**अखिल भारतीय वाक श्रवण संस्थान, मैसूर - 06**

**All India Institute of Speech and Hearing, Mysuru - 06**

**श्रवण विज्ञान विभाग, Department of Audiology**

**मासिक रिपोर्ट–जुलाई, 2020**

**MONTHLY REPORT - FOR THE MONTH OF JULY, 2020**

**Monthly Statistics (From 01.07.2020 to 31.07.2020)**

1. **ACADEMIC ACTIVITIES/ शैक्षणिकगतिविधियों**
2. **Short-term Training / Orientation Programs :** Nil i) **Orientation Programs organized :** Nil
3. **Clinical Observation postings of students from other Institutes :** Nil

**P.G. ENT students postings in Audiology Department for the**

**Month of JULY 2020**

1. **Seminars / Conferences / Workshops :** 02

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Theme or topic** | **Target Audience** | **Coordinators** | **Date** |
| 1. | Assessment and management of BPPV | 3rd years B.ASLP & 1st year M.Sc.-Audiology | Resource persons:   1. Dr.Niraj Kumar Singh 2. Dr. Sujeet Kumar Sinha   Coordinators:   1. Dr. Niraj Kumar Singh 2. Dr. Jithin Raj B   Convener: Dr. Prawin Kumar | July 23-24, 2020 |
| 2. | Recent updates on Advanced Technology of hearing aids programming and fitting | 3rd years B.ASLP & 1st year M.Sc.-Audiology | Resource Persons:   1. Dr. Sharath KS 2. Dr. Sujeet Kumar Sinha 3. Dr. Ramadevi KS 4. Mr. Vikas MD 5. Mr. Jawahar Antony 6. Mr. Darga Baba F   Coordinators:   1. Dr. Sharath KS   Convener: Dr. Prawin Kumar | July 27-28, 2020 |

1. **In-house Training / Staff enrichment program :** Nil
2. **Webinars attended : 19**
3. Within AIISH : 04

|  |  |  |
| --- | --- | --- |
| **Name of staff** | **Title of the webinar** | **Date** |
| Dr. Rajalakshmi K | National Medical Library Webinar | 17.07.2020 |
| Assessment and management of BPPV | 23.07.2020  24.07.2020 |
| Dr. Animesh Barman | Teaching Leisure Skills to Individuals with ASD TCPD Webinar | 13.07.2020 |
| Dr. Prawin Kumar | Assessment and management of BPPV | 23.07.2020 |

1. Outside AIISH : 15

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| --- | --- | --- |
| **Name of staff** | **Title of the webinar** | **Date** |
| Dr.Rajalakshmi | Infection Control in Audiology and Speech language Pathology during COVID 19 Pandemic” organized by Ali Yavar Jung National Institute of Speech and Hearing Disabilities(AYJNISHD), Regional Centre, Kolkata | 17.07.2020 |
| occupational NIHL prevention and hearing conservation | 28.07.2020 |
| Dr.Animesh Barman | Management of ANSD ISHA-SICAG Webinar | 11.07.2020 |
| Advances in Auditory Electrophysiology ISHA-SICAG Webinar | 25.07.2020 |
| Dr. Prawin Kumar | “Management of ANSD" conducted by ISHA-SICAG | 11.07.2020 |
| Expert Speak: Best practices in patient counseling conducted by Cochlear Company | 31.07.2020 |
| Dr. Geetha C | Attended a webinar on “Care Your Way: Programming considerations with Custom Sound’’  organized by cochlear company | 03.07.2020 |
| Attended a webinar on “Recipient-centered CI programming with NFS Touch’’ organized by cochlear company | 17.07.2020 |
| Attended a webinar on ‘Developing Theory of Mind in children with hearing loss” organized by cochlear company | 27.07.2020 |
| Dr.Sreeraj K | Tinnitus and its management for the Enthusiastic and Caring Clinicians; free online workshop | 11.07.2020 |
| Dr.Prashanth Prabhu | Management of ANSD conducted by ISHA SIG | 11.07.2020 |
| Dr. Niraj Kumar Singh | BPPV day conducted by the Audiology-Vestibular Science Academy | 17.07.2020 |
| Otologic Migraine conducted by the Audiology-Vestibular Science Academy | 13.07.2020 |
| Tinnitus workshop conducted by the Audiology-Vestibular Science Academy | 11.07.2020 |
| VAI Global Virtual Summit: An Update on Vestibular System conducted by the International Vestibular Society | 03.07.2020 to 05.07.2020 |

1. **Guest Lectures/Invited talks**

**Invited talks delivered by the Staff**

1. Within AIISH : 01

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **SLNo.** | **Name of the staff** | **Title of the program** | **Topic of the Lecture** | **Date** |
| 1 | Dr. Niraj Kumar Singh | Assessment and management of BPPV | Anatomy and Physiology of Vestibular system: Introduction to BPPV & Pathophysiology of BPPV | 23.07.2020 |
| 2 | Posterior Canal BPPV: Assessment & Management | 23.07.2020 |
| 3 | Differential Diagnosis of BPPV from other causes of positional Vertigo and Nystagmus | 24.07.2020 |
| 4 | Dr. Sujeet Kumar Sinha | Lateral Canal BPPV: Assessment & Management | 23.07.2020 |
| 5 | Anterior Canal BPPV: Assessment & Management | 24.07.2020 |
| 6 | Dr. Prawin  Kumar | Webinar on ‘Recent updates on Advanced technology of hearing aid programming and fitting’ – In house program | Introduction about the Hearing aid Programming Learning: Need & Expected Outcome | 27.07.2020 |
| 7 | Dr. Sharath KS | Orientation and demonstration of different Client Management Data Base software’s and its importance, usefulness in Hearing Aid Programming & Orientation on Global HA manufacturing companies | 27.07.2020 |
| 8 | Dr. Sharath KS | Orientation and demonstration of different Hardware’s used for HA Programming | 27.07.2020 |
| 9 | Dr. Sujeet Kumar Sinha | How to decide about Hearing Aid selection (Model, Design, Features) based on Age, Patient needs (Cosmetic, Listening needs), Hearing loss etc… | 27.07.2020 |
| 10 | Mr. Vikas MD | Orientation and demonstration of Programming Sivantos HA (Audioservice, Rexton), and its programming interface, connectors and accessories | 28.07.2020 |
| 11 | Mr. Jawahar Antony | Orientation and demonstration of Programming GN HA (Resound, Danavox, Beltone, Intertone), and its programming interface, connectors and accessories | 28.07.2020 |
| 12 | Mr. Darga Baba F | Orientation and demonstration of Programming William Demant HA (Oticon, Bernafone), and its programming interface, 8connectors and accessories | 28.07.2020 |
| 13 | Dr. K J Ramadevi  Sreenivas | Orientation and Demonstration of programming of Sonova hearing aids (Phonak) and its programming interface, connectors, and accessories | 28.07.2020 |

1. Outside AIISH : 01.

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| --- | --- | --- | --- | --- | --- |
| **SL.No**. | **Name of the staff** | **Title of the program** | **Topic of the Lecture** | **Venue** | **Date** |
| 1 | Dr. Devi. N | Madras Medical College- Institute for the rehabilitation of Speech and Hearing Handicapped webinar series | 'Tele session on listening activities in children with Hearing impairment' | Webinar – Host Chennai | 28.07.2020 |

1. **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)

1. **RESEARCH ACTIVITIES/** अनुसंधानगतिविधियाँ
2. **Extra Mural Research Projects**
3. **Completed Projects : Extramural –** 00
4. **Ongoing research project : Extramural - 06**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl. No.** | **Title of the Project** | **Investigator** | **Founding source** | **Amount (Lakhs)** |
| 1. | fMRI & ERP evidence for improvement in Audio-visual integration in individuals with ANSD post speech reading training | PI: Dr. Rajalakshmi K. | DST  (3 years) | 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 |
| 4. | Auditory and cognitive consequences of dys-synchronours auditory nerve activity. | PI-Dr. Ajith Kumar U.  CI-Dr. Sandeep M. | DST  (3 Years) | 44.00 |
| 5. | Neuro-audiological profiling of children with special language impairment | PI-Dr. Animesh Barman &  Dr. Swapna N  CI-Dr.PrashanthPrabhu | DST  (3 Years) | 33.88 |
| 6 | Effect of vestibular impairment and vestibular rehabilitation therapy on cognition and language processing | PI : Dr. Niraj Kumar Singh | DST (3 years) | 81.25 |

1. **Intramural Research Projects**
2. **Completed Projects :** 03

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| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Title of the project** | **Principal Investigator /**  **Co-Investigator** | **Project** | **Amount (Lakhs)** | **Remark** |
| 1 | Development of Phonemically balanced word lists in Tamil Language for adults | PI - Dr. Geetha C  CI - Dr. Devi N | ARF | 4.88 | IR submitted on 04.06.2020 |
| 2 | Speech Identification in the Non-aided ear in Monaural Hearing Aid Users | PI - Prof. Asha Yathiraj | ARF | 4.93 | IR submitted |
| 3 | Development of AIISH Hyperacusis Assessment Toolbox for Individuals with Tinnitus Associated with Hyperacusis | PI - Dr. Prashanth Prabhu P | ARF | 4.93 | FR submitted on 17.06.2020  **Completed** |

1. **Ongoing projects : 07**

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| --- | --- | --- | --- | --- | --- |
| **Sl. No.** | **Title of the project** | **Principal Investigator /**  **Co-Investigator** | **Project** | **Amount (Lakhs)** | **Remark** |
| 1 | Electrophysiological Assessment of Auditory and Vestibular Neural Functioning in Individuals with Diabetes Mellitus | PI - Dr. Prawin Kumar  CI - Dr. M Bhanukumar,  Dr. Niraj Kumar Singh,  Mr. Vipin Ghosh &  Dr. Kumari Apeksha | ARF  (3 years) | 4.88 | Ongoing |
| 2 | Relationship between Auditory Abilities and Iron Deficiency Anemia in Adolescent Girls | PI - Dr. Chandni Jain  CI - Dr. Chetak K B &  Mr. Vipin Ghosh | ARF | 5.33 | Ongoing |
| 3 | Implementation and Validation of Portable Virtual Acoustic Spatial Training (VAST) Programme for Remediation of Spatial Deficits in Listeners with Sensorineural Hearing Impairment (SNHL): A Longitudinal Time – Series Study | PI - Dr. Ajith Kumar U  CI - Dr. Nisha K V | ARF | 4.85 | Ongoing |
| 4 | Behavioral and Electro Physiological Correlates of Lexical Semantic Activation in High and Low Proficient Bilinguals | PI - Dr. Sandeep M &  Dr. Abhishek B P  CI - Dr. Chandni Jain | ARF | 4.88 | Ongoing |
| 5 | Cochlear implant outcome measures: Comparison of rating scales and speech perception | PI-Dr. Megha  CI-Jawahar Antony | ARF | 5.05 | Ongoing |
| 6. | Exploring Real World Aid Usage and Outcome: Current Indian Scenario | PI: Dr. Manjula P. | ARF | 4.93 | Ongoing |
| 7 | Impact of acoustic stimuli used for various measures of VEMP on the auditory system | PI: Dr. Niraj Kumar Singh  CI: Dr. Prawin Kumar | ARF  (3 years) | 15.04 | Ongoing |

***IR: Initial Report; FR: Final Report***

1. **Doctoral and Post-Doctoral Programs**
2. **Degree Awarded (for the current month) : 00**
3. **Under Progress : 26**

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| --- | --- | --- | --- |
| **Sl. No.** | **Name** | **Topic** | **Guide / Co-guide** |
|  | Ms Mamatha N.M | Effect of auditory processing abilities on academic performance in Kannada speaking primary school children | Prof. Asha Yathiraj |
|  | Ms ShubhaTak | Loudness perception in children using hearing aids and children using cochlear implant | Prof. Asha Yathiraj |
|  | Mr. Shreyank P Swamy | Comparison of contralateral suppression of otoacoustic emission between children with APD and children with ADHD | Prof. Asha Yathiraj |
|  | Ms. Shubhaganga | Influence of education employment and gender on auditory processing and cognition in older adults | Prof. Asha Yathiraj |
|  | Mr. Vikas M.D. | Effects of temporal resolution, working memory and personality on benefit of hearing aids in older adults | Prof. Manjula P |
|  | Shailaja Shukla | Cognitive Linguistic Processing in Typically Aging Kannada speaking individuals | Prof. Manjula P |
|  | Priyanka Jaisinghani | Validation of Speech enhancement and noise reduction strategies in individuals with sensorineural hearing loss and ANSD | Prof. Manjula P |
|  | Ms Sreena E N | Preferred compression amplification settings for individuals with varying audiogram configuration | Prof. Manjula P |
|  | Ms. Priyanka V | Temporal processing abilities audi -tory working memory and speech perception in noise in vocal musicians, violinists and non-musicians | Prof. Rajalakshmi K. |
|  | Mr. Anu Prasad | Auditory processing in children with benign epilepsy with centro temporal spikes/rolandic epilepsy | Prof. Rajalakshmi K |
|  | Ms PrajnaNayak | Fundamental frequency (f0) encoding and speech perception in noise. | Prof. Rajalakshmi K |
|  | Mr. Vignesh S.S. | Evaluation of brainstem functions in multiple sclerosis using auditory vestibular test battery | Prof. Rajalakshmi K |
|  | Mr. 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 |
|  | Mr. Darga Baba Fakaruddin | Effect of Age, Hearing Loss and Working Memory on Speech Recognition in Naïve Hearing aid Users. | Prof. Rajalakshmi K |
|  | Ms. Merin Mathews | Audiovisual Speech Perception in individuals with ANSD: effect of audiovisual training evidence through ERP and behavioural measures. | Prof. Rajalakshmi K |
|  | Ms. Krupa | Effect of Native and non native babble background on speech identification of individuals with normal hearing and hearing impairment | Prof. Rajalakshmi K |
|  | Mr. Arunraj K | Clinical validation of Wide band absorbance Tympanometry in detecting middle ear disorders | Prof. Animesh Barman |
|  | Mr. 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 |
|  | Ms Sahana V | Auditory and cognitive profiling in normal hearing individuals with occupational noise exposure | Prof. Ajith Kumar U |
|  | Mr. Jim Saroj Winston | Effect of short term musical training on Psycho-acoustical electrophysiological and working memory measures | Prof. Ajith Kumar U |
|  | Ms Priyadharshini K. | Effect of auditory training using envelope enhanced speech on speech perception abilities in persons with auditory neuropathy spectrum disorder | Prof. Ajith Kumar U |
|  | Mr. Anoop B. J. | Cognitive and ERP measures of informational masking in young and elderly normal hearing individuals | Prof. Ajith Kumar U |
|  | Ms Dhanya M | Perceptual cues of Co-articulation in Malayalam in Normal Hearing and Hearing impaired individuals | Dr. Sandeep M |
|  | Mr. Rakesh Gatla | Auditory processing and speech perception abilities in carriers of mutated genes that cause hearing loss (Tentative) | Dr. Sandeep M |
|  | Ms Yashashwini L | Categorical perception and processing of speech and music stimuli in individuals with and without music training (Tentative) | Dr. Sandeep M |
|  | Ms Reesha OA | Efficacy of computer based auditory separation training in children with auditory processing disorders | Dr. Prawin Kumar |

1. **PG Dissertations**
2. Completed : 39
3. Under **progress**  : Nil

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| **SL. No.** | **Name of the Student** | **Name of the guide** | **Research Title** |
| 1 | Augustina Noel Z | Dr. Manjula P | Speech identification through mobile phone, coupled to hearing aids, with and without wireless technology |
| 2 | Christy Sebastian | Dr. Manjula P | Effect of wide dynamic range compression on a few temporal characteristics and speech identification. |
| 3 | Merina Thomas | Dr. K Rajalakshmi | Comparison of auditory working memory and speech perception in noise in children with and without chess training |
| 4 | Mohammed Basih Thaha T | Dr. K Rajalakshmi | Adaptation, Translation and Validation of Speech, Spatial and Qualities of Hearing Scale (SSQ) in Malayalam speaking older adults with hearing impairment. |
| 5 | Rohith V.S | Dr. K Rajalakshmi | The Relationship between Auditory working memory and speech perception in noise in primary school children with and without abacus training |
| 6 | Gowtham Varma S | Dr. Animesh Barman | Cochlear microphonics : A comparison between scalp recording vs. Intracanicular recording procedure using tone bursts and click |
| 7 | Prajwal Kumar E | Dr. Animesh Barman | Effect of click, tone burst frequency, polarity and rate of stimulus on cochlear microphonics in individuals with normal hearing sensitivity. |
| 8 | Chethana P | Dr. Ajith Kumar U | Test-retest reliability of working memory span tasks: Operation span, Reading span and Auditory digit span. |
| 9 | S.I kirubaharane | Dr. Ajith Kumar U | Multifrequency tympanometry in children with and without congenital sensorineural hearing loss. |
| 10 | Srividya S | Dr. Ajith Kumar U | Sentence identification in presence of speech and music masker among musicians and non-musicians |
| 11 | Aparna Ravi | Dr. Sandeep M | Bilateral simultaneous auditory brain stem response  In individuals with sensori neural hearing loss |
| 12 | Divya Chauhan | Dr. Sandeep M | Effect of physiological noise on speech perception in noise in normal hearing adults |
| 13 | Madhumanti Chakraborty | Dr. Sandeep M | Role of MOCB on threshold and supra threshold measures of speech perception in noise. |
| 14 | Akhil Shrivastava | Dr. Sujeet Kumar Sinha | Measurement of Ocular tilt using Subjective visual vertical test in Individuals with Sensorineural Hearing loss |
| 15 | Anagha A P | Dr. Sujeet Kumar Sinha | Vestibulo -Ocular Reflex gain measurement using Head Impulse Paradigm and Suppression Head Impulse paradigm in younger and older adults |
| 16 | Sarga K | Dr. Sujeet Kumar Sinha | Effectiveness of Subjective Visual Vertical and Video Head Impulse Test in assessment of Vestibular function in individuals with Mixed Hearing Los |
| 17 | Aneena K | Dr. Prawin Kumar | Estimation of vestibulo ocular reflex gain using head impulse paradigm in individual with noise exposure |
| 18 | Layamol T.P | Dr. Prawin Kumar | Assessment of Hidden hearing loss in individuals exposed to noise using Tone Burst ABR and DPOAEs |
| 19 | Tanuja M.N | Dr. Prawin Kumar | Comparison between auditory working memory,temporal resolution, and auditory closure in individuals with type 2 diabetes mellitus. |
| 20 | Ajithkumar M | Dr. Devi N | Correlation of threshold difference between pure tones, clicks and wideband evoked acoustic reflex |
| 21 | R Kalaiyarasan | Dr. Devi N | Evaluation of temporal resolution abilities and speech perception in noise in abstinent alcoholics and non-alcoholics |
| 22 | Nivedharao Nagarajan | Dr. Devi N | Auditory differential sensitivity for frequency ,intensity , duration in abstinent alcoholic |
| 23 | Hannah Thomas | Dr. Niraj Kumar Singh | Estimating safe stimulus level for 500 Hz tone tone burst evoked cervical and ocular vestibular evoked myogenic potential |
| 24 | Kristi Kaveri Dutta | Dr. Niraj Kumar Singh | Effect of stimulus intensity used for frequency tuning of cVEMP on hearing |
| 25 | Krupa Bai B | Dr. Chandni Jain | Relationship between extended High frequency Audiometry, distortion product otoacoustic emission and speech perception in noise in children with (C)APD. |
| 26 | Megha Nigam | Dr. Chandni Jain | Relationship between spectral resolution and speech perception in noise in children with central auditory processing disorder |
| 27 | Shreyas S Ram | Dr. Chandni Jain | Prevalence of individuals diagnosed to have CAPD for a period of two years at Aiish ( June 2017 to July 2019 |
| 28 | Manju Manikandan K | Dr. Geetha C | Influence of age, cognition and proficiency of the non-native background language on speech recognition of native language |
| 29 | Rajwinder Kaur | Dr. Geetha C | Adaptation,Translation and Validation of Parents Evaluation of oral/aural performance of children (PEACH) and Teachers' Evaluation of oral/aural performance of children (TEACH ) |
| 30 | Sushma C | Dr. Geetha C | Comparison of perceptual benefits of high end cost and low end cost hearing aids |
| 31 | Ashique C | Ms. Mamatha N | Comparison of differential sensitivity for frequency, intensity and duration on adults those who practice yoga and those who do not practice yoga |
| 32 | Ravinder Thakur | Ms. Mamatha N | C-VEMP and O-VEMP in smokers |
| 33 | Sachin B | Ms. Mamatha N | Effect of duration of smoking on distortion product otoacoustic emission |
| 34 | R Mohana Priya | Dr.Sreeraj K | Amplitude modulation discrimination in individual with normal hearing sensitivity having tinnitus |
| 35 | Rakesh T Kumar | Dr.Sreeraj K | Comparison of auditory working memory in adults with congenital blindness and normal sighted individuals |
| 36 | Ranjini A | Dr.Sreeraj K | Influence of Music Training on the Age Related Decline in Spatial Hearing and Temporal Processing Ability |
| 37 | Aishwarya G | Dr. Prashanth Prabhu | Effect of prescriptive formulae and number of channels (simulated) on perception of music processed through Receiver In the Canal hearing aid |
| 38 | Hemashree B.M | Dr. Prashanth Prabhu | Evaluation of temporal processing abilities in individuals categorized based on body mass index. |
| 39 | Swati Goyal | Dr. Prashanth Prabhu | Effect of age and gender on auditory stream segregation in adults with normal hearing sensitivity |

1. **Research Paper Publications / Presentations: 09**
2. **In-house research publications : Nil**
3. **National Research Publications : 03**
4. Umashankar, A., & Prabhu, P. (2020). Effect of COVID-19 on individuals with hearing impairment in India. *Journal of Clinical and Diagnostic Research*. *14*(8): MM01-MM03.
5. Hrishtha, V.M., Sharma, V., Ali, N.M., Jose, J. & Prabhu, P. (2020). Does Martial art training improve binaural integration? – a preliminary study. *The Journal of Acoustical Society of India. 47*(1), 1-5.
6. Swapna, N., Prawin K.,Bincy, R. Kalam., Anju, V. A., & Arunraj, K. (2020). Diagnostic relevance of primitive reflexes in high-risk newborns: A systematic review. *Journal of Indian Speech Language & Hearing Association,34,* 24-30.
7. **International publications : 06**
8. Udhayakumar, R. & Devi, N. (2020). Comparison of temporal and envelope cues in hearing aids: use of Malayalam language chimeric sentences and two compression strategies. *Journal of Hearing Science*, 10(1), 33–40.
9. Mendhakar, A., Sneha, K. C., Devi, N.,& Renuka, C. (2020). Hearing aids of the future: a simulation study. *International Journal of Biomedical Engineering,* 6(1), 18–23.
10. Krishna, Y., Raveendran, R., & Konadath, S. (2020). Perception of Vocal Emotional Prosody in Children with Hearing Impairment. *International Journal of Pediatric Otorhinolaryngology*, 11, 110252. Doi: <https://doi.org/10.1016/j.ijporl.2020.110252>.
11. Kumar, P., Sanju, H.K., & Singh, N. K. (2020). Neural representation of consonant–vowel transition in individuals with cochlear hearing loss and auditory neuropathy spectrum disorder. *European Archives of Otorhinolaryngology*, <https://doi.org/10.1007/s00405-020-06017-4>.
12. Kumar, P., Singh, N. K., Sanju, H. K., & Kaverappa, G. M. (2020). Feasibility of objective assessment of difference limen for intensity using acoustic change complex in children with central auditory processing disorder. *International Journal of Pediatric Otorhinolaryngology, 137,* 110189. Doi: <https://doi.org/10.1016/j.ijporl.2020.110189>[Get rights and content](https://s100.copyright.com/AppDispatchServlet?publisherName=ELS&contentID=S0165587620303323&orderBeanReset=true)
13. Yashaswini, L., & Maruthy, S. (2020). Effect of Music Training on Categorical Perception of Speech and Music. *Journal of Audiology and Otology*, *24*(3), 140–148. Doi:<https://doi.org/10.7874/jao.2019.00500>
14. **Papers published in conference / Seminar Proceedings : Nil**
15. **Books/Book chapters published : Nil**
16. **Books/Manuals/Seminar Proceedings edited : Nil**
17. **Scholarly Reviewing Activities : 04**

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| **Name** | **Journal** |
| Dr. Sandeep M. | 1. Journal of the Acoustical Society of America |
| Dr. Niraj Kumar Singh | 1. International Journal of Audiology 2. Journal of Indian Speech-language and Hearing Association |
| Dr. Prawin Kumar | 1. Journal of Indian Speech-language and Hearing Association |
| Dr. Rajalakshmi K | 1. Disability and Rehabilitation Journal. 2. Noise & Health. |

1. **Journal Editorship**

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| **Name** | **Journal** |
| Dr. Manjula P. | Associate Editor (Hearing)-JAIISH |
| Dr. Ajith Kumar U | Associate Editor - Journal of Speech Language and Hearing |
| Dr. Prawin Kumar | Editor -in-chief - Journal of Indian Speech, Language and Hearing Association |
| Dr. PrashanthPrabhu | Editorial panel member - International Journal titled ‘EC Neurology’ |
| Dr. Sharath Kumar | Assistant Editor - JAIISH |

1. **Others:**
2. Online appointment system is updated in the institute website
3. 14th MRM meeting held on 14.07.2020.
4. Submission of Clinical marks of III BASLP students on 24.07.2020.
5. Purchase procedure meeting held on 15.07.2020 with Purchase nodal officer of Audiology (Dr. Prashanth Prabhu) attended along with HOD-Audiology.
6. ISO external audit held on 17.07.2020.
7. Submission of PFRI documents to Director on 10.07.2020.
8. Compliance report of the client feedback for the month of June, 2020 submitted to the Director on 23.07.2020.
9. Compliance report of the client feedback for the month of February & March, 2020 submitted to the Director on 28.07.2020.

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| **Clients seen in OPD** | |
| Clients seen in OPD | 306 |
| Not reported | 00 |
| Clients seen at JC block | 244 |
| Clients seen in camps | 00 |
| ***Ears with diff degrees of HL*** |  |
| Normal hearing | 18 |
| Minimal | 34 |
| Mild | 76 |
| Moderate | 64 |
| Moderately severe | 94 |
| Severe | 68 |
| Profound | 60 |
| Minimal to mild | 00 |
| Mild to moderate | 00 |
| Moderate to moderately severe | 40 |
| Moderately severe to severe | 12 |
| Severe to profound | 10 |
| Moderate to severe | 00 |
| Sloping hearing loss | 12 |
| ***Ears tested having*** | |
| Conductive hearing | 140 |
| Mixed hearing loss | 130 |
| SN hearing loss | 200 |
| Clients with unilateral HL | 84 |
| Clients with bilateral HL | 126 |
| Ears with Aud. Dys-synchrony | 00 |
| Clients with APD | 00 |
| Clients with Functional HL | 12 |
| Clients - tinnitus evaluation | 44 |
| Clients for Pure tone audiometry (PTA) | 244 |
| Clients for Sp. Audiometry | 244 |
| Clients for Immittance evaluation | 244 |
| Clients for OAE | 60 |
| Clients for ABR | 41 |
| Clients for VEMP | 00 |
| Clients for VHIT | 00 |
| Clients for BOA | 10 |
| Clients for VRA | 08 |
| Clients for LLR | 00 |
| Behavioral vestibular assessment | 00 |

1. **CLINICAL SERVICES: GENERAL/** नैदानिक ​​सेवाओं :आम
2. **Hearing Evaluation**

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| --- | --- |
| **Hearing Aid Trial** | |
| No. of clients seen for HAT | 155 |
| No. of clients seen at camp | 00 |
| No. of HA’s prescribed at camp | 00 |
| No. of HA’s issued at camp | 00 |
| HA’s prescribed at AIISH | 20 |
| Body level hearing aids | 00 |
| Analogue BTE | 00 |
| Digital BTE | 20 |
| Trimmer Digital BTE | 00 |
| Mini BTE | 00 |
| Digital ITE | 00 |
| Digital ITC | 00 |
| Digital CIC | 00 |
| Digital RIC | 00 |
| Testing for CI candidacy | 00 |
| **No. of clients recommended** | |
| Auditory training | 05 |
| Speech reading | 00 |
| HA prescribed on exchange | 00 |
| Aided audiograms | 03 |
| Aided audiogram for CI | 03 |
| BOA | 00 |
| VRA | 00 |
| Conditioning | 00 |
| Programming of digital HA | 108 |
| Reprogramming of HA | 56 |
| No. of IGO done | 00 |
| EAC of hearing aids done | 00 |
| Retrial with CEM | 10 |
| Recommended for EPD’s | 00 |
| Unaided & aided LLR done | 00 |
| Rec. for CI candidacy | 00 |

1. **Hearing Aid Trial**
2. **Counseled and guidance**

|  |  |
| --- | --- |
| Total No. of patients counseled | 155 |
| No. of clients counseled at AIISH | 155 |
| No. of clients counseled at camps | - |

1. **Ear Mould**

|  |  |
| --- | --- |
| **Ear mould lab** | |
| Clients ear impression taken | |
| New clients | 29 |
| Old clients | 161 |
| Clients seen at camp | - |
| **Ear impressions taken** | |
| Free of cost | 148 |
| 100% payment | 162 |
| At camp | - |
| CPL impressions received | - |
| EMs completed | 310 |
| No. Mould Lacquered | 66 |
| Hard regular moulds | 02 |
| Hard shell mould made | 02 |
| Soft mould made | 103 |
| Hard canal moulds | - |
| Soft canal moulds | - |
| Instant moulds | - |
| Silicon impression taken | 01 |
| Swimmer plug(soft) | - |
| Swimmer plug (hard) | - |
| No. of ear blocked | - |
| No. of sound tube replaced | 72 |
| EMs with acoustics  modifications | 64 |
| No. of students posted | - |

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **State-wise statistics** | | | **Revenue** | | |
| **Sl. No** | **States** | **Statistics** | **Sl. No.** | **Details** | **Amount** |
| 1 | Andhra Pradesh | 0 | 1 | Spares | 3480 |
| 2 | Karnataka | 181 | 2 | Post | 60 |
| 3 | Kerala | 7 | 3 | Making ear moulds | 26690 |
| 4 | Tamil Nadu | 1 | Total Revenue | | 30230 |
| 5 | Telangana | 0 |
| 6 | Others | 1 |

1. **Students posted**

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

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age**  **group**  **years** | **Hearing**  **Evaluation** | | **Hearing Aid**  **Trial** | | **Ear moulds** | |
| **Male** | **Female** | **Male** | **Female** | **Male** | **Female** |
| 0-1 | 02 | 05 | 02 | 05 | 00 | 00 |
| 2-5 | 05 | 02 | 04 | 02 | 05 | 10 |
| 6-10 | 03 | 04 | 03 | 04 | 11 | 00 |
| 11-15 | 09 | 03 | 03 | 03 | 13 | 02 |
| 16-20 | 13 | 06 | 03 | 06 | 20 | 03 |
| 21-25 | 11 | 04 | 08 | 04 | 12 | 06 |
| 26-30 | 12 | 11 | 05 | 04 | 03 | 01 |
| 31-35 | 11 | 12 | 07 | 04 | 06 | 08 |
| 36-40 | 11 | 11 | 02 | 05 | 04 | 04 |
| 41-45 | 13 | 12 | 04 | 05 | 02 | 04 |
| 46-50 | 04 | 09 | 04 | 02 | 06 | 03 |
| 51-55 | 09 | 05 | 09 | 07 | 05 | 09 |
| 56-60 | 06 | 06 | 06 | 06 | 08 | 05 |
| 61-65 | 05 | 09 | 03 | 09 | 01 | 03 |
| 66-70 | 02 | 06 | 02 | 01 | 03 | 03 |
| 71-75 | 04 | 02 | 04 | 02 | 05 | 07 |
| 76-80 | 04 | 02 | 04 | 02 | 10 | 01 |
| 81-85 | 04 | 03 | 04 | 03 | 00 | 00 |
| 86-90 | 02 | 02 | 02 | 02 | 03 | 01 |
| 91+ | 00 | 00 | 00 | 00 | 03 | 00 |
| **Total** | **130** | **114** | **79** | **76** | **120** | **70** |
| **244** | | **155** | | **190** | |

1. **CLINICAL SERVICES: SPECIALIZED/**नैदानिक ​​सेवाओं :विशेष
2. **Implantable Hearing Devices Unit :-**

|  |  |
| --- | --- |
| **Implantable Hg. Devices Unit** | |
| **No. of cases seen** | **07** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 02  04  01 |
|  |
| **No. of switch on** | **02** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 00  02  00 |
| **No. of sessions** | **07** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 02  04  01 |
| **Mapping for CI** | **04** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 02  02  00 |
| **Troubleshooting CI devices** | **03** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 00  02  01 |
| **Counseling for CI clients** | **07** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 02  04  01 |
| No. of students | 00 |

**Listening Training Unit**

|  |  |  |  |
| --- | --- | --- | --- |
| **Listening Training Unit** | | **Class** | **LTU** |
| Clients seen | 106 | DHLS | 00 |
| Sessions taken | 610 | Dip in HA Repair & EM Tech. | 00 |
| Clients for whom demo therapy given | 00 | DTYDH | 00 |
| New clients | 14 | I BASLP | 00 |
| Repeat clients | 92 | II B.Sc. (Speech & Hearing) | 00 |
| Clients discharged | 00 | III B.Sc. (Speech & Hearing) | 00 |
| Clients discontinued | 00 | AIISH Interns | 00 |
| Clients given training in Hindi | 00 | External Interns [ENT] | 00 |
| Clients with CI trained | 35 | I M.Sc. (Audiology) | 00 |
| Sessions for clients with CI taken | 229 | II M.Sc. (Audiology) | 00 |
| Clients with tinnitus attended therapy | 00 | B.S.Ed. (HI) | 00 |
| Sessions for clients with tinnitus | 00 | M.S. Ed. (HI) | 00 |
| Clients with ANSD | 00 | D.Ed. [HI,GTTCHH, Mysuru] External | 00 |
| Sessions for clients with ANSD | 00 |  |  |
| Clients with CAPD | 00 |  |  |
| Sessions for clients with CAPD | 00 |  |  |
| Clients for observation for HAT | 00 |  |  |
| Total No. of Students posted | 00 |  |  |
| Total no of sessions given through WhatsApp Video call | 374 |  |  |
| Total No. of sessions given through phone call | 236 |  |  |

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

***Certificates Issued***

|  |  |
| --- | --- |
| Financial aid (pension of GOK) | 10 |
| Admission to regular school | 00 |
| Admission to deaf school | 00 |
| Physically handicapped | 00 |
| Tax exemption | 00 |
| Education scholarship | 00 |
| Driving license | 00 |
| LIC | 00 |
| CI | 00 |
| Estimation letter for hearing aids | 08 |
| Reimbursement letters | 00 |
| Certificate issued at camp | 00 |
| **Total No. Disability Certificates issued** | **18** |

1. **Details of estimation letters given in June (01.07.2020 – 31.07.2020)**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **SL.No.** | **Date** | **Case No.** | **Name** | **Name of the model** | **Amount (Rs.)** |
| 1 | 02.07.2020 | 465745 | Ethan Immanuel P | Danavox, Logar 598 DW SP Digital BTE and Danavox, Leva 388 DW P Digital BTE(2) | 32,550 |
| 2 | 02.07.2020 | 506242 | Mallesh M | Amplifon, Enzo 598 DVI SP Digital BTE(2) | 35200 |
| 3 | 02.07.2020 | 374306 | Ekanth V | Amplifon, Enzo2 798 DW SP Digital BTE(2) | 1,03,040 |
| 4 | 03.07.2020 | 230721 | Keshava K | Amplifon, Enzo2 798 DW SP Digital BTE(2) | 1,03,040 |
| 5 | 09.07.2020 | 516799 | Somashekar T N | Amplifon/Resound, Enya 362 DW RIE(2) | 28,120 |
| 6 | 16.07.2020 | 476894 | Dilip | MEDEL, Adhear Bone Conduction Hearing Aid System | 2,08,000 |
| 7 | 20.07.2020 | 384868 | Chandan U J | MEDEL, Adhear Bone Conduction Hearing Aid System | 2,08,000 |
| 8 | 21.07.2020 | 516799 | Dhanyashri H P | Danavox Logar 798 DW SP Digital BTE(2) | 71,400 |

1. **PUBLIC EDUCATION AND OUTREACH SERVICES /** सार्वजनिकशिक्षाऔरआउटरीचसेवाएं
2. **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
3. **Technological consultancy services/**तकनीकीपरामर्शसेवाएं : Nil
4. **Awards and honors /** पुरस्कारऔरसम्मान : Nil

**received by Faculty and Staff**

1. **Extracurricular activities /** पाठ्येतरगतिविधियां : Nil
2. **Major events/**प्रमुखईवेंट : Nil

(A brief note in not more than five sentences about

each activity/event)

1. **Visitors/**आगंतुकों-
2. **Any other/**कोईदूसरा : **Nil**
3. Additional Services (Academic/Administrative) :

Rendered by the Faculty and Staff

**Dr. P Manjula**

* Attended BOS meeting in Karnataka University Dharward, on 13.07.2020.
* Online training on Administrative vigilance and rules on 10.07.2020.
* Online training on Disciplinary procedures and enquires on 18.07.2020.

**Dr. Rajalakshmi K**

* Participated in STIP 2020.
* Updated and uploaded the Kannada contents for AIISH website with Mrs. Kalaiselvi.
* Feedback received from the three departments regarding website content in Kannada modification incorporated.
* Three videos for public education in Kannada prepared. LTU, Tinnitus and Vertigo. One video in Tinnitus, edited PEP on tinnitus (Kannada) prepared & given for designing.
* Peer evaluation presentation schedule prepared for the 7th cycle.
* Tele-assessment four hours a week, JC block postings 2 ½ days, LTU 4 hours, 4 cases.

**Dr. Animesh Barman**

* Academic Committee Member :AYJNISHD
* Committee to Explore option for conducting online classes and dissertations process : Member 20.07.2020

**Dr**. **Sandeep M**

* Ms. Indira's Research proposal submitted to the University for Permanent Registration after making changes advised by BOS members.

**Dr. Prawin Kumar**

* Attended 14th MRM meeting on 14.07.2020
* Attended SOP committee meeting on 08.07.2020 & 28.07.2020
* Attended Purchase review committee meeting on 15.07.2020
* Served as Chairperson of the ARF Project staff selection committee.

**Dr. Niraj Kumar Singh**

* Nominated to serve as expert member in the recruitment process for the post of Junior Power Man on 30.06.2020
* Member of committee on Verification and updation of AIISH website

**Dr. Geetha C**

* Delivered a talk in 'AISIRI' program on Importance of Early intervention in children with hearing impairment on 30.7.2020

**Dr. Prashanth Prabhu**

* Attended orientation as Purchase Nodal officer for Purchase procedures and processes on 14.07.2020
* Prepared Inputs for Management Review meeting – Department of Audiology

**Dr. Devi N**

* Radio – AISIRI programme recording on Need for early rehabilitation and listening training for individuals with hearing impairment on 31.07.2020

**Dr. Sreeraj K**

* RTI officer

**Others:**

1. Mr. Akshay Medhakar joined as Research Associate I on 13.07.2020.
2. Ms. Nirmala J joined as Research Associate I on 27.07.2020.

**डॉ. प्रवीण कुमार / Dr. Prawin Kumar**  
 **विभागाध्यक्ष - श्रवण विज्ञान विभाग/ HOD- Audiology**