ऑडियोलॉजी विभाग **/DEPARTMENT OF AUDIOLOGY**

**मंत्ली रिपोर्ट / MONTHLY REPORT**

***FOR THE MONTH OF DECEMBER 2017***

**Monthly Statistics (From 1st to 31st December 2017)**

**ACADEMIC ACTIVITIES/ शैक्षणिक गतिविधियों**

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

**Orientation**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Theme / Topic** | **Coordinator** | **Target audience** | **No. of participants** | **Date** |
| Orientation on the recent products being distributed by M/s. Amplifon India | Dr. Ramadevi | Staff of Audiology | 11 | 14.12.17 |

1. **In-house Training / Staff enrichment program – 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Resource Person** | **Topic of lecture** | **No. of Participants** | **Date** |
|  | Dr. Ajith Kumar U., Professor of Audiology | International Collaborations | 21 | 06.12.17 |
|  | Mr. Shreyank P. Swamy, JRF | Brief overview of Amblyaudia | 30 | 20.12.17 |
|  | Mr. Prashanth S.S., Software Engineer | Digitization of departmental administrative acitivity | 16 | 28.12.17 |

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

**Clinical Conference**

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| --- | --- | --- | --- |
| **Sl. No** | **Topic** | **Guide** | **Schedule** |
|  | Sensitivity of various audiological tests for differentiating sensori versus neural pathologies | Dr. Animesh Barman | 07.12.17 |
|  | Bilateral Moderate Sensorineural hearing loss with Tinnitus | Dr. Hemanth N. | 21.12.17 |
|  | Role of Audiologist as an expert witness in medico-legal cases | Mr. Prashanth Prabhu& Dr. Sharath K.S. | 28.12.17 |

1. **Clinical Observation postings of students from other Institutes: 5**

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| --- | --- | --- | --- | --- | --- | --- |
| **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. Manali Bhat, JNMC, Belgavi | Dr. Rajalakshmi K.& Mr. Darga Baba | 1 | 14.12.17 |
|  | HE, HAT–An overview & observation | Observation of hearing tests, procedures involved in hearing aid fitting | Dr. Ashwini B.E., Dr. Anand Kumar S., Dr. Deepthi Nayak, Dr. Aswathi P.T. | Dr. Rajalakshmi K.& Mr. Darga Baba | 4 | 14.12.17, 15.12.17 & 28.12.17 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Workshop/Seminar** | **Organizer** | **Participants** | **Date** |
| 1. | National workshop on Auditory Brainstem and Cortical Evoked Potentials | Dr. Sandeep M., Mr. Ganapathy M.K. & Dr. Hemanth N. | 19  (Professionals and PG students) | 7-8 Dec 2017 |

1. **Attended: NIL**

**Within AIISH-NIL**

**Outside AIISH-NIL**

1. **Guest lectures/Invited talks/ Tranining program**
2. **Attended- 1**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name** | **Conference** | **Venue** | **Date** |
| 1. | Dr. Devi N. & Mr. Vivek A. | Orientation program on 3D printing technology of ear moulds | Centre for advance dental research and training, Chennai | 5-7 Dec 2017 |
| 2. | Mr. Arunraj K. | National workshop on Importance and Practises of Indian Sign Language organized by the department of Special Education | Seminar Hall, AIISH, Mysuru | 14-5 December 2017 |
| 3. | Mr. Prashanth Prabhu& Mr. Vikas M.D. | Public Financial Management System organized by Accounts | Seminar Hall, AIISH, Mysuru | 28-29 Dec 2017 |

1. **Organised-**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name of the faculty** | **Topic of Lecture** | **Conference** | **Date** |
| 1. | Mr. G. Nike Gnanateja | 1. Lecture on theoretical aspects of FFR 2. Demonstration of recording and analysis of FFR 3. Hands on training in FFR recording | National workshop on Auditory Brainstem and Cortical Evoked Potentials | 7-8 Dec 2017 |
| 2. | Ms. Dhatri | 1. Demonstration of recording EEG 2. Different methods of analyzing EEG | National workshop on Auditory Brainstem and Cortical Evoked Potentials | 7-8 Dec 2017 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name of the faculty** | **Topic of Lecture** | **Conference** | **Date** |
| 1. | Dr. Sandeep M. | 1. Theoretical aspects of MMN and P300 2. Demonstration of recording and analysis of MMN and P300 3. Hands on training in MMN and P300 recordings | National workshop on Auditory Brainstem and Cortical Evoked Potentials | 7-8 December 2017 |
| 2. | Mr. Ganapathy M.K. | 1. Theoretical aspects of LLR and AAC 2. Demonstration of recording and analysis of LLR and ACC 3. Hands on training in LLR and ACC recordings | National workshop on Auditory Brainstem and Cortical Evoked Potentials | 7-8 December 2017 |
| 3. | Mr. Anoop B.J. | 1. Demonstration of recording EEG 2. Different methods of analyzing EEG | National workshop on Auditory Brainstem and Cortical Evoked Potentials | 7-8 December 2017 |

1. **Outside AIISH: NIL**
2. **Service in Academic bodies of other organization**(Name of the organization, role, tenure):2

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| --- | --- |
| **Dr. AshaYathiraj** | * Attended BOS meeting at JSS Sp& Hg, Mysuru on 13.12.17 * Chairperson of BOS for PG-Audiology, Speech Language Pathology and Special Education * Member for BOS -Speech and Hearing |
| **Dr. Manjula P.** | * Attended BOS meeting at JSS Sp& Hg, Mysuru on 13.12.17 * Member of BOS for Audiology, Speech and Hearing |
| **Dr. Rajalakshmi K.** | * Attended Inauguration ceremony of Shravana Institute of Speech and Hearing, Bellari on 2nd December 2017 |

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

**RESEARCH ACTIVITIES/** अनुसंधान गतिविधियाँ

**Funded Research Projects:**

1. **Completed Projects: Intra-mural-NIL**
2. **Completed Projects: Extramural Projects -NIL**
3. **New research project initiated: Intra-mural- 7 (2017-18)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
|  | Encoding of speech and music at auditory brainstem (frequency following response) with and without hearing aid | To investigate frequency following response for speech and music between unaided and aided responses for individuals with hearing impairment | Dr. Devi N.-PI | ARF | 5.18 |
|  | Auditory processing in children with speech sound disorders | To assess audtitory processing in children with speech sound disorders | Dr. Chandni Jain-PI  Ms. Priya M.B.-CI | ARF | 5.25 |
|  | Relationship between hearing aid benefit and auditory processing abilities in elderly individuals with hearing impairment | Helps in modifying the protocol of hearing aid ftting and in planning an effective rehabilitation program based on the needs of the client | Dr. Geetha C.-PI  Dr. Chandi Jain-CI | ARF | 5.25 |
|  | Auditory temporal processing in older Adults: Behavioral and Electrophysiological measures Auditory systems | To compare behavioural and electrophysiological measures to study temporal processing in older adults | Mr. Ganapathay M.K.-PI  Dr. Hemanth N-CI  Mr. PrashanthPrabhu-PI | ARF | 5.18 |
|  | Computer based Audiological Evaluation Software | To develop clinical masking software and to identify issues in the developed software for ways in which it would improved, to document training effect maintenance effect from audilogy students on the usefulness of the developed software | Dr. Hemanth N.-PI  Dr.Manjula P.-CI | ARF | 8.74 |
|  | The Genetics of Sensorineural Hearing Loss | To carryout the segregation analysis in the parents and siblings for identifed mutations and to do parallel sequencing of exons of all non-human genes and human orthologues of mouse genes | Dr. Rajalakshmi K.-PI | ARF | 28.79 |
|  | Prevalence of Parental Consanguinity in Children with Communication Disorders a Survey based Study | To study the prevalence of communication disorders in Dharward district | Mr. Sreeraj K. & -PI  Dr. Jijo P.M. | ARF | 5.14 |

1. **New research project initiated: Extramural-1 (2017-18)**

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| --- | --- | --- | --- | --- |
| **Sl.No.** | **Title of the Project** | **Investigator** | **Founding source** | **Amount** |
| 1. | Efficacy of computer based traiing module on auditory and cognitive skills in children with central auditory processing disorders | Dr. Prawin Kumar | DST  (3 years) | 28.49 |

1. **Ongoing research project: Intra-mural - 16**

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| --- | --- | --- | --- | --- | --- |
| **No** | **Title** | **Objectives** | **Investigators** | **Funding source** | **Grant amount** ` |
|  | 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 U  Dr. Santosh M. | ARF | 4.33 |
|  | Bithermal Caloric Test and Video Impulse Test for the Assessment of Unilateral Vestibular Pathologies | To identify association between pithermal and video | Mr. Niraj Kumar Singh  Dr. Rajashwari G. | ARF | 4.33 |
|  | 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. RamadeviSreenivas  Ms. Mamatha N.M., | 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 Sinha  Dr.Animesh Barman  Dr. D.S. Guru,  Dr. VijayakumarNarne | ARF | 2.15 |
|  | 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 |
|  | 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 | 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. SachchidanandSinha  Dr. 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 with  SNHL 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-2**

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| --- | --- | --- | --- | --- |
| **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 |
| 2. | Auditory processing and auditory cognitive measures in carriers of mutated genes that cause hearing loss | Dr. Sandeep M | DST  (3 years) | 47.52 |

1. **Doctoral and Post-Doctoral Programs**
2. **Degree Awarded:NIL**
3. **Open Viva: NIL**
4. **Thesis:**

**Submitted: 5**

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| **No.** | **Name** | **Topic** | **Guide** |
|  | Roshni Pillai | 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 |
|  | Prashanth Prabhu P | Amplification strategies to improve aided speech perception in individuals with auditory neuropathy spectrum disorder | 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 |

1. **Under Progress: 20**

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| --- | --- | --- | --- |
| **No.** | **Name** | **Topic** | **Guide** |
|  | 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 |
|  | 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. AnimeshBarman |
|  | 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. RajalakshmiK |
|  | 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. | Effects of temporal resolution, working memory and personality on benefit of hearing aids in older adults | Dr. Manjula P. |
|  | Anoop | Cognitive and ERP measures of informational masking in young and elderly normal hearing individuals | Dr. Ajith Kumar U. |
|  | ShubhaTak | Loudness perception in children using hearing aids and children using cochlear implant | Dr. AshaYathiraj |
|  | Shreyank | Comparison of contralateral suppression of otoacoustic emission between children with APD and children with ADHD | Dr. AshaYathiraj |

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

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| --- | --- | --- | --- |
| **No.** | **Name of the candidate** | **Title of the dissertation research proposal** | **Guide** |
|  | Amruthavarshini B | Comparison of performance on SPIN-K between non-native Kannada speakers having Malayalam as native language and native Kannada speakers | Dr. Asha Yathiraj |
|  | Jain Slesha N. | Comparison of performance on SPIN-K between non-native Kannada speakers having Hindi as native language and native Kannada speakers | Dr. Asha Yathiraj |
|  | Nayana P V | Lexical Neighbourhood Test for Children in Malayalam (LNT-M) | Dr. Asha Yathiraj |
|  | Aishwarya Lakshmi | Comparison of objective and subjective approaches  for verification of RIC hearing aids | Dr. Manjula P. |
|  | Harish Kumar M.K | Effect of attitude towards hearing loss on hearing aid outcomes | Dr. Manjula P. |
|  | Angeline | Development of video for counseling hearing aid users and check its efficacy using hearing aid handling skills | Dr. Rajalakshmi K. |
|  | Chandan R | Noise induced hearing loss effect and awareness in city bus drivers | Dr. Rajalakshmi K. |
|  | Nikhil J. | Internet based cognitive behavioural therapy for adults with tinnitus in India | Dr. Rajalakshmi K. |
|  | Varsha C S | Relationship between some aspects of Temporal processing and speech in noise scores in individuals with normal hearing | Dr. Animesh Barman |
|  | Rucha | Efferent Auditory Pathway and language learning | Dr. Ajith Kumar U. |
|  | Varsha | Auditory working memory skills in normal hearing individuals exposed industrial noise | Dr. Ajith Kumar U. |
|  | Shezeen | Relationship between contralateral inhibition of otoacoustic emissions and speech perception in noise: effect of signal to noise ratio and linguistic load | Dr. Ajith Kumar U. |
|  | Khatri Ehteshaam Anwar Hussein | Effect of Varying Interstimulus Interval on Multifrequency ABR | Dr. Sandeep M. |
|  | Shruthi G N | Effect of noise on context dependant brainstem encoding of speech | Dr. Sandeep M. |
|  | Sam Publius A. | Practice effects of odd ball paradigm in P300 responses | Dr. Sandeep M. |
|  | Mayelmeit Lepcha | Vestibular problem in individuals with sensorineural hearing loss | Dr. Sujeet Kumar Sinha |
|  | Mayur Pathak | Speech evoked aided cortical potentials in adults using hearing aids | Dr. Prawin Kumar |
|  | Mangal Yadav | Sentence perception abilities in presence of noise among hearing aid users | Dr. Prawin Kumar |
|  | Udhayakumar R | Comparison of syllabic and dual compression on non-linear hearing aid processed Malayalam chimeric sentences | Dr. Devi N. |
|  | Vinayagar P.T | Comparison of syllabic and dual compression on non-linear hearing aid processed Kannada chimeric sentences | Dr. Devi N. |
|  | Shiyaam Sundar | Outcome of experienced users of wireless synchronization  digital hearing aids using Speech, Spatial and Qualities questionnaire. | Dr. Geetha C. |
|  | RajaSuman | The influence of Proficiency of the non-native background language on Speech recognition of native language | Dr. Geetha C. |
|  | Rajesh | The effect of insertion gain and preferred gain on speech intelligibiliy | Dr. Geetha C. |
|  | Chandan Kumar Nayak | Gap detection test using MLP -Development of normative in children (9-11 years) | Dr. Chandni Jain |
|  | Prithivi.T | Gap detection test using MLP -Development of normative in children (7-9 years**)** | Dr. Chandni Jain |
|  | Adithya Sugathan | Chained frequency specific tone burst stimuli for aided ABR threshold estimation in individuals with SNHL | Mr. Sreeraj K. |
|  | Megha K N | Effect of noise exposure and aging on ABR and OAEs | Mr. Sreeraj K. |
|  | Radhika Mathur | Correlation of self-assessment measures for tinnitus handicap with quality of life and its relation to psychoacoustic factors | Mr. Sreeraj K. |
|  | Rakshith | Assessment of Localization and Cognitive Ability in Individuals with Hearing Impairment: A study on Simulated Road Traffic Environment | Dr. Hemanth N. |
|  | Sujan | Frequency Discrimination Treatment and Relapse on Tinnitus: A Single Subject Design | Dr. Hemanth N. |
|  | Vishwaraj | Prevalence and Audiological Characteristics of Single Sided Deafness in Individuals with Sensorineural Hearing Loss reported to AIISH 2015-2018 | Dr. Hemanth N. |
|  | Chaitra K C | Binaural Interaction Component for Speech Evoked ABR in Older adults. | Mr. Ganapathy M.K. |
|  | Suprabha Kappadi | Effect of Occupational Noise exposure on Efferent Auditory System. | Mr. Ganapathy M.K. |
|  | Ananya Basappa | Evaluation of temporal processing abilities in individuals with hypertension. | Mr. Prashanth Prabhu |
|  | Anup Ghimire | Development of low frequency word lists in Nepali language | Mr. Prashanth Prabhu |
|  | Disha P Karnad | Evaluation of distortion product otoacoustic emission input output function in individuals with auditory neuropathy spectrum disorder | Mr. Prashanth Prabhu |

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

**National: 3**

1. Zohra, N.G., Namitha, J., Kavitha, J &Prabhu, P. (2017). Evaluation of auditory stream segregation in singers and non-singers.*Presented at Frontiers of Research in Speech and Music - 2017 held at NIT, Rourkela on 15-16th December, 2017.*
2. Shobhan, B., Madhu S.B., Jeevan G. &Prabhu, P. (2017). Effect of compression ratio on perception of time compressed phonemically balanced words in Telugu. *Presented at Frontiers of Research in Speech and Music - 2017 held at NIT, Rourkela on 15-16th December, 2017.*
3. Sreedevi N and Jyothi S. (2017). A Quatitative Analysis of Reduplicated and Variegated Babbling in Typically Developing Infants: A Longitudinal Study. *Presented at Frontiers of Research in Speech and Music - 2017 held at NIT, Rourkela on 15-16th December, 2017.*

**International: NIL**

1. **Research Papers Published**

**In-house publications: NIL**

**NationalPublications: 3**

1. Apeksha, K., &  Kumar A.U. (2017) P300 in individuals with auditory neuropathy spectrum disorder. Journal of Indian Speech Language and Hearing Association, 31 (1), 23-28.
2. [Gargeshwari](http://www.jisha.org/searchresult.asp?search=&author=Aditi+Gargeshwari&journal=Y&but_search=Search&entries=10&pg=1&s=0), A.,[Singh](http://www.jisha.org/searchresult.asp?search=&author=Niraj+Kumar+Singh&journal=Y&but_search=Search&entries=10&pg=1&s=0), N.K., [Kumar](http://www.jisha.org/searchresult.asp?search=&author=Prawin+Kumar&journal=Y&but_search=Search&entries=10&pg=1&s=0), P. [Jha,](http://www.jisha.org/searchresult.asp?search=&author=Raghav+Hira+Jha&journal=Y&but_search=Search&entries=10&pg=1&s=0" \t "_blank) R.H.(2017) Effect of lowered bone mineral density on the outcomes of audiological tests: A preliminary study. Journal of Indian Speech Language and Hearing Association, 31 (1), 29-35
3. Shetty, HN Mathai, PM and Uppunda, AU (2017). Disability Certificate for Individuals with Hearing Impairment: Indian J Otol*, 23 (1), 7-12*

**International Publications: 4**

1. Himanshu Kumar Sanju, ManishaChoudhury and Prawin Kumar (2017). Perception of Sentences in Noise Using Different Number of Channels in Simulated Cochlear Implant Listeners. Journal of Otolaryngology-ENT research 2017, 8 (4) 0025
2. HemanthN, Kooknoor V. (2017). [Deep band modulated phrase perception in quiet and noise in individuals with auditory neuropathy spectrum disorder and sensorineural hearing loss](https://scholar.google.co.in/citations?view_op=view_citation&hl=en&user=W0Sl2E4AAAAJ&citation_for_view=W0Sl2E4AAAAJ:4fKUyHm3Qg0C), Noise & Health 19 (89), 174-182
3. Hemanth Narayan Shetty (2017) A battery of tests for fitting hearing aid to single sided deafness client – a case report, ActaOto-Laryngologica Case Reports, 2:1, 89-95, DOI: 10.1080/23772484.2017.1321469.
4. Prakash. T. K, Abhilash. S, Devi. N & Jasjyot Kaur (2017). Audiological evidences on efficacy of mucolite therapy in patients with serous otitis media. *International Journal of Advanced Research, 5(12), 842-848.*
5. Papers published in conference / Seminar Proceedings-NIL
6. Books/Book chapters published- NIL
7. Books/Manuals/Seminar Proceedings edited-NIL
8. Scholarly Reviewing Activities- NIL
9. Journal Editorship

***Dr. Manjula P.***

Associate Editor (Hearing)-JAIISH

***Dr. Sandeep M***

Managing Editor-JAIISH

***Dr. Prawin Kumar***

Editor-JISHA

***Mr. PrashanthPrabhu***

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 | 1280 | | Clients seen at JC block | 1155 | | Clients seen in camps | 237 | | ***Ears with diff degrees of HL*** |  | | ·  Normal hearing | 218 | | ·  Minimal | 69 | | ·  Mild | 92 | | ·  Moderate | 77 | | ·  Moderately severe | 75 | | ·  Severe | 66 | | ·  Profound | 131 | | . Minimal to mild | 0 | | . Mild to moderate | 6 | | . Mod.to modtly severe | 11 | | . Modtly severe to sev. | 8 | | . Severe to profound | 8 | | . Moderate to severe | 3 | | . Sloping | 73 | | ***Ears tested having*** |  | | . Conductive hearing | 185 | | . Mixed hearing loss | 335 | | . SN hearing loss | 464 | | Clients with unil HL | 102 | | Clients with bil HL | 710 | | Ears with Aud. Dys-synchrony | 4 | | Clients with APD | 2 | | Clients with Funl HL | 9 | | Clients - tinnitus evaln | 21 | | Clients for PTA | 879 | | Clients for Sp.Aud | 870 | | Clients for Immitt. evln | 881 | | Clients for OAE | 181 | | Clients for ABR | 232 | | Clients for VEMP | 7 | | Clients for VHIT | 0 | | Clients for BOA | 25 | | Clients for VRA | 14 | | Clients for LLR | 2 | | 1. **Hearing Aid Trial**  |  |  | | --- | --- | | **Hearing Aid Trial** |  | | No. of clients seen for HAT | 596 | | HAs prescribed at AIISH | 448 | | Body level hearing aids | 22 | | - ADIP | - | | * Purchased | - | | ·    Analogue BTE | 161 | | ·    Digital BTE | 318 | | ·    Trimmer Digital BTE | - | | . Mini BTE | 13 | | ·    Digital ITE | - | | ·    Digital ITC | 5 | | ·    Digital CIC | - | | . Digital RIC | 29 | | No. of clients recommended | **88** | | ·    Auditory training | 82 | | ·    Speechreading | 6 | | Hearing aids dispensed under HDDU scheme | 161 | | HA prescribed on exchange | 1 | | Unaided/aided audiograms | 72 | | BOA | 6 | | Aided VRA | 9 | | Conditioning | 86 | | Programming of digital HA | 296 | | No. of IGO done | 0 | | EAC of hearing aids done | 4 | | Tretrial with CEM | 76 | | Recommended for ear plugs | 0 | | Unaided & aided LLR done | 0 |  1. **Counseling and Guidance**  |  |  | | --- | --- | | Total no. of counseled | **596** | | No. of clients counseled at AIISH | 502 | | No. of clients counseled at Camps | 94 | |

1. **Ear moulds**

|  |  |
| --- | --- |
| **Earmold lab** | |
| Clients ear imprn. taken | 426 |
| * New clients | 112 |
| * Old clients | 314 |
| Ear impressions taken | 894 |
| * Free-of-cost | 189 |
| * 100% payment | 483 |
| * At camp | 222 |
| * CPL impressions received | 0 |
| EMs completed | 890 |
| No. Mould Lacquered | 112 |
| No. of sound tube issued | 128 |
| Hard regular moulds | 44 |
| Hard shell mould made | 4 |
| Soft mould made | 350 |
| Hard canal moulds | 0 |
| Soft canal moulds | 6 |
| ITC impression made | 9 |
| Swimmer plug (soft) | 10 |
| Swimmer plug (hard) | 0 |
| No. of ear blocked | 9 |
| EMs with aco. modificns. | 0 |
| Clients seen at camp | 219 |
| CPL moulds completed | 0 |

***State wise statistics Revenue***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **States** | **Statistics** |  | **Sl.No.** | **Details** | **Amount** |
|  | Andhra Pradesh | 3 |  |  | Spares | 6730 |
|  | Karnataka | 379 |  |  | Post | 660 |
|  | Kerala | 36 |  |  | Making ear moulds | 107595 |
|  | Tamil Nadu | 4 |  |  |  |  |
|  | Telangana | 1 |  |  |  |  |
|  | Others | 3 |  |  |  |  |

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 | 3 | 3 | 2 | 11 | 9 |
| 2-5 | 41 | 36 | 53 | 42 | 35 | 45 |
| 6-10 | 23 | 14 | 15 | 11 | 35 | 40 |
| 11-15 | 19 | 13 | 13 | 5 | 10 | 11 |
| 16-20 | 20 | 20 | 6 | 7 | 9 | 12 |
| 21-25 | 43 | 16 | 17 | 4 | 9 | 11 |
| 26-30 | 33 | 33 | 5 | 3 | 11 | 3 |
| 31-35 | 31 | 23 | 4 | 1 | 2 | 3 |
| 36-40 | 33 | 30 | 2 | 5 | 10 | 10 |
| 41-45 | 35 | 23 | 5 | 3 | 2 | 4 |
| 46-50 | 26 | 28 | 6 | 8 | 6 | 6 |
| 51-55 | 33 | 22 | 14 | 9 | 8 | 12 |
| 56-60 | 35 | 28 | 19 | 9 | 10 | 10 |
| 61-65 | 43 | 18 | 25 | 12 | 8 | 6 |
| 66-70 | 36 | 22 | 40 | 16 | 15 | 10 |
| 71-75 | 42 | 13 | 56 | 17 | 12 | 11 |
| 76-80 | 30 | 10 | 27 | 8 | 12 | 5 |
| 81-85 | 16 | 7 | 17 | 5 | 11 | 2 |
| 86-90 | 5 | 2 | 6 | 2 | 0 | 0 |
| 91+ | 1 | 0 | 0 | 0 | 0 | 0 |
| **Total** | **557** | **361** | **333** | **169** | **216** | **210** |
| **918** | | **502** | | **426** | |

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

1. **Implantable Hearing Devices Unit**

|  |  |
| --- | --- |
| **Implantable Hg. Devices Unit** | |
| No. of cases seen | **13** |
| 1. Non-ADIP | 7  4  2 |
| 1. ADIP-CI 2. RBSK-SAST |
| No. of switch on | **1** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 0  0  1 |
| No. of sessions | **17** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 8  5  4 |
|  |  |
| Mapping for CI | **12** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 5  3  4 |
| Aided audiograms for CI | 12 |
| Troubleshooting CI devices | **5** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 3  2  0 |
| Counselling for CI clients | **17** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 8  5  4 |
| BAHA trial | 0 |
| Candidacy for CI | 6 |
|  |  |

1. **Listening Training Unit**

|  |  |
| --- | --- |
| **Listening Training Unit** |  |
| Clients seen | 240 |
| Sessions taken | 701 |
| Clients for whom demo therapy given | 23 |
| New clients | 26 |
| Repeat clients | 214 |
| Clients discharged | 14 |
| Clients discontinued | 13 |
| Pre-school sessions attended | 0 |
| Clients given training in Hindi | 30 |
| Clients with CI trained | 44 |
| Sessions for clients with CI taken | 141 |
| Clients with tinnitus attended therapy | 11 |
| Sessions for clients with tinnitus | 15 |
| Clients with ANSD | 1 |
| Sessions for clients with ANSD | 3 |
| Clients with hyperacusis | 0 |
| Clients with CAPD | 2 |
| Sesseionsforclientswith CAPD | 6 |
| Clients for speech reading | 0 |
| Clients for observn for HAT | 1 |

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

***Certificates Issued***

|  |  |
| --- | --- |
| Financial aid (pension of GOK) | 112 |
| Admission to deaf school | 0 |
| Physically handicapped | 0 |
| Tax exemption | 1 |
| Education scholarship | 0 |
| Driving licence | 4 |
| LIC | 0 |
| CI | 14 |
| Estimation certificate for hearing aids | 28 |
| Reimbursement letters | 4 |
| Certificate issued at camp | 0 |
| **Total** | **163** |

**PUBLIC EDUCATION AND OUTREACH SERVICES/**सार्वजनिकशिक्षाऔरआउटरीचसेवाएं

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.** | |
| 08.12.17 | | Hunsur | | Mr. Dileep Kumar | | **Ear impression** | |  | |
| Cases attended | | 26 | |
| Impression taken | | 29 | |
| 15.12.17 | | Chamarajnagar | | Mr. Jayaram M.T. | | **Ear impression** | |  | |
| Cases attended | | 62 | |
| Impression taken | | 62 | |
| 22.12.17 | | Chamarajnagar | | Mr. Dileep Kumar | | **Ear impression** | |  | |
| Cases attended | | 74 | |
| Impression taken | | 74 | |

1. **Other Outreach Services-1**

Dr. Geetha C. and Mr. Jithin B. carried out hearing evaluation and fine tuning of hearing aids to a bed ridden patient, Ms. Shakuntalamma, Near Kalidasa road, Mysuru. A photograph with the patient has been submitted to the department as a proof.

1. **Public lecture series- NIL**

**TECHNOLOGICAL CONSULTANCY SERVICES/**तकनी की परामर्श सेवाएं**-NIL**

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

**EXTRA CURRICULAR ACTIVITIES/**पाठ्येतर गतिविधियां**-NIL**

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

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

**VISITORS/**आगंतुकों-1

Prof. B.K. Chandrashekar, Former Minister of Primary Eduction and IT, Govt. of Karnataka on 29.12.17

**ANY OTHER/**कोई दूसरा

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

|  |  |
| --- | --- |
| **Dr. AshaYathiraj** | * Incharge for Listening training unit from 01.01.18 to 31.12.19 |
| **Dr. Manjula P.** | * Served as Internal examiner for I M.Sc (Audiology) on 07.12.17 * Incharge for Implantable hearing devices unit from 01.01.18 to 31.12.19 |
| **Dr. Rajalakshmi K.** | * Served as Internal examiner for II M.Sc (Audiology) on 08.12.17 |
| **Dr. Animesh Barman** | * Nominated as Academic Coordinator from 01.01.18 to 31.12.19 * Served as Chairperson-Invitation, Registration and Reception committee for the Graduation Day 2017 held on 12.12.17 |
| **Dr. Ajith Kumar U.** | * Nominated as DHLS Overall Coordinator from 01.01.18 to 31.12.19 * Nominated as Warden for boys hostel from 01.01.18 to 31.12.19 |
| **Dr. Sujeet Kumar** | * Nominated as HOD-Audiology from 01.01.18 to 31.12.19 * Served as Member-Invitation, Registration and Reception committee for the Graduation Day 2017 held on 12.12.17 |
| **Ms. Devi N.** | * Invigilator for M.Sc exam held in December 2017 * Nominated as Warden for girls hostel from 01.01.18 to 31.12.19 |
| **Ms. Geetha C.** | * Invigilator for M.Sc exam held in December 2017 * Nominated as CBCS coordinator, Audiology from 01.01.18 to 31.12.19 |
| **Dr. Chandni Jain** | * Custodian for UG evaluation at University of Mysore |
| **Mr. Sreeraj K.** | * Served as Member-Invitation, Registration and Reception committee for the Graduation Day 2017 held on 12.12.17 |
| **Mr. PrashanthPrabhu** |  |
| **Mr. Hemanth N.** | * Served as Internal examiner for II M.Sc (Audiology) on 08.12.17 * Invigilator for M.Sc exam held in December 2017 |
| **Mr. Ganapathy M.K.** | * Served as Internal examiner for I M.Sc (Audiology) on 07.12.17 * Invigilator for M.Sc exam held in December 2017 * Served as Member-Invitation, Registration and Reception committee for the Graduation Day 2017 held on 12.12.17 |
| **Mr. Jawahar Antony** | * Was deputed to SAST, Bangalore to bring CI processor kits for CI patients |
| **Mr. Draga Baba** | * Served as Internal examiner for I M.Sc (Audiology) on 07.12.17 |
| **Dr. Sharath Kumar** | * Served as Member-Invitation, Registration and Reception committee for the Graduation Day 2017 held on 12.12.17 |
| **Mr. Vikas M.D.** | * Served as Internal examiner for II M.Sc (Audiology) on 08.12.17 * Served as Member-Catering and Hospitality committee for the Graduation Day 2017 held on 12.12.17 |
| **Mr. Anoop B.J.** | * Served as Member-Invitation, Registration and Reception committee for the Graduation Day 2017 held on 12.12.17 |
| **Mr. Shreyank P. Swamy** | * Served as Member-Invitation, Registration and Reception committee for the Graduation Day 2017 held on 12.12.17 |
| **Ms. Yashaswini** | * Served as Member-Invitation, Registration and Reception committee for the Graduation Day 2017 held on 12.12.17 |
| **Mr. RakeshGatla** | * Served as Member-Invitation, Registration and Reception committee for the Graduation Day 2017 held on 12.12.17 |

1. **Others-**

|  |  |
| --- | --- |
| **Feedback -November** | **Total: 26**  Very Good: 9; Good: 6; Satisfactory: 7; Not satisfied: 4 |
| **Inauguration of Renovated Ear mould Lab** | The Renovated Ear Mould Lab was inaugurated by Prof. B.K. Chandrashekar, Former Minister of Primary Eduction and IT, Govt. of Karnataka on 29.12.17 |
| **Development of PEP on ear mould** | Dr. Devi N. & Mr. Vivek A. developed Public Education Pamplet related to Ear moulds |
| **Appointment** | Ms. Indira C.P. joined to DST funded research project of Dr. Sandeep M. w.e.f 20.12.17 |

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