Development and standardization of auditory low-frequency word lists in Hindi.*Journal of Hearing Science, 6(4):* 39-49. 10.17430/899781
4. **Sharath Kumar K.S., Manjula P. (2017)**. Effect of Noise Type and Signal-to-Noise Ratio on the Effectiveness of Noise Reduction Algorithm in Hearing Aids: An Acoustical Perspective. Global Journal of Otolaryngology 2017; 5 (2): 555658. DOT-10.19080/GJO.2017.05.555658
5. **Sharath Kumar K.S., Manjula P. (2017).** Effect of Varied Gradation Levels of Noise Reduction Algorithm on Speech Perception through Acoustical and Perceptual Measures. Global Journal of Otolaryngology 2017; 5 (2): 555659. DOT-10.19080/GJO.2017.05.555659
6. Papers published in conference / Seminar Proceedings-
7. Books/Book chapters published- NIL
8. Books/Manuals/Seminar Proceedings edited-NIL
9. Scholarly Reviewing Activities-

|  |  |
| --- | --- |
| Mr. Ganapathy | * Gerontology and Geriatric Medicine
 |
| Dr. Sujeet Kumar Sinha | * International Archives of Otorhinolaryngology
 |
| Mr. PrashanthPrabhu | * Journal of Otology
* Journal of Indian Speech and Hearing Association
 |

1. Journal Editorship

***Dr. AshaYathiraj***

Associate Editor (Hearing)-JAIISH

***Dr. Sandeep M***

Managing Editor-JAIISH

***Dr. Prawin Kumar***

Editor-JISHA

***Mr. Prashanth Prabhu***

Editorial panel member of an International Journal titled "EC Neurology"

**CLINICAL SERVICES: GENERAL/** नैदानिक ​​सेवाओं :आम

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| 1. **Hearing Evaluation**

|  |  |
| --- | --- |
| Clients seen in OPD | 1242 |
| Clients seen at JC block | 1131 |
| ***Ears with diff degrees of HL***  |  |
| ·  Normal hearing | 482 |
| ·  Minimal | 163 |
| ·  Mild | 249 |
| ·  Moderate | 370 |
| ·  Moderately severe | 314 |
| ·  Severe | 321 |
| ·  Profound | 253 |
| . Minimal to mild | 2 |
| . Mild to moderate | 30 |
| . Mod.to modtly severe | 14 |
| . Modtly severe to sev. | 29 |
| . Severe to profound | 74 |
| . Moderate to severe | 5 |
| . Sloping | 54 |
| ***Ears tested having***  |  |
| . Conductive hearing       | 254 |
| . Mixed hearing loss | 370 |
| . SN hearing loss | 598 |
| Clients with unil HL  | 142 |
| Clients with bil HL | 841 |
| Ears with Aud. Dys-synchrony | 10 |
| Clients with APD | 3 |
| Clients with Funl HL | 15 |
| Clients - tinnitus evaln | 29 |
| Clients for PTA  | 1080 |
| Clients for Sp.Aud | 1084 |
| Clients for Immitt. evln | 1113 |
| Clients for OAE  | 275 |
| Clients for ABR  | 322 |
| Clients for VEMP  | 2 |
| Clients for VHIT | 1 |
| Clients for BOA  | 57 |
| Clients for VRA  | 16 |
| Clients for LLR | 0 |

 | 1. **Hearing Aid Trial**

|  |  |
| --- | --- |
| **Hearing Aid Trial** |  |
| No. of clients seen for HAT | 488 |
| HAs prescribed at AIISH | 288 |
| Body level hearing aids | 54 |
|  - ADIP | 0 |
| * Purchased
 | 54 |
| ·    Analogue BTE | 178 |
| ·    Digital BTE | 0 |
| ·    Trimmer Digital BTE | 0 |
| ·    Digital ITE | 0 |
| ·    Digital ITC | 4 |
| ·    Digital CIC | 2 |
| . Digital RIC | 50 |
| No. of clients recommended  | 91 |
| ·    Auditory training  | 80 |
| ·    Speechreading | 11 |
| HA prescribed on exchange | 0 |
| Unaided/aided audiograms | 9 |
| Aided VRA  | 5 |
| Programming of digital HA | 158 |
| No. of IGO done | 0 |
| EAC of hearing aids done | 3 |
| Tretrial with CEM | 128 |
| Recommended for ear plugs | 1 |
| Unaided & aided LLR done | 0 |

1. **Counseling and Guidance**

|  |  |
| --- | --- |
| Total no. of counseled  | **285** |
| No. of clients counseled at AIISH | 285 |
| No. of clients counseled at Camps | 0 |

 |

1. **Ear moulds**

|  |
| --- |
| **Earmold lab** |
| Clients ear imprn. taken | 291 |
| * New clients
 | 158 |
| * Old clients
 | 133 |
| Ear impressions taken | 583 |
| * Free-of-cost
 | 105 |
| * 100% payment
 | 374 |
| * At camp
 | 104 |
| * CPL impressions received
 | 0 |
| EMs completed | 580 |
| No. Mould Lacquered | 69 |
| No. of sound tube issued | 98 |
| Hard regular moulds | 20 |
| Hard shell mould made | 0 |
| Soft mould made | 281 |
| Hard canal moulds | 0 |
| Soft canal moulds | 3 |
| ITC impression made | 0 |
| Swimmer plug (soft)  | 2 |
| Swimmer plug (hard)  | 0 |
| No. of ear blocked  | 6 |
| EMs with aco. modificns. | 0 |
| Clients seen at camp | 98 |
| CPL moulds completed | 0 |
| Def. ear imp recd by CPL | 0 |

 ***State wise statistics Revenue***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **States** | **Statistics** |  | **Sl.No.** | **Details** | **Amount** |
|  | Andhra Pradesh | 4 |  |  | Spares | 5450 |
|  | Karnataka | 250 |  |  | Post | 275 |
|  | Kerala | 24 |  |  | Making ear moulds | 71750 |
|  | Tamil Nadu | 3 |  |  |  |  |
|  | Telangana | 4 |  |  |  |  |
|  | Others | 6 |  |  |  |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Age****group****yrs.** | **Hearing****Evaluation** | **Hearing Aid****Trial** | **Ear moulds** |
| **Male** | **Female** | **Male** | **Female** | **Male** | **Female** |
| 0-1 | 13 | 3 | 1 | 0 | 8 | 2 |
| 2-5 | 81 | 47 | 74 | 61 | 40 | 43 |
| 6-10 | 34 | 29  | 28 | 18 | 36 | 20 |
| 11-15 | 16 | 15 | 9 | 9 | 8 | 11 |
| 16-20 | 24 | 16 | 6 | 6 | 3 | 3 |
| 21-25 | 45 | 25 | 8 | 6 | 3 | 5 |
| 26-30 | 47 | 38 | 5 | 4 | 6 | 3 |
| 31-35 | 56 | 37 | 6 | 3 | 0 | 5 |
| 36-40 | 34 | 23 | 4 | 1 | 0 | 8 |
| 41-45 | 42 | 27 | 8 | 4 | 2 | 2 |
| 46-50 | 40 | 32 | 10 | 5 | 3 | 3 |
| 51-55 | 32 | 20 | 7 | 9 | 3 | 8 |
| 56-60 | 42 | 33 | 17 | 14 | 10 | 4 |
| 61-65 | 49 | 33 | 24 | 14 | 8 | 3 |
| 66-70 | 40 | 20 | 22 | 11 | 8 | 6 |
| 71-75 | 44 | 18 | 31 | 14 | 6 | 6 |
| 76-80 | 29 | 12 | 26 | 8 | 6 | 5 |
| 81-85 | 11 | 10 | 3 | 5 | 1 | 1 |
| 86-90 | 7 | 3 | 6 | 1 | 2 | 0 |
| 91+ | 3 | 1 | 0 | 0 | 0 | 0 |
| **Total** | 689 | 442 | 295 | 193 | 153 | 138 |
| **1131** | **488** | **291** |

**CLINICAL SERVICES: SPECIALIZED/** नैदानिक ​​सेवाओं :विशेष

1. **Implantable Hearing Devices Unit**

|  |
| --- |
| **Implantable Hg. Devices Unit** |
| No. of cases seen | 7 |
| 1. Non-ADIP
 | 4 |
| 1. ADIP-CI
 | 3 |
| No. of switch on | 2 |
| 1. Non-ADIP
 | 0 |
| 1. ADIP-CI
 | 2 |
| No. of sessions | 11 |
| 1. Non-ADIP
 | 6 |
| 1. ADIP-CI
 | 5 |
|  |  |
| Mapping for CI | 9 |
| 1. Non-ADIP
 | 4 |
| 1. ADIP-CI
 | 5 |
| Aided audiograms for CI | 9 |
| Troubleshooting CI devices | 2 |
| 1. Non-ADIP
 | 2 |
| 1. ADIP-CI
 | 0 |
| Counselling for CI clients | 11 |
| 1. Non-ADIP
 | 6 |
| 1. ADIP-CI
 | 5 |
| BAHA trial | 0 |
| Candidacy for CI | 5 |
|  |  |

1. **Listening Training Unit**

|  |  |
| --- | --- |
| **Listening Training Unit** |  |
| Clients seen  | 332 |
| Sessions taken | 1373 |
| Clients for whom demo therapy given | 17 |
| New clients | 91 |
| Repeat clients | 241 |
| Clients discharged | 4 |
| Clients discontinued | 1 |
| Pre-school sessions attended | 0 |
| Clients given training in Hindi  | 36 |
| Clients with CI trained | 26 |
| Sessions for clients with CI taken | 96 |
| Clients with tinnitus attended therapy | 3 |
| Sessions for clients with tinnitus | 5 |
| Clients with ANSD | 0 |
| Sessions for clients with ANSD | 0 |
| Clients with hyperacusis | 0 |
| Clients with CAPD | 2 |
| Sesseionsforclientswith CAPD | 5 |
| Clients for speech reading | 0 |
| Clients for observn for HAT | 0 |

**Clinical Support Services/** नैदानिक ​​समर्थनसेवाएं

***Certificates Issued***

|  |  |
| --- | --- |
| 1. **HEARING EVALUATION**
 |  |
| Financial aid (pension of GOK) | 119 |
| Admission to deaf school  | 0 |
| Physically handicapped | 0 |
| Tax exemption | 0 |
| Education scholarship | 0 |
| Others | 0 |
| Certificate issued at camp | 0 |
| **Total** | **119** |
| 1. **HEARING AID TRIAL**
 |  |
| Driving licence | 4 |
| Financial Aid  | 4 |
| CI | 4 |
| Others | 0 |
| **Total** | **12** |

**PUBLIC EDUCATION AND OUTREACH SERVICES/**

सार्वजनिक शिक्षा और आउटरीच सेवाएं

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Date** | **Place** | **Staff** | **Details of the camp** | **No.** |
| 10.03.17 | Bellale,PandavapuraTaluk | Staff- Mr. Jithin, Mr. Kumaraswamy,  | Total No. of cases seen  | 45 |
| Total Hearing Aid prescribed  | 37 |
| No. of cases referred to AIISH | 3 |
| Cases who can manage without hearing aid | 5 |
| No. of certificates issued | 0 |
| **Ear impression** |  |
| Cases attended | 34 |
| Impression taken | 36 |
| 17.03.17 | Bellale,PandavapuraTaluk | Staff- Ms. Jyothi S., Mr. Jayaram T.  | Total No. of cases seen  | 39 |
| Total Hearing Aid prescribed  | 33 |
| No. of cases referred to AIISH | 1 |
| Cases who can manage without hearing aid | 2 |
| No. of certificates issued | 0 |
| **Ear impression** |  |
| Cases attended | 26 |
| Impression taken | 29 |
| 24.03.17 | Hirekyathanahalli, HunsurTaluk | Mr. Darga Baba\Mr. Dilip Kumar | Total No. of cases seen  | 45 |
| Total Hearing Aid prescribed  | 43 |
| No. of cases referred to AIISH | 0 |
| Cases who can manage without hearing aid | 2 |
| No. of certificates issued | 0 |
| **Ear impression** |  |
| Cases attended | 38 |
| Impression taken | 39 |
| 26th& 27th Mar 2017 | NSS camp held at Sargur, HD Kotetaluk | Staff- Mr. SharathMr. Vivek A.  | Total No. of cases seen  | 124 |
| Total Hearing Aid prescribed  | 107 |
| No. of cases referred to AIISH | 4 |
| Cases who can manage without hearing aid | 14 |
| No. of certificates issued | 82 |
| **Ear impression** |  |
| Cases attended | 83 |
| Impression taken | 152 |

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

Public lecture by Dr. Devi N.,,Lecturer in Audiology on the topic ‘Classroom modifications for children with hearing impairment’on 25.03.17

**TECHNOLOGICAL CONSULTANCY SERVICES/** तकनीकी परामर्श सेवाएं**-NIL**

**AWARDS AND HONORS/** पुरस्कार और सम्मान **Received by Faculty and Staff-NIL**

**EXTRA CURRICULAR ACTIVITIES/** पाठ्येतरगति विधियां**-NIL**

**MAJOR EVENTS/** प्रमुख ईवेंट**- NIL**

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

**VISITORS/** आगंतुकों-

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl.No.** | **Visitors** | **No. of visitors** | **Date** |
|  | ASHA workers of Chamarajanagar | 33 | 03.03.17 |
|  | Director and representative of Inventis company | 2 | 16.03.17 |
|  | Students from Madras Medical College | 39 | 20.03.17 |
|  | DHLS students from Delhi | 14 | 20.03.17 |
|  | Dr. Camfort, Director of Chirofractic, UK | 1 | 28.03.17 |
|  | Kanoor university | 16 | 30.03.17 |

**ANY OTHER/** कोई दूसरा

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

|  |  |
| --- | --- |
| Dr. AshaYathiraj | * Member of Doctoral committee on 20.03.17
 |
| Dr. Manjula P. | * Standing purchase committee chairperson,
* First Appellate Authority under RTI Act at AIISH
* Attended CWF meeting held on 14.03.17
* Member of Doctoral committee on 20.03.17
 |
| Dr. Animesh Barman | * Member of Doctoral committee on 20.03.17
 |
| Dr. Sandeep M. | * Member of Doctoral committee on 20.03.17
* Attended CWF meeting held on 14.03.17
* Attended two meetings of the selection committee for the post of clinical assistant
* Attended ISO internal auditor training scheduled on 23 & 24 Mar 17
 |
| Dr, Ajith Kumar U. | * Member of Doctoral committee on 20.03.17
* Attended ISO internal auditor training scheduled on 23 & 24 Mar 17
 |
| Dr. Sujeet Kumar Sinha | * Deputed for NSS camp as NSS programme officer from 22.03.17 to 28.03.17
* Nominated as chairperson for stock verification of Academic & knowledge park
* Nominated as deputy chief superintendent to conduct entrance examination for admission to B.ASLP/M.Sc (Aud)/M.Sc (SLP) and M.Ed. Spl. Edn. (HI) programmes at Kolkata
 |
| Dr. Prawin Kumar | * Nominated as Chairperson for stock verification of Clinical services and teaching aids
 |
| Dr. Devi N. | * Member Secretary, State management & program coordination committee for AIISH Aawaz 2017
* Nominated as member secretary for stock verification of clinical psychology and garden equipments
 |
| Ms. Mamatha N.M. | * Nominated as Member Secretary for stock verification of guest house and ladies hostel
 |
| Dr. Chandni jain | * Examiner –Mysore university
* Nominated as chairperson for stock verification of guest house and ladies hostel
 |
| Dr. Geetha C. | * Nominated as chairperson for stock verification of Admin Block, Project equipment, sports/gymkhana
* Nominated as member secretary for stock verification of ENT and library
 |
| Mr. Sreeraj K. | * Chairperson, Sponsorship for AIISH Aawaz 2017
* Examiner-Mysore university
* Nominated as chairperson for stock verification of gents hostel & international guest house
 |
| Mr. Prashanth Prabhu | * Attended NSS camp as NSS programme officer on 22.03.17
* Attended ISO auditor training program on 23 & 24 March 2017
* Nominated as member for stock verification of Electronics, canteen
* Nominated as deputy chief superintendent to conduct entrance examination for admission to B.ASLP/M.Sc (Aud)/M.Sc (SLP) and M.Ed. Spl. Edn. (HI) programmes at Jabalpur
 |
| Mr. Darga Baba | * Nominated as member for stock verification of Clinical services and teaching aids
 |
| Mr. Sharath Kumar | * Member Secretary, Sponsorship for AIISH Aawaz 2017
* Nominated as member for stock verification of Clinical services and teaching aids
 |
| Mr. Arunraj | * Chairperson, Stalls for AIISH Aawaz 2017
* Nominated as member for stock verification of Admin Block, Project equipment, sports/gymkhana
 |
| Mr. Jithinraj B. | * Nominated as member secretary for stock verification of gents hostel and international guest house
 |
| Ms. Megha | * Nominated as member for stock verification of SLP. TCPD, camp unit
 |
| Mr. Vikas M.D. | * Member Secretary, Stalls for AIISH Aawaz 2017
 |
| Ms. Jyothi | * Member, Registration committee for AIISH Aawaz 2017
 |
| Mr. Vivek A. | * Nominated as member for stock verification of SLS, POCD, DHLS
 |
| Mr. Srikar V | * Member Secretary, Registration committee for AIISH Aawaz 2017
 |

1. **Others-**

|  |  |
| --- | --- |
| **Feedback** | Feed back from clients-March : 41Very Good-24, Good-12, Satisfactory-2, Not-Satisfactory: 3 |
| **Clinical Charges** | The rates of clinical charges were increased by 25%, the implementation of the same shall be with effect from 01.04.17 |
| **Appoinments/renewal/resignation** | Mr. Dileep Kumar was relieved on 20.02.17 and Joined on 03.03.17Dr. Jijo P.M., Lecturer in Audiology resigned  |