अखिल भारतीय वाक श्रवण संस्थान, मैसूर - 6

All India Institute of Speech and Hearing, Mysuru - 6

श्रवण विज्ञान विभाग, Department of Audiology

**मासिक रिपोर्ट - फ़ॆब्रवरि 2019**

**MONTHLY REPORT - *FOR THE MONTH OF FEBRUARY 2019***

**Monthly Statistics (From 1stto 28th February 2019)**

**ACADEMIC ACTIVITIES/ शैक्षणिक गतिविधियों**

1. **Short-term Training / Orientation Programs : Nil**

**Orientation Programs organized : Nil**

1. **In-house Training / Staff enrichment program : 01**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Date** | **Topic** | **Presenter** | **Co-ordinator** |
| 1 | 06.02.2019 | Livio AI hearing aid | Ms. Shezeen | HOD-Audiology |

**Clinical Observation postings of students from other Institutes : Nil**

1. **Seminars / Conferences / Workshops**
2. **Organized : Nil**
3. **Attended :** Nil

Within AIISH : Nil

Outside AIISH : Nil

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Name** | **Title of the program** | **Venue** | **Date** |
| 1 | Dr. Asha Yathiraj | **Decision on early referral for Cochlear Implants in those with congenital neonatal hearing loss’** | Mysuru | 18th November |
| 2 | Dr. Chandni Jain | **Hearing Loss -**Definition, Characteristics, identification and strategies | ZEIT, KV, Mysore | KV, 27/11/18 |

1. **Guest lectures/Invited talks**
2. Attended : Nil
3. Organized : Nil
4. **Invited talks delivered by the Staff**
5. Within AIISH : Nil
6. Outside AIISH : Nil
7. **Service in Academic bodies of other organization :** Nil

(Name of the organization, role, tenure)

1. **Participation in Committees/Taskforces & Panels set-up by :** Nil

**other organizations/agencies** (Name of the committee, organization,

purpose, role, tenure)

**RESEARCH ACTIVITIES/** अनुसंधानगतिविधियाँ

**Funded Research Projects**

1. **Completed Projects : Intra-mural -** Nil
2. **Completed Projects : Extramural Projects –** Nil
3. **On going Research project : Intra-mural- 7 (2017-18)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 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 |
| 2 | Auditory processing in children with speech sound disorders | To assess auditory processing in children with speech sound disorders | Dr. Chandni Jain-PI  Ms. Priya M.B.-CI | ARF | 5.25 |
| 3 | Relationship between hearing aid benefit and auditory processing abilities in elderly individuals with hearing impairment | Helps in modifying the protocol of hearing aid fitting 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 |
| 4 | Auditory temporal processing in older Adults: Behavioral and Electrophysiolo-gical 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 |
| 5 | 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 audiology students on the usefulness of the developed software. | Dr. Hemanth N.-PI  Dr. Manjula P.-CI | ARF | 8.74 |
| 6 | The Genetics of Sensorineural Hearing Loss | To carryout the segregation analysis in the parents and siblings for identified 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 |
| 7 | Prevalence of Parental Consanguinity in Children with Communication Disorders a Survey based Study | To study the prevalence of communication disorders in Dharwad district. | Mr. Sreeraj K. & -PI  Dr. Jijo P.M. | ARF | 5.14 |

1. **New research project initiated : Extramural - 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Title** | **Investigators** | **Funding source** | **Grant amount** |
| **1** | Auditory and cognitive consequences of dys-synchronours auditory nerve activity. | PI-Dr. Ajith Kumar U.  CI-Dr. Sandeep M. | DST | 44,00,000 |
| **2** | Neuro-audiological profiling of children with special language impairment | PI-Dr. Animesh Barman&  Dr. Swapna N  CI-Dr. Prashanth Prabhu | DST | 33,88,200 |
| **3** | Auditory and cognitive consequences of dys-synchronous auditory nerve activity | PI-Dr. Ajith Kumar U. | DST | 33,28,400 |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 |
|  | Development of standardization of questionnaire to assess the outcome in adult hearing aid users | To develop questionnaire in order 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 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 |
|  | 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 integration | 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 |
|  | Effect of Cochlear implantation and surgery technique on cervical vestibular evoked myogenic potential | To study the different surgical technique on vestibular evoked myogenic potentials. | Mr. Sachchidanand Sinha  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 low frequency range word lists in Malayalam | To determine the speech identification scores in individuals with predominantly low frequency hearing loss | Mr. Prashanth Prabhu | ARF | 4.93 |

1. **Ongoing research project : Extramural-3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | PI: Dr. Rajalakshmi K. | DST | 35.29 |
| 2. | Auditory processing and auditory cognitive measures in carriers of mutated genes that cause hearing loss | PI: Dr. Sandeep M.  CI: Dr. Santhosh M. | DST  (3 years) | 47.52 |
| 3. | Efficacy of computer based training module on auditory and cognitive skills in children with central auditory processing disorders | PI: Dr. Prawin Kumar  CI: Dr. Niraj Kumar Singh | DST  (3 years) | 28.49 |

1. **Doctoral and Post-Doctoral Programs**
2. **Degree Awarded (for the current month) : 2**
3. **Under Progress : 26**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Name** | **Topic** | **Guide / Co-guide** |
|  | Megha | Auditory cognitive and neuro-physio -logical basis of hearing aid acclimatization | Dr. Sandeep M.  **Guide** |
|  | Priyanka V | Temporal processing abilities audi -tory working memory and speech perception in noise in vocal musicians, violinists and non-musicians | Prof. Rajalakshmi K.  **Guide** |
|  | Srikar V | Auditory continuity and perceptual restoration of speech in noise-relationship with speech intelligibility in individuals with normal hearing and cochlear hearing loss | Dr. Animesh Barman  **Guide** |
|  | Arunraj K | Clinical validation of Wide band absorbance Tympanometry in detecting middle ear disorders | Prof. Animesh Barman  **Guide** |

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| **Sl. No.** | **Name** | **Topic** | **Guide / Co-guide** |
|  | 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  **Guide** |
|  | 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  **Guide** |
|  | Mamatha N.M | Effect of auditory processing abilities on academic performance in Kannada speaking primary school children | Prof. Asha Yathiraj  **Guide** |
|  | Anu Prasad | Auditory processing in children with benign epilepsy with centro temporal spikes/rolandic epilepsy | Prof. Rajalakshmi K  **Guide** |
|  | Prajna Nayak | Fundamental frequency (f0) encoding and speech perception in noise | Prof. Rajalakshmi K  **Guide** |
|  | Vignesh S.S. | Evaluation of brainstem functions in multiple sclerosis using auditory vestibular test battery | Prof. Rajalakshmi K  **Guide** |
|  | Dhanya M | Perceptual cues of Co-articulation in Malayalam in Normal Hearing and Hearing impaired individuals | Dr. Sandeep M  **Guide** |
|  | Rakesh Gatla | Auditory processing and speech perception abilities in carriers of mutated genes that cause hearing loss (Tentative) | Dr. Sandeep M  **Guide** |
|  | Yashashwini L | Categorical perception and processing of speech and music stimuli in individuals with and without music training (Tentative) | Dr. Sandeep M  **Guide** |
|  | Darga Baba Fakaruddin | Effect of Age, Hearing Loss and Working Memory on Speech Recognition in Naïve Hearing aid Users. | Prof. Rajalakshmi K  **Guide** |
|  | Vikas M.D. | Effects of temporal resolution, working memory and personality on benefit of hearing aids in older adults | Dr. Manjula P.  **Guide** |
|  | Anoop B. J. | Cognitive and ERP measures of informational masking in young and elderly normal hearing individuals | Dr. Ajith Kumar U.  **Guide** |
|  | ShubhaTak | Loudness perception in children using hearing aids and children using cochlear implant | Dr. AshaYathiraj  **Guide** |
|  | Shreyaank | Comparison of contralateral suppression of otoacoustic emission between children with APD and children with ADHD | Dr. AshaYathiraj  **Guide** |
|  | Shailaja Shukla | Cognitive Linguistic Processing in Typically Aging Kannada speaking individuals | Dr. Manjula P.  **Co-Guide** |
|  | Priyanka Jaisinghani | Joined on 28.04.18 | Dr. Manjula P.  **Guide** |
|  | Sreena E N | Joined on 28.04.18 | Dr. Manjula P.  **Guide** |
|  | Sahana V | Joined on 28.04.18 | Dr. Ajith Kumar U  **Guide** |
|  | Jim Saroj Winston | Joined on 28.04.18 | Dr. Ajith Kumar U  **Guide** |
|  | Priyadharshini K. | Joined on 28.04.18 | Dr. Ajith Kumar U  **Guide** |

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| **Sl. No.** | **Name** | **Topic** | **Guide / Co-guide** |
|  | Ms Reesha | Joined on 28.04.18 | Dr. Prawin Kumar **Guide** |
|  | Ms. Merin Mathews | Joined on 28.04.18 | Dr. Rajalakshmi K.**Guide** |

1. **PG Dissertations**
2. **Completed : Nil**
3. **Under progress : 36**
4. **Research Paper Publications / Presentations**

**Papers presented at 51st ISHCON - held at Bengaluru from 8th to 10th February 2019**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Title of the presentation** | **Authors** |
| 1 | Sensitivity and Specificity of â€˜Temporal Ability Screening Testâ€™ (TAST) in older adults | Asha Yathiraj, Vanaja C.S. |
| 2 | Comparison of syllabic and dual compression Hearing Aid Processed Malayalam Chimeric Sentences | Udhayakumar R, Devi N |
| 3 | Identifying the Safe Stimulus Intensity for Cervical Vestibular-Evoked Myogenic Potentials | Niraj Kumar, Nainitha K K, Prawin kumar |
| 4 | Otolith and Semicircular canal function in individuals with calcium homeostasis dysfunction | Raghav Jha, Prawin Kumar, Aditi Gargeshwari, Niraj Kumar |
| 5 | Auditory Neural Correlates of Spatial Training in Listeners with Sensorineural Hearing Impairment: A High Density Electroencephalography Study | Nisha KV, Ajith Kumar |
| 6 | Frequency discrimination task in game format to treat tinnitus | Hemanth N |
| 7 | Effect of occupational noise on audiometric thresholds in industrial workers | Akshatha Yogendra, Prawin Kumar, Swapna N, Animesh Barman, Arun raj K |
| 8 | Prevalence of hearing impairment and risk factors in newborns under neonatal hearing screening program in southern city of Karnataka | Nayana M, Tejaswini Shambhu, Arunraj K, Swapna N, Prawin Kumar |
| 9 | Indications of Hidden Hearing Loss in subjects with â€˜normalâ€™ hearing exposed to occupational noise | Srikar Vijayasarathy, Meghana Mohan, Pratibha Nagalakshmi N G, Animesh Barman |
| 10 | Evaluation of difference limen for frequency, intensity and duration in individuals with visual impairment | Alka C K, Monam Sinha, Ardra K, Prashanth Prabhu P |

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| --- | --- | --- |
| **Sl. No.** | **Title of the presentation** | **Authors** |
| 11 | SPIN-K in Non-Native Kannada speakers: Comparison of Native Hindi and Malayalam Speakers who are Non-native Kannada Speakers | Amrutha Varshini B, Slesha Jain, Asha Yathiraj |
| 12 | Audio-Vestibular Findings In An Adult With Arnold Chiari Malformation | Anu Sara Anish, Devika Vijayan, Annika Shiju, Rama Devi S, Shanthala S P, Prashanth Prabhu P |
| 13 | Assessment Of Binaural Integration Abilities In Individuals With Visual Impairment | Ardra K, Monam Sinha, Alka C K, Prashanth Prabhu P |
| 14 | Test retest reliability of contralateral suppression of distortion product otoacoustic emission fine structure in individuals with normal hearing. | Biswajit Pradhan, Prawin Kumar, Reesha O. Abdul Hussain |
| 15 | Perception of Speech In Presence of Noise on Native And Non-Native Listeners | Durga S Kumar, Aparna U, Reesha O.Abdul Hussain, Prawin Kumar |
| 16 | Medial olivocochlear functioning and speech perception in noise in Polycystic ovary syndrome (PCOS) | Durga S Kumar, Saranya M, Devi N, Chandni Jain |
| 17 | Effect of Varying the Interstimulus Interval on Multi Frequency Auditory Brainstem Response | Ehteshaam Anwar Hussein, Sandeep Maruthy |
| 18 | The role of mocb in central auditory processing | Haripriya T, Gopika Vinod, Hiba Sherin, Indira C P, Sandeep Maruthy |
| 19 | Does martial art training improve binaural integration? Â€“ a preliminary study | Hrishitha V M, Neha Mansoor Ali, Vibhuti Sharma, Jeslin Jose, Prashanth Prabhu P |
| 20 | Age related changes in Inter-frequency Amplitude Ratio of Ocular Vestibular-Evoked Myogenic Potentials | Husna Firdose, Niraj Kumar Singh |
| 21 | Performance intensity function of speech perception in noise- the effects of linguistic redundancy and hearing loss | Indira C P, Sandeep Maruthy |
| 22 | Distortion product otoacoustic emissions input output function in individuals with and without musical abilities | Kavitha G S, Madhumanti Chakraborty, Devi N, Prashanth Prabhu P |

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| **Sl. No.** | **Title of the presentation** | **Authors** |
| 23 | Test retest reliability of various psychoacoustic measures using Maximum Likelihood Procedure | Kirti Joshi, Chandni Jain |
| 24 | Effect of Acoustic Features on Discrimination Ability in Individuals with Auditory Neuropathy Spectrum Disorder: An Electrophysiological and Behavioural Study | Kumari Apeksha, Ajith Kumar |
| 25 | Application of Virtual Acoustic Technology for Auditory Spatial training in listeners with Sensorineural hearing impairment | Nisha K V, Ajith Kumar |
| 26 | Test re-test relaibility of distortion product input-output function â€“ a preliminary study | Ritwik Jargar, Rohit Bhattacharyya, Nethra R, Darshita K, Mesmin Rajkumar, Prashanth Prabhu P |
| 27 | Effect of familiarization to odd ball paradigm task on P300 | Sam Publius, Sandeep Maruthy |
| 28 | Evaluation of auditory stream segrgation through profile analysis in children with abacus training | Shreya Sivaramakrishnan, Malavika Puthiyadam, Indira V, Pooja SV, Prashanth Prabhu P |
| 29 | Contralateral suppression of TEOAEs using Global and Half-octave bands: Comparison of Reliability in Children and Adults | Shreyank P. Swamy, Asha Yathiraj |
| 30 | Estimation of gap detection thresholds in adults using cortical auditory evoked potentials | Srikanth Nayak |
| 31 | Relationship between Temporal processing and Phonological awareness in Children with Speech Sound Disorders | Chandni Jain, Priya M B, Kirti Joshi |
| 32 | Temporal Resolution: Behavioural measure and its Neural Correlates in Individuals with Normal Hearing Sensitivity | Varsha M Athreya, Animesh Barman |

1. **Research Papers Published**

**In-house publications :** Nil

**National Publications :** Nil

**International Publications :** Nil

1. Papers published in conference / Seminar Proceedings : Nil
2. Books/Book chapters published : Nil
3. Books/Manuals/Seminar Proceedings edited : Nil
4. Scholarly Reviewing Activities : Nil
5. Journal Editorship

**Dr. Asha Yathiraj**

Editorial Board Member of AYJNISHD-Journal of Cochlear Implant

**Dr. Manjula P.**

Associate Editor (Hearing)-JAIISH

**Dr. Ajith Kumar U.**

Editor of American Journal of Audiology

**Dr. Sandeep M.**

Editor of American Journal of Audiology

**Dr. Prawin Kumar**

Editor-JISHA

**Mr. PrashanthPrabhu**

Editorial panel member of an International Journal titled ‘EC Neurology’

**Dr. Hemanth N.**

International editorial reviewer board of Journal of Audiology and Otology

**Dr. Sharath Kumar**

Assistant Editor of JAIISH

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

February 2019 (27.01.2019 - 26.02.2019)

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| 1. **Hearing Evaluation**  |  |  | | --- | --- | | **Clients seen in OPD** | | | Clients seen at JC block |  | | Clients seen in camps | **1243** | | ***Ears with diff degrees of HL*** |  | | ·  Normal hearing | 239 | | ·  Minimal | 112 | | ·  Mild | 92 | | ·  Moderate | 91 | | ·  Moderately severe | 75 | | ·  Severe | 95 | | ·  Profound | 135 | | . Minimal to mild | 01 | | . Mild to moderate | 06 | | . Moderate to moderately severe | 15 | | . Moderately severe to severe | 09 | | . Severe to profound | 25 | | . Moderate to severe | 01 | | . Sloping | 100 | | ***Ears tested having*** | | | . Conductive hearing | 214 | | . Mixed hearing loss | 336 | | . SN hearing loss | 623 | | Clients with unil HL | 111 | | Clients with bil HL | 968 | | Ears with Aud. Dys-synchrony | 08 | | Clients with APD | 02 | | Clients with Funl HL | 13 | | Clients - tinnitus evaln | 25 | | Clients for PTA | 1183 | | Clients for Sp. Aud. | 1195 | | Clients for Immitt. evln | 1206 | | Clients for OAE | 426 | | Clients for ABR | 347 | | Clients for VEMP | 49 | | Clients for VHIT | 16 | | Clients for BOA | 42 | | Clients for VRA | 18 | | Clients for LLR | 00 | | Behavioral vestibular assessment | 18 | | 1. **Hearing Aid Trial**  |  |  |  | | --- | --- | --- | | **Hearing Aid Trial** | | | | No. of clients seen for HAT | **539** | | | No. of clients seen at camp | **-** | | | No. of HA’s prescribed at camp | - | | | No. of HA’s issued at camp | - | | | HA’s prescribed at AIISH | 381 | | | . Body level hearing aids | 30 | | | ·    Analogue BTE | 14 | | | ·    Digital BTE | 287 | | | ·    Trimmer Digital BTE | 03 | | | . Mini BTE | 00 | | | ·    Digital ITE | 00 | | | ·    Digital ITC | 02 | | | ·    Digital CIC | 04 | | | . Digital RIC | 41 | | | Testing for CI candidacy | 01 | | | **No. of clients recommended** | | | | ·    Auditory training | | 94 | | ·    Speech reading | | 11 | | HA prescribed on exchange | | 00 | | Aided audiograms | | 94 | | Aided audiogram for CI | | 13 | | BOA | | 09 | | VRA | | 12 | | Conditioning | | 94 | | Programming of digital HA | | 251 | | Reprogramming of HA | | 110 | | No. of IGO done | | 00 | | EAC of hearing aids done | | 02 | | Retrial with CEM | | 45 | | Recommended for EPD’s | | 00 | | Unaided & aided LLR done | | 00 | | Rec. for CI candidacy | | 14 |  1. **Counseling and Guidance**  |  |  | | --- | --- | | Total No. of counseled |  | | No. of clients counseled at AIISH | **1782** | | No. of clients counseled at Camps | - | |

1. **Ear moulds**

|  |  |
| --- | --- |
| **Earmould lab** | |
| Clients ear impression taken | |
| * New clients | 181 |
| * Old clients | 271 |
| * Clients seen at camp | 73 |
| **Ear impressions taken** | |
| * Free-of-cost |  |
| * 100% payment | 610 |
| * At camp | 146 |
| * CPL impressions received | 00 |
| EMs completed | 200 |
| No. Mould Lacquered | 55 |
| No. of sound tube issued | 115 |
| Hard regular moulds | 82 |
| Hard shell mould made | 00 |
| Soft mould made | 488 |
| Hard canal moulds | 00 |
| Soft canal moulds | 01 |
| Instant moulds | 00 |
| Silicon impression taken | 06 |
| Swimmer plug (soft) | 03 |
| Swimmer plug (hard) | 00 |
| No. of ear blocked | 06 |
| No. of sound tube replaced | 115 |
| EMs with acoustics modifications. | 01 |
| No. of students posted | 39 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **State-wise statistics** | | | **Revenue** | | |
| **Sl. No** | **States** | **Statistics** | **Sl. No.** | **Details** | **Amount** |
| 1 | Andhra Pradesh | 15 | 1 | Spares | 8600.00 |
| 2 | Karnataka | 317 | 2 | Post | 300.00 |
| 3 | Kerala | 50 | 3 | Making ear moulds | 147645.00 |
| 4 | Tamil Nadu | 51 | **Total Revenue** | | **156545.00** |
| 5 | Telangana | 03 |
| 6 | Others | 16 |

**Students posted**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Students** | **Statistics** |
| 1 | DHA&ET | 08 |
| 2 | DHLS | 00 |
| 3 | III B.Sc | 11 |
| 4 | Interns | 13 |
| 5 | II M.Sc. | 06 |
| 6 | Visitors PG-ENT | 01 |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age**  **group**  **years** | **Hearing**  **Evaluation** | | **Hearing Aid**  **Trial** | | **Ear moulds** | |
| **Male** | **Female** | **Male** | **Female** | **Male** | **Female** |
| 0-1 | 11 | 12 | 00 | 01 | 08 | 09 |
| 2-5 | 87 | 66 | 61 | 53 | 92 | 37 |
| 6-10 | 55 | 62 | 23 | 19 | 42 | 40 |
| 11-15 | 18 | 21 | 07 | 04 | 15 | 16 |
| 16-20 | 25 | 24 | 03 | 05 | 12 | 07 |
| 21-25 | 42 | 30 | 05 | 06 | 04 | 03 |
| 26-30 | 38 | 27 | 02 | 01 | 02 | 05 |
| 31-35 | 42 | 26 | 06 | 02 | 10 | 02 |
| 36-40 | 37 | 33 | 03 | 03 | 07 | 05 |
| 41-45 | 45 | 24 | 10 | 05 | 08 | 04 |
| 46-50 | 40 | 33 | 05 | 08 | 06 | 07 |
| 51-55 | 38 | 42 | 20 | 11 | 08 | 07 |
| 56-60 | 30 | 33 | 13 | 12 | 06 | 09 |
| 61-65 | 59 | 38 | 39 | 20 | 08 | 08 |
| 66-70 | 54 | 29 | 42 | 28 | 16 | 07 |
| 71-75 | 48 | 17 | 35 | 18 | 10 | 05 |
| 76-80 | 38 | 11 | 33 | 15 | 12 | 03 |
| 81-85 | 16 | 05 | 10 | 04 | 08 | 01 |
| 86-90 | 05 | 01 | 06 | 00 | 02 | 01 |
| 91+ | 01 | 00 | 00 | 01 | 00 | 00 |
| **Total** | **729** | **514** | **323** | **216** | **276** | **176** |
| **1243** | | **539** | | **452** | |

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

1. **Implantable Hearing Devices Unit**

|  |  |
| --- | --- |
| **Implantable Hg. Devices Unit** | |
| **No. of cases seen** | **19** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 03  01  15 |
|  |
| **No. of switch on** | **0** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 0  0  0 |
| **No. of sessions** | **20** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 04  01  15 |
| **Mapping for CI** | **16** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 02  01  13 |
| **Troubleshooting CI devices** | **04** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 02  02 |
| **Counselling for CI clients** | **20** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 04  01  15 |
| No. of students | 05 |

1. **Listening Training Unit**

|  |  |  |  |
| --- | --- | --- | --- |
| **Listening Training Unit** | | **Class** | **LTU** |
| Clients seen | 305 | C4D2 | 00 |
| Sessions taken | 1420 | DHLS | 01 |
| Clients for whom demo therapy given | 19 | Dip in HA Repair & EM Tech. | 00 |
| New clients | 22 | DTYDH | 00 |
| Repeat clients | 283 | I BASLP | 10 |
| Clients discharged | 09 | II B.Sc. (Speech & Hearing) | 28 |
| Clients discontinued | 10 | III B.Sc. (Speech & Hearing) | 30 |
| Clients given training in Hindi | 34 | AIISH Interns | 13 |
| Clients with CI trained | 64 | External Interns [ENT] | 00 |
| Sessions for clients with CI taken | 453 | I M.Sc. (Audiology) | 27 |
| Clients with tinnitus attended therapy | 04 | II M.Sc. (Audiology) | 28 |
| Sessions for clients with tinnitus | 03 | B.S.Ed. (HI) | 00 |
| Clients with ANSD | 00 | M.S. Ed. (HI) | 00 |
| Sessions for clients with ANSD | 00 | D.Ed. [HI,GTTCHH, Mysuru] External | 00 |
| Clients with CAPD | 00 |  |  |
| Sessions for clients with CAPD | 00 |  |  |
| Clients for observation for HAT | 00 |  |  |
| Total No. of Students posted | 137 |  |  |

**3. Audiology – OPD**

**Cases seen – 1448 Not reported – 06**

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

***Certificates Issued***

|  |  |
| --- | --- |
| Financial aid (pension of GOK) | 160 |
| Admission to regular school | 08 |
| Admission to deaf school | 01 |
| Physically handicapped | 07 |
| Tax exemption | 01 |
| Education scholarship | 00 |
| Driving license | 00 |
| LIC | 00 |
| CI | 15 |
| Estimation letter for hearing aids | 30 |
| Reimbursement letters | 00 |
| Certificate issued at camp | 00 |
| **Total** | **222** |

**PUBLIC EDUCATION AND OUTREACH SERVICES /** सार्वजनिकशिक्षा और आउटरीचसेवाएं

1. **Communication Disorders Screening Camps :** Nil

**(**Details such as **v**enue, Staff deputed, No. of clients seen,

Assessment & Rehabilitation Details)

1. **Other Outreach Services :** Nil
2. **Public lecture series :** Nil

**Technological consultancy services/**तकनीकीपरामर्शसेवाएं : Nil

**Awards and honors /** पुरस्कारऔरसम्मान : 2

**received by Faculty and Staff**

**Extra curricular activities /** पाठ्येतरगतिविधियां : Nil

**Major events/**प्रमुखईवेंट : Nil

(A brief note in not more than five sentences about

each activity/event)

**Visitors/**आगंतुकों- **Any other/**कोईदूसरा : **Nil**

1. Additional Services (Academic/Administrative) : Nil

Rendered by the Faculty and Staff

ii) Others

|  |  |  |
| --- | --- | --- |
| **Feedback in**  **February 2019** | | **Total: 25**  Very Good : 17 Good : Nil Satisfactory : 04 Not satisfied : 04 |
| **In-house workshop** | * Nil |

Dr. Asha Yathiraj, Served as the resource person in National Seminar on “Candidacy and mapping issues in cochlear anomalies and cochlear nerve defects” and delivered lectures on “Candidacy for cochlear implant in children” and “Mapping issues in special cases” organized by the Department of Audiology, AIISH, Mysore on 11.02.2019.

Dr. Asha Yathiraj, Served as the resource person in National Seminar on “Outcome measures of cochlear implant and delivered lectures on “Need for measuring outcome in cochlear implant” organized by the Department of Audiology, AIISH, Mysore on 12.02.2019.

Dr. Asha Yathiraj, Served as the resource person in National Seminar on “Listening training for individuals with hearing impairment” and delivered a lecture on “Pre-requisites and strategies for listening training” organized by the Department of Audiology, AIISH, Mysore on 13.02.2019.

Dr. Asha Yathiraj, Served as the organized from 11.02.2019 to 13.02.2019 in the following seminars / workshops:-

1. National Seminar on “Candidacy and mapping issues in cochlear anomalies and cochlear nerve defects.
2. National Seminar on “Need for measuring outcome in cochlear implant”
3. National workshop on “Listening training for individuals with hearing impairment.

Received the Dr. N. R. Chaudhary Memorial Award for Best paper in Audiology titled “Sensitivity and specificity of Temporal Ability Screening Test (TAST) in older adults at the 51st National Conference of Indian Speech and Hearing Association held at Bengaluru from 8th to 10th February 2019.

**Dr. Manjula** served as the resource person in National Seminar on “Candidacy and mapping issues in cochlear anomalies and cochlear nerve defects” and delivered lectures on “Candidacy for cochlear implant in adults” and “Overview on Mapping cochlear implant organized by the Department of Audiology, AIISH Mysore on 11.02.2019.

**Dr. Chandni** Jain served as the resource person in National Seminar on “Outcome measures of cochlear implant” and delivered lectures on “Methods to assess outcome in adults (Behavioral)” organized by the Department of Audiology, AIISH Mysore on 12.02.2019.

**Dr. Devi** served as the resource person in National workshop on “Listening training for individuals with hearing impairment” and delivered lecture on “Listening training for adults” organized by the Department of Audiology, AIISH Mysore from 12.02.2019.to 13.02.2019.

Ms. Megha served as the resource person in National workshop on “Listening training for individuals with hearing impairment” and delivered lecture on “Identify listening strategies and critical evaluation of the therapy videos of young children” and “Identify listening strategies and critical evaluation of the therapy videos of older children” organized by the Department of Audiology, AIISH Mysore from 12.02.2019.to 13.02.2019.

Mr. Jawahar Antony served as the resource person in National workshop on “Listening training for individuals with hearing impairment” and delivered lecture on “Identify listening strategies and critical evaluation of the therapy videos of young children” and “Identify listening strategies and critical evaluation of the therapy videos of older children” organized by the Department of Audiology, AIISH Mysore from 12.02.2019.to 13.02.2019.

Ms. Jyothi Antony served as the resource person in National workshop on “Listening training for individuals with hearing impairment” and delivered lecture on “Identify listening strategies and critical evaluation of the therapy videos of young children” and “Identify listening strategies and critical evaluation of the therapy videos of older children” organized by the Department of Audiology, AIISH Mysore from 12.02.2019.to 13.02.2019.

Dr. Asha Yathiraj

Dr. Asha Yathiraj served as the resource person in National conference on “Cognition, Hearing and Speech-Language Processing” held on 1st and 2nd March 2019 at JSS Institute of Speech and Hearing, Mysuru.

**ÌuÉpÉÉaÉÉkrÉ¤É-AÉäÌQûrÉÉåsÉeÉÏ /HOD – Audiology**

अखिल भारतीय वाक श्रवण संस्थान, मैसूर - 6

All India Institute of Speech and Hearing, Mysuru - 6

श्रवण विज्ञान विभाग, Department of Audiology

**मासिक रिपोर्ट - फ़ॆब्रवरि 2019**

**MONTHLY REPORT - *FOR THE MONTH OF FEBRUARY 2019***

**Monthly Statistics (From 1stto 28th February 2019)**

**ACADEMIC ACTIVITIES/ शैक्षणिक गतिविधियों**

1. **Short-term Training / Orientation Programs : Nil**

**Orientation Programs organized : Nil**

1. **In-house Training / Staff enrichment program : 01**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Date** | **Topic** | **Presenter** | **Co-ordinator** |
| 1 | 06.02.2019 | Livio AI hearing aid | Ms. Shezeen | HOD-Audiology |

**Clinical Observation postings of students from other Institutes : Nil**

1. **Seminars / Conferences / Workshops**
2. **Organized : Nil**
3. **Attended :** Nil

Within AIISH : Nil

Outside AIISH : Nil

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Name** | **Title of the program** | **Venue** | **Date** |
| 1 | Dr. Asha Yathiraj | **Decision on early referral for Cochlear Implants in those with congenital neonatal hearing loss’** | Mysuru | 18th November |
| 2 | Dr. Chandni Jain | **Hearing Loss -**Definition, Characteristics, identification and strategies | ZEIT, KV, Mysore | KV, 27/11/18 |

1. **Guest lectures/Invited talks**
2. Attended : Nil
3. Organized : Nil
4. **Invited talks delivered by the Staff**
5. Within AIISH : Nil
6. Outside AIISH : Nil
7. **Service in Academic bodies of other organization :** Nil

(Name of the organization, role, tenure)

1. **Participation in Committees/Taskforces & Panels set-up by :** Nil

**other organizations/agencies** (Name of the committee, organization,

purpose, role, tenure)

**RESEARCH ACTIVITIES/** अनुसंधानगतिविधियाँ

**Funded Research Projects**

1. **Completed Projects : Intra-mural -** Nil
2. **Completed Projects : Extramural Projects –** Nil
3. **On going Research project : Intra-mural- 7 (2017-18)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| 1 | 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 |
| 2 | Auditory processing in children with speech sound disorders | To assess auditory processing in children with speech sound disorders | Dr. Chandni Jain-PI  Ms. Priya M.B.-CI | ARF | 5.25 |
| 3 | Relationship between hearing aid benefit and auditory processing abilities in elderly individuals with hearing impairment | Helps in modifying the protocol of hearing aid fitting 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 |
| 4 | Auditory temporal processing in older Adults: Behavioral and Electrophysiolo-gical 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 |
| 5 | 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 audiology students on the usefulness of the developed software. | Dr. Hemanth N.-PI  Dr. Manjula P.-CI | ARF | 8.74 |
| 6 | The Genetics of Sensorineural Hearing Loss | To carryout the segregation analysis in the parents and siblings for identified 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 |
| 7 | Prevalence of Parental Consanguinity in Children with Communication Disorders a Survey based Study | To study the prevalence of communication disorders in Dharwad district. | Mr. Sreeraj K. & -PI  Dr. Jijo P.M. | ARF | 5.14 |

1. **New research project initiated : Extramural - 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Title** | **Investigators** | **Funding source** | **Grant amount** |
| **1** | Auditory and cognitive consequences of dys-synchronours auditory nerve activity. | PI-Dr. Ajith Kumar U.  CI-Dr. Sandeep M. | DST | 44,00,000 |
| **2** | Neuro-audiological profiling of children with special language impairment | PI-Dr. Animesh Barman&  Dr. Swapna N  CI-Dr. Prashanth Prabhu | DST | 33,88,200 |
| **3** | Auditory and cognitive consequences of dys-synchronous auditory nerve activity | PI-Dr. Ajith Kumar U. | DST | 33,28,400 |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **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 |
|  | Development of standardization of questionnaire to assess the outcome in adult hearing aid users | To develop questionnaire in order 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 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 |
|  | 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 integration | 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 |
|  | Effect of Cochlear implantation and surgery technique on cervical vestibular evoked myogenic potential | To study the different surgical technique on vestibular evoked myogenic potentials. | Mr. Sachchidanand Sinha  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 low frequency range word lists in Malayalam | To determine the speech identification scores in individuals with predominantly low frequency hearing loss | Mr. Prashanth Prabhu | ARF | 4.93 |

1. **Ongoing research project : Extramural-3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **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 | PI: Dr. Rajalakshmi K. | DST | 35.29 |
| 2. | Auditory processing and auditory cognitive measures in carriers of mutated genes that cause hearing loss | PI: Dr. Sandeep M.  CI: Dr. Santhosh M. | DST  (3 years) | 47.52 |
| 3. | Efficacy of computer based training module on auditory and cognitive skills in children with central auditory processing disorders | PI: Dr. Prawin Kumar  CI: Dr. Niraj Kumar Singh | DST  (3 years) | 28.49 |

1. **Doctoral and Post-Doctoral Programs**
2. **Degree Awarded (for the current month) : 2**
3. **Under Progress : 26**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Name** | **Topic** | **Guide / Co-guide** |
|  | Megha | Auditory cognitive and neuro-physio -logical basis of hearing aid acclimatization | Dr. Sandeep M.  **Guide** |
|  | Priyanka V | Temporal processing abilities audi -tory working memory and speech perception in noise in vocal musicians, violinists and non-musicians | Prof. Rajalakshmi K.  **Guide** |
|  | Srikar V | Auditory continuity and perceptual restoration of speech in noise-relationship with speech intelligibility in individuals with normal hearing and cochlear hearing loss | Dr. Animesh Barman  **Guide** |
|  | Arunraj K | Clinical validation of Wide band absorbance Tympanometry in detecting middle ear disorders | Prof. Animesh Barman  **Guide** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Name** | **Topic** | **Guide / Co-guide** |
|  | 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  **Guide** |
|  | 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  **Guide** |
|  | Mamatha N.M | Effect of auditory processing abilities on academic performance in Kannada speaking primary school children | Prof. Asha Yathiraj  **Guide** |
|  | Anu Prasad | Auditory processing in children with benign epilepsy with centro temporal spikes/rolandic epilepsy | Prof. Rajalakshmi K  **Guide** |
|  | Prajna Nayak | Fundamental frequency (f0) encoding and speech perception in noise | Prof. Rajalakshmi K  **Guide** |
|  | Vignesh S.S. | Evaluation of brainstem functions in multiple sclerosis using auditory vestibular test battery | Prof. Rajalakshmi K  **Guide** |
|  | Dhanya M | Perceptual cues of Co-articulation in Malayalam in Normal Hearing and Hearing impaired individuals | Dr. Sandeep M  **Guide** |
|  | Rakesh Gatla | Auditory processing and speech perception abilities in carriers of mutated genes that cause hearing loss (Tentative) | Dr. Sandeep M  **Guide** |
|  | Yashashwini L | Categorical perception and processing of speech and music stimuli in individuals with and without music training (Tentative) | Dr. Sandeep M  **Guide** |
|  | Darga Baba Fakaruddin | Effect of Age, Hearing Loss and Working Memory on Speech Recognition in Naïve Hearing aid Users. | Prof. Rajalakshmi K  **Guide** |
|  | Vikas M.D. | Effects of temporal resolution, working memory and personality on benefit of hearing aids in older adults | Dr. Manjula P.  **Guide** |
|  | Anoop B. J. | Cognitive and ERP measures of informational masking in young and elderly normal hearing individuals | Dr. Ajith Kumar U.  **Guide** |
|  | ShubhaTak | Loudness perception in children using hearing aids and children using cochlear implant | Dr. AshaYathiraj  **Guide** |
|  | Shreyaank | Comparison of contralateral suppression of otoacoustic emission between children with APD and children with ADHD | Dr. AshaYathiraj  **Guide** |
|  | Shailaja Shukla | Cognitive Linguistic Processing in Typically Aging Kannada speaking individuals | Dr. Manjula P.  **Co-Guide** |
|  | Priyanka Jaisinghani | Joined on 28.04.18 | Dr. Manjula P.  **Guide** |
|  | Sreena E N | Joined on 28.04.18 | Dr. Manjula P.  **Guide** |
|  | Sahana V | Joined on 28.04.18 | Dr. Ajith Kumar U  **Guide** |
|  | Jim Saroj Winston | Joined on 28.04.18 | Dr. Ajith Kumar U  **Guide** |
|  | Priyadharshini K. | Joined on 28.04.18 | Dr. Ajith Kumar U  **Guide** |

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No.** | **Name** | **Topic** | **Guide / Co-guide** |
|  | Ms Reesha | Joined on 28.04.18 | Dr. Prawin Kumar **Guide** |
|  | Ms. Merin Mathews | Joined on 28.04.18 | Dr. Rajalakshmi K.**Guide** |

1. **PG Dissertations**
2. **Completed : Nil**
3. **Under progress : 36**
4. **Research Paper Publications / Presentations**

**Papers presented at 51st ISHCON - held at Bengaluru from 8th to 10th February 2019**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Title of the presentation** | **Authors** |
| 1 | Sensitivity and Specificity of â€˜Temporal Ability Screening Testâ€™ (TAST) in older adults | Asha Yathiraj, Vanaja C.S. |
| 2 | Comparison of syllabic and dual compression Hearing Aid Processed Malayalam Chimeric Sentences | Udhayakumar R, Devi N |
| 3 | Identifying the Safe Stimulus Intensity for Cervical Vestibular-Evoked Myogenic Potentials | Niraj Kumar, Nainitha K K, Prawin kumar |
| 4 | Otolith and Semicircular canal function in individuals with calcium homeostasis dysfunction | Raghav Jha, Prawin Kumar, Aditi Gargeshwari, Niraj Kumar |
| 5 | Auditory Neural Correlates of Spatial Training in Listeners with Sensorineural Hearing Impairment: A High Density Electroencephalography Study | Nisha KV, Ajith Kumar |
| 6 | Frequency discrimination task in game format to treat tinnitus | Hemanth N |
| 7 | Effect of occupational noise on audiometric thresholds in industrial workers | Akshatha Yogendra, Prawin Kumar, Swapna N, Animesh Barman, Arun raj K |
| 8 | Prevalence of hearing impairment and risk factors in newborns under neonatal hearing screening program in southern city of Karnataka | Nayana M, Tejaswini Shambhu, Arunraj K, Swapna N, Prawin Kumar |
| 9 | Indications of Hidden Hearing Loss in subjects with â€˜normalâ€™ hearing exposed to occupational noise | Srikar Vijayasarathy, Meghana Mohan, Pratibha Nagalakshmi N G, Animesh Barman |
| 10 | Evaluation of difference limen for frequency, intensity and duration in individuals with visual impairment | Alka C K, Monam Sinha, Ardra K, Prashanth Prabhu P |

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Title of the presentation** | **Authors** |
| 11 | SPIN-K in Non-Native Kannada speakers: Comparison of Native Hindi and Malayalam Speakers who are Non-native Kannada Speakers | Amrutha Varshini B, Slesha Jain, Asha Yathiraj |
| 12 | Audio-Vestibular Findings In An Adult With Arnold Chiari Malformation | Anu Sara Anish, Devika Vijayan, Annika Shiju, Rama Devi S, Shanthala S P, Prashanth Prabhu P |
| 13 | Assessment Of Binaural Integration Abilities In Individuals With Visual Impairment | Ardra K, Monam Sinha, Alka C K, Prashanth Prabhu P |
| 14 | Test retest reliability of contralateral suppression of distortion product otoacoustic emission fine structure in individuals with normal hearing. | Biswajit Pradhan, Prawin Kumar, Reesha O. Abdul Hussain |
| 15 | Perception of Speech In Presence of Noise on Native And Non-Native Listeners | Durga S Kumar, Aparna U, Reesha O.Abdul Hussain, Prawin Kumar |
| 16 | Medial olivocochlear functioning and speech perception in noise in Polycystic ovary syndrome (PCOS) | Durga S Kumar, Saranya M, Devi N, Chandni Jain |
| 17 | Effect of Varying the Interstimulus Interval on Multi Frequency Auditory Brainstem Response | Ehteshaam Anwar Hussein, Sandeep Maruthy |
| 18 | The role of mocb in central auditory processing | Haripriya T, Gopika Vinod, Hiba Sherin, Indira C P, Sandeep Maruthy |
| 19 | Does martial art training improve binaural integration? Â€“ a preliminary study | Hrishitha V M, Neha Mansoor Ali, Vibhuti Sharma, Jeslin Jose, Prashanth Prabhu P |
| 20 | Age related changes in Inter-frequency Amplitude Ratio of Ocular Vestibular-Evoked Myogenic Potentials | Husna Firdose, Niraj Kumar Singh |
| 21 | Performance intensity function of speech perception in noise- the effects of linguistic redundancy and hearing loss | Indira C P, Sandeep Maruthy |
| 22 | Distortion product otoacoustic emissions input output function in individuals with and without musical abilities | Kavitha G S, Madhumanti Chakraborty, Devi N, Prashanth Prabhu P |

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Title of the presentation** | **Authors** |
| 23 | Test retest reliability of various psychoacoustic measures using Maximum Likelihood Procedure | Kirti Joshi, Chandni Jain |
| 24 | Effect of Acoustic Features on Discrimination Ability in Individuals with Auditory Neuropathy Spectrum Disorder: An Electrophysiological and Behavioural Study | Kumari Apeksha, Ajith Kumar |
| 25 | Application of Virtual Acoustic Technology for Auditory Spatial training in listeners with Sensorineural hearing impairment | Nisha K V, Ajith Kumar |
| 26 | Test re-test relaibility of distortion product input-output function â€“ a preliminary study | Ritwik Jargar, Rohit Bhattacharyya, Nethra R, Darshita K, Mesmin Rajkumar, Prashanth Prabhu P |
| 27 | Effect of familiarization to odd ball paradigm task on P300 | Sam Publius, Sandeep Maruthy |
| 28 | Evaluation of auditory stream segrgation through profile analysis in children with abacus training | Shreya Sivaramakrishnan, Malavika Puthiyadam, Indira V, Pooja SV, Prashanth Prabhu P |
| 29 | Contralateral suppression of TEOAEs using Global and Half-octave bands: Comparison of Reliability in Children and Adults | Shreyank P. Swamy, Asha Yathiraj |
| 30 | Estimation of gap detection thresholds in adults using cortical auditory evoked potentials | Srikanth Nayak |
| 31 | Relationship between Temporal processing and Phonological awareness in Children with Speech Sound Disorders | Chandni Jain, Priya M B, Kirti Joshi |
| 32 | Temporal Resolution: Behavioural measure and its Neural Correlates in Individuals with Normal Hearing Sensitivity | Varsha M Athreya, Animesh Barman |

1. **Research Papers Published**

**In-house publications :** Nil

**National Publications :** Nil

**International Publications :** Nil

1. Papers published in conference / Seminar Proceedings : Nil
2. Books/Book chapters published : Nil
3. Books/Manuals/Seminar Proceedings edited : Nil
4. Scholarly Reviewing Activities : Nil
5. Journal Editorship

**Dr. Asha Yathiraj**

Editorial Board Member of AYJNISHD-Journal of Cochlear Implant

**Dr. Manjula P.**

Associate Editor (Hearing)-JAIISH

**Dr. Ajith Kumar U.**

Editor of American Journal of Audiology

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Editor of American Journal of Audiology

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Editor-JISHA

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Editorial panel member of an International Journal titled ‘EC Neurology’

**Dr. Hemanth N.**

International editorial reviewer board of Journal of Audiology and Otology

**Dr. Sharath Kumar**

Assistant Editor of JAIISH

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

February 2019 (27.02.2019 - 26.03.2019)

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
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| 1. **Hearing Evaluation**  |  |  | | --- | --- | | **Clients seen in OPD** | | | Clients seen at JC block |  | | Clients seen in camps | **1243** | | ***Ears with diff degrees of HL*** |  | | ·  Normal hearing | 239 | | ·  Minimal | 112 | | ·  Mild | 92 | | ·  Moderate | 91 | | ·  Moderately severe | 75 | | ·  Severe | 95 | | ·  Profound | 135 | | . Minimal to mild | 01 | | . Mild to moderate | 06 | | . Moderate to moderately severe | 15 | | . Moderately severe to severe | 09 | | . Severe to profound | 25 | | . Moderate to severe | 01 | | . Sloping | 100 | | ***Ears tested having*** | | | . Conductive hearing | 214 | | . Mixed hearing loss | 336 | | . SN hearing loss | 623 | | Clients with unil HL | 111 | | Clients with bil HL | 968 | | Ears with Aud. Dys-synchrony | 08 | | Clients with APD | 02 | | Clients with Funl HL | 13 | | Clients - tinnitus evaln | 25 | | Clients for PTA | 1183 | | Clients for Sp. Aud. | 1195 | | Clients for Immitt. evln | 1206 | | Clients for OAE | 426 | | Clients for ABR | 347 | | Clients for VEMP | 49 | | Clients for VHIT | 16 | | Clients for BOA | 42 | | Clients for VRA | 18 | | Clients for LLR | 00 | | Behavioral vestibular assessment | 18 | | 1. **Hearing Aid Trial**  |  |  |  | | --- | --- | --- | | **Hearing Aid Trial** | | | | No. of clients seen for HAT | **539** | | | No. of clients seen at camp | **-** | | | No. of HA’s prescribed at camp | - | | | No. of HA’s issued at camp | - | | | HA’s prescribed at AIISH | 381 | | | . Body level hearing aids | 30 | | | ·    Analogue BTE | 14 | | | ·    Digital BTE | 287 | | | ·    Trimmer Digital BTE | 03 | | | . Mini BTE | 00 | | | ·    Digital ITE | 00 | | | ·    Digital ITC | 02 | | | ·    Digital CIC | 04 | | | . Digital RIC | 41 | | | Testing for CI candidacy | 01 | | | **No. of clients recommended** | | | | ·    Auditory training | | 94 | | ·    Speech reading | | 11 | | HA prescribed on exchange | | 00 | | Aided audiograms | | 94 | | Aided audiogram for CI | | 13 | | BOA | | 09 | | VRA | | 12 | | Conditioning | | 94 | | Programming of digital HA | | 251 | | Reprogramming of HA | | 110 | | No. of IGO done | | 00 | | EAC of hearing aids done | | 02 | | Retrial with CEM | | 45 | | Recommended for EPD’s | | 00 | | Unaided & aided LLR done | | 00 | | Rec. for CI candidacy | | 14 |  1. **Counseling and Guidance**  |  |  | | --- | --- | | Total No. of counseled |  | | No. of clients counseled at AIISH | **1782** | | No. of clients counseled at Camps | - | |

1. **Ear moulds**

|  |  |
| --- | --- |
| **Earmould lab** | |
| Clients ear impression taken | |
| * New clients | 181 |
| * Old clients | 271 |
| * Clients seen at camp | 73 |
| **Ear impressions taken** | |
| * Free-of-cost |  |
| * 100% payment | 610 |
| * At camp | 146 |
| * CPL impressions received | 00 |
| EMs completed | 200 |
| No. Mould Lacquered | 55 |
| No. of sound tube issued | 115 |
| Hard regular moulds | 82 |
| Hard shell mould made | 00 |
| Soft mould made | 488 |
| Hard canal moulds | 00 |
| Soft canal moulds | 01 |
| Instant moulds | 00 |
| Silicon impression taken | 06 |
| Swimmer plug (soft) | 03 |
| Swimmer plug (hard) | 00 |
| No. of ear blocked | 06 |
| No. of sound tube replaced | 115 |
| EMs with acoustics modifications. | 01 |
| No. of students posted | 39 |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **State-wise statistics** | | | **Revenue** | | |
| **Sl. No** | **States** | **Statistics** | **Sl. No.** | **Details** | **Amount** |
| 1 | Andhra Pradesh | 15 | 1 | Spares | 8600.00 |
| 2 | Karnataka | 317 | 2 | Post | 300.00 |
| 3 | Kerala | 50 | 3 | Making ear moulds | 147645.00 |
| 4 | Tamil Nadu | 51 | **Total Revenue** | | **156545.00** |
| 5 | Telangana | 03 |
| 6 | Others | 16 |

**Students posted**

|  |  |  |
| --- | --- | --- |
| **Sl. No.** | **Students** | **Statistics** |
| 1 | DHA&ET | 08 |
| 2 | DHLS | 00 |
| 3 | III B.Sc | 11 |
| 4 | Interns | 13 |
| 5 | II M.Sc. | 06 |
| 6 | Visitors PG-ENT | 01 |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age**  **group**  **years** | **Hearing**  **Evaluation** | | **Hearing Aid**  **Trial** | | **Ear moulds** | |
| **Male** | **Female** | **Male** | **Female** | **Male** | **Female** |
| 0-1 | 11 | 12 | 00 | 01 | 08 | 09 |
| 2-5 | 87 | 66 | 61 | 53 | 92 | 37 |
| 6-10 | 55 | 62 | 23 | 19 | 42 | 40 |
| 11-15 | 18 | 21 | 07 | 04 | 15 | 16 |
| 16-20 | 25 | 24 | 03 | 05 | 12 | 07 |
| 21-25 | 42 | 30 | 05 | 06 | 04 | 03 |
| 26-30 | 38 | 27 | 02 | 01 | 02 | 05 |
| 31-35 | 42 | 26 | 06 | 02 | 10 | 02 |
| 36-40 | 37 | 33 | 03 | 03 | 07 | 05 |
| 41-45 | 45 | 24 | 10 | 05 | 08 | 04 |
| 46-50 | 40 | 33 | 05 | 08 | 06 | 07 |
| 51-55 | 38 | 42 | 20 | 11 | 08 | 07 |
| 56-60 | 30 | 33 | 13 | 12 | 06 | 09 |
| 61-65 | 59 | 38 | 39 | 20 | 08 | 08 |
| 66-70 | 54 | 29 | 42 | 28 | 16 | 07 |
| 71-75 | 48 | 17 | 35 | 18 | 10 | 05 |
| 76-80 | 38 | 11 | 33 | 15 | 12 | 03 |
| 81-85 | 16 | 05 | 10 | 04 | 08 | 01 |
| 86-90 | 05 | 01 | 06 | 00 | 02 | 01 |
| 91+ | 01 | 00 | 00 | 01 | 00 | 00 |
| **Total** | **729** | **514** | **323** | **216** | **276** | **176** |
| **1243** | | **539** | | **452** | |

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

1. **Implantable Hearing Devices Unit**

|  |  |
| --- | --- |
| **Implantable Hg. Devices Unit** | |
| **No. of cases seen** | **19** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 03  01  15 |
|  |
| **No. of switch on** | **0** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 0  0  0 |
| **No. of sessions** | **20** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 04  01  15 |
| **Mapping for CI** | **16** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 02  01  13 |
| **Troubleshooting CI devices** | **04** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 02  02 |
| **Counselling for CI clients** | **20** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 04  01  15 |
| No. of students | 05 |

1. **Listening Training Unit**

|  |  |  |  |
| --- | --- | --- | --- |
| **Listening Training Unit** | | **Class** | **LTU** |
| Clients seen | 305 | C4D2 | 00 |
| Sessions taken | 1420 | DHLS | 01 |
| Clients for whom demo therapy given | 19 | Dip in HA Repair & EM Tech. | 00 |
| New clients | 22 | DTYDH | 00 |
| Repeat clients | 283 | I BASLP | 10 |
| Clients discharged | 09 | II B.Sc. (Speech & Hearing) | 28 |
| Clients discontinued | 10 | III B.Sc. (Speech & Hearing) | 30 |
| Clients given training in Hindi | 34 | AIISH Interns | 13 |
| Clients with CI trained | 64 | External Interns [ENT] | 00 |
| Sessions for clients with CI taken | 453 | I M.Sc. (Audiology) | 27 |
| Clients with tinnitus attended therapy | 04 | II M.Sc. (Audiology) | 28 |
| Sessions for clients with tinnitus | 03 | B.S.Ed. (HI) | 00 |
| Clients with ANSD | 00 | M.S. Ed. (HI) | 00 |
| Sessions for clients with ANSD | 00 | D.Ed. [HI,GTTCHH, Mysuru] External | 00 |
| Clients with CAPD | 00 |  |  |
| Sessions for clients with CAPD | 00 |  |  |
| Clients for observation for HAT | 00 |  |  |
| Total No. of Students posted | 137 |  |  |

**3. Audiology – OPD**

**Cases seen – 1448 Not reported – 06**

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

***Certificates Issued***

|  |  |
| --- | --- |
| Financial aid (pension of GOK) | 160 |
| Admission to regular school | 08 |
| Admission to deaf school | 01 |
| Physically handicapped | 07 |
| Tax exemption | 01 |
| Education scholarship | 00 |
| Driving license | 00 |
| LIC | 00 |
| CI | 15 |
| Estimation letter for hearing aids | 30 |
| Reimbursement letters | 00 |
| Certificate issued at camp | 00 |
| **Total** | **222** |

**PUBLIC EDUCATION AND OUTREACH SERVICES /** सार्वजनिकशिक्षा और आउटरीचसेवाएं

1. **Communication Disorders Screening Camps :** Nil

**(**Details such as **v**enue, Staff deputed, No. of clients seen,

Assessment & Rehabilitation Details)

1. **Other Outreach Services :** Nil
2. **Public lecture series :** Nil

**Technological consultancy services/**तकनीकीपरामर्शसेवाएं : Nil

**Awards and honors /** पुरस्कारऔरसम्मान : 2

**received by Faculty and Staff**

**Extra curricular activities /** पाठ्येतरगतिविधियां : Nil

**Major events/**प्रमुखईवेंट : Nil

(A brief note in not more than five sentences about

each activity/event)

**Visitors/**आगंतुकों- **Any other/**कोईदूसरा : **Nil**

1. Additional Services (Academic/Administrative) : Nil

Rendered by the Faculty and Staff

ii) Others

|  |  |  |
| --- | --- | --- |
| **Feedback in**  **February 2019** | | **Total: 25**  Very Good : 17 Good : Nil Satisfactory : 04 Not satisfied : 04 |
| **In-house workshop** | * Nil |

Dr. Asha Yathiraj, Served as the resource person in National Seminar on “Candidacy and mapping issues in cochlear anomalies and cochlear nerve defects” and delivered lectures on “Candidacy for cochlear implant in children” and “Mapping issues in special cases” organized by the Department of Audiology, AIISH, Mysore on 11.02.2019.

Dr. Asha Yathiraj, Served as the resource person in National Seminar on “Outcome measures of cochlear implant and delivered lectures on “Need for measuring outcome in cochlear implant” organized by the Department of Audiology, AIISH, Mysore on 12.02.2019.

Dr. Asha Yathiraj, Served as the resource person in National Seminar on “Listening training for individuals with hearing impairment” and delivered a lecture on “Pre-requisites and strategies for listening training” organized by the Department of Audiology, AIISH, Mysore on 13.02.2019.

Dr. Asha Yathiraj, Served as the organized from 11.02.2019 to 13.02.2019 in the following seminars / workshops:-

1. National Seminar on “Candidacy and mapping issues in cochlear anomalies and cochlear nerve defects.
2. National Seminar on “Need for measuring outcome in cochlear implant”
3. National workshop on “Listening training for individuals with hearing impairment.

Received the Dr. N. R. Chaudhary Memorial Award for Best paper in Audiology titled “Sensitivity and specificity of Temporal Ability Screening Test (TAST) in older adults at the 51st National Conference of Indian Speech and Hearing Association held at Bengaluru from 8th to 10th February 2019.

**Dr. Manjula** served as the resource person in National Seminar on “Candidacy and mapping issues in cochlear anomalies and cochlear nerve defects” and delivered lectures on “Candidacy for cochlear implant in adults” and “Overview on Mapping cochlear implant organized by the Department of Audiology, AIISH Mysore on 11.02.2019.

**Dr. Chandni** Jain served as the resource person in National Seminar on “Outcome measures of cochlear implant” and delivered lectures on “Methods to assess outcome in adults (Behavioral)” organized by the Department of Audiology, AIISH Mysore on 12.02.2019.

**Dr. Devi** served as the resource person in National workshop on “Listening training for individuals with hearing impairment” and delivered lecture on “Listening training for adults” organized by the Department of Audiology, AIISH Mysore from 12.02.2019.to 13.02.2019.

Ms. Megha served as the resource person in National workshop on “Listening training for individuals with hearing impairment” and delivered lecture on “Identify listening strategies and critical evaluation of the therapy videos of young children” and “Identify listening strategies and critical evaluation of the therapy videos of older children” organized by the Department of Audiology, AIISH Mysore from 12.02.2019.to 13.02.2019.

Mr. Jawahar Antony served as the resource person in National workshop on “Listening training for individuals with hearing impairment” and delivered lecture on “Identify listening strategies and critical evaluation of the therapy videos of young children” and “Identify listening strategies and critical evaluation of the therapy videos of older children” organized by the Department of Audiology, AIISH Mysore from 12.02.2019.to 13.02.2019.

Ms. Jyothi Antony served as the resource person in National workshop on “Listening training for individuals with hearing impairment” and delivered lecture on “Identify listening strategies and critical evaluation of the therapy videos of young children” and “Identify listening strategies and critical evaluation of the therapy videos of older children” organized by the Department of Audiology, AIISH Mysore from 12.02.2019.to 13.02.2019.

Dr. Asha Yathiraj

Dr. Asha Yathiraj served as the resource person in National conference on “Cognition, Hearing and Speech-Language Processing” held on 1st and 2nd March 2019 at JSS Institute of Speech and Hearing, Mysuru.

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Dr. Asha Yathiraj

Dr. Asha Yathiraj served as the resource person in National conference on “Cognition, Hearing and Speech-Language Processing” held on 1st and 2nd March 2019 at JSS Institute of Speech and Hearing, Mysuru.

Dr. Asha Yathiraj served as a resource person for sharing her precious time and experience with **National Service Scheme**, AIISH, Mysuru on 25.03.2019.