**ऑडियोलॉजी विभाग / DEPARTMENT OF AUDIOLOGY**

**मंत्ली रिपोर्ट / MONTHLY REPORT**

***FOR THE MONTH OF FEBRUARY 2018***

**Monthly Statistics (From 1st to 28th February 2018)**

**ACADEMIC ACTIVITIES/ शैक्षणिक गतिविधियों**

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Name, designation and institutional affiliation of Resource Person** | **Topic of lecture** | **Coordinator** | **No. of Participants** | **Date** |
|  | Ms. Keerthi S.P. | Hearing loss in children with e-waste lead and cadmium exposure | Dr. Sujeet Kumar Sinha | 30 | 21.02.18 |
|  | Ms. Kirthi Joshi | Vestibular profile of type 1 & type 2 chronic diabetes mellitus | Dr. Sujeet Kumar Sinha | 26 | 02.03.18 |

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

**Journal Club- 2**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No** | **Topic** | **Guide** | **Schedule** |
|  | Study to determine the smallest frequency change that elicits a response in children, electrophysiologically and behaviorally for two carrier frequencies: 500 Hz and 3000 Hz | Dr. Rajalakshmi K | 23.02.18 |
|  | Prevalence of hearing loss (HL) and associated factors in a nationwide study. This JC highlights the significance of identifying associated factors related to hearing loss which can be used for the proper provision of health care, screening and preventive services | Dr. Chandni Jain | 02.03.18 |

**Clinical Conference - NIL**

1. **Clinical Observation postings of students from other Institutes: 2**

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Theme / Topic** | **Objectives** | **Target audience** | **Coordinators** | **No. of partic** | **Date** |
|  | HE, HAT–An overview & observation | Observation of hearing tests, procedures involved in hearing aid fitting | Dr. Deepthi, JNMC, Belagavi | Dr. Rajalakshmi K.& Mr. Darga Baba | 1 | 02.02.18 |
|  | HE, HAT–An overview & observation | Observation of hearing tests, procedures involved in hearing aid fitting | Dr. Shibu Khan M. | Dr. Rajalakshmi K.& Mr. Darga Baba | 1 | 08.02.18 |

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

**Within AIISH-5**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name** | **Title of the program** | **Venue** | **Date** |
|  | Dr. Rajalakshmi K., Professor of Audiology | Genetic Analysis organized by the Unit for Human Genetics (SLS) | Mini Seminar Hall, Academic Block, AIISH | 20.02.18 |
|  | Dr. Sandeep M., Reader in Audiology | Genetic Analysis organized by the Unit for Human Genetics (SLS) | Mini Seminar Hall, Academic Block, AIISH | 20.02.18 |
|  | Dr. Devi N., Reader in Audiology | Genetic Analysis organized by the Unit for Human Genetics (SLS) | Mini Seminar Hall, Academic Block, AIISH | 20.02.18 |
|  | Dr. Chandni Jain, Reader in Audiology | Genetic Analysis organized by the Unit for Human Genetics (SLS) | Mini Seminar Hall, Academic Block, AIISH | 20.02.18 |
|  | Ms. Indira, JRF | Genetic Analysis organized by the Unit for Human Genetics (SLS) | Mini Seminar Hall, Academic Block, AIISH | 20.02.18 |

**Outside AIISH-NIL**

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **No.** | **Name** | **Title of the program** | **Venue** | | **Organizer** | **Date** |
|  | Dr. Rajalakshmi K. | Neurootological and Equilibriometric Society of India (NES-2018) organized by All India Institute of Medical Sciences, Jodhpur between 1st to 4th February 2018 | Hearing Aids | All India Institute of Medical Sciences, Jodhpur | | 1st to 4th February 2018 |
|  | Dr. Asha Yathiraj | Conference cum workshop on Community based awareness for inclusive education and rehabilitation & Auditory processing disorder: Assessment and Managment | Processes specific intervention ofAuditory Processing Disorder | Sri Ramachandra Medical College and research institute in collaboration with National institute for empowerment of persons with multiple disabilities, Chennai | | 16.02.18 |
|  | Dr. Asha Yathiraj | 4th workshop on cochlear implantation in cochlear anomalies and thin cochlear nerves and witnessed the live surgical demonstration | **Habilitation issues in Cochlear anomalies and hypo plastic Cochlear nerves - Pitfalls and the Road map** | | Medikeri ent research institute Trust in collaboration with Sagar Hospitals, Bangalore |  |

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

|  |  |
| --- | --- |
| **Dr. Asha Yathiraj** | Attended Board of Appointment of examiners for Special Education at University of Mysore on 20.02.18 |
| **Dr. Animesh Barman** | Examiner at Bangalore University on 17.02.18 |
| **Dr. Sandeep M.** | Examiner at Bangalore University on 03.02.18 |
| **Dr. Prawin Kumar** | Examiner at Bangalore University on 10.02.18 |

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

|  |  |
| --- | --- |
| **Dr. Rajalakshmi K.** | Served as Chairperson for Neurootological and Equilibriometric Society of India (NES-2018) organized by All India Institute of Medical Sciences, Jodhpur between 1st to 4th February 2018 |

**RESEARCH ACTIVITIES/** अनुसंधान गतिविधियाँ

**Funded Research Projects:**

***3 project proposals by Dr. Animesh Barman, Dr. Ajith Kumar U., Dr. Prawin Kumar and Dr. Hemanth N. were presented at New Delhi from the department for DST funding***

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

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

1. **New research project initiated: Extramural-3 (2017-18)**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **Sl.No.** | **Title of the Project** | **Investigator** | **Founding source** | **Amount** |
| 1. | fMRI & ERP evidence for improvement in Audio-visual integration in individuals with ANSD post speech reading training | Dr. Rajalakshmi K. | DST | 35.29 |
| 2. | Auditory processing and auditory cognitive measures in carriers of mutated genes that cause hearing loss | Dr. Sandeep M | DST  (3 years) | 47.52 |
| 3. | Efficacy of computer based traiing module on auditory and cognitive skills in children with central auditory processing disorders | Dr. Prawin Kumar | DST  (3 years) | 28.49 |

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

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No** | **Title** | **Objectives** | **Investigators** | **Funding source** | **Grant amount** ` |
|  | Neural Correlates of Perceptual Learning of Non-Native Speech Sound Contrast Learning | To investigate the neural correlates of perceptual learning of non-native speech sound contrast learning | Dr. Ajith Kumar U  Dr. Santosh M. | ARF | 4.33 |
|  | Bithermal Caloric Test and Video Impulse Test for the Assessment of Unilateral Vestibular Pathologies | To identify association between pithermal and video | Mr. Niraj Kumar Singh  Dr. Rajashwari G. | ARF | 4.33 |
|  | Development of standardization of questionnaire to assess the outcome in adult hearing aid users | To develop questionnaire inorder to assess the outcome in adult hearing aid users | Dr.Rajalakshmi K.  Dr. RamadeviSreenivas  Ms. Mamatha N.M., | ARF | 4.33 |
|  | Effectiveness of SNR-50 and SNR loss in hearing aid evaluation | To evaluate the utility of SNR-50 and SNR loss in hearing aid evaluation | Dr. Manjula P.  Ms. Megha | ARF | 4.33 |
|  | Development of hearing aid simulator | To develop a hearing aid simulator | Sujeet Kumar Sinha  Dr.Animesh Barman  Dr. D.S. Guru,  Dr. VijayakumarNarne | ARF | 2.15 |
|  | Development of phonemically balanced word lists in Kannada for adults | To develop and standardize phonetically balanced word list in Kannada | Dr. Manjula P.,  Ms. Geetha C.,  Mr. Sharath K.,  Mr. JawaharA.P. | ARF | 3.16 |
|  | Newborn communication screening: Through an innovative mobile (Android based) technology | To develop android based application tool for self (parents) newborn communication screening | Mr. Arunraj K.,  Dr. JayashreeShanbal  Dr. VijayakumaraNarne | ARF | 8.10 |
|  | Effect of Spatial Noise on Speech Identification | To determine the influence of noise similar to ‘R-SPACE’TM noise in speech identification | Dr. AshaYathiraj | ARF | 4.93 |
|  | Exploring Real World Aid Usage and Outcome: Current Indian Scenario | To acquire better insights into the aspects related to real world hearing aid outcome through focus group discussion and semi structured interview comparing with hearing aid usage | Dr. Manjula P. | ARF | 4.93 |
|  | Normative Data for click rate induced facilitation for assessing temporal intergration | Establishing normative for click rate induced facilitation in individuals with normal hearing and to test the same in individuals diagnosed with CAPD | Dr. K.Rajalakshmi | ARF | 4.93 |
|  | Audiological and vestibular assessment in persons with osteoporosis and osteopenia |  | Dr. Prawin Kumar | ARF |  |
|  | Effect of Cochlear implantation and surgery technique on cervical vestibular evoked myogenic potential |  | Mr. SachchidanandSinha  Dr. Niraj Kumar Singh | ARF |  |
|  | Impact of acoustic stimuli used for various measures of VEMP on the auditory system | The present study aimed at evaluating the effect of VEMP eliciting stimulus on functioning of cochlea | Dr. Niraj Kumar Singh | ARF | 15.04 |
|  | Contributory Factors of Hearing Handicap in individuals with Sensorineural hearing loss and auditory neuropathy spectrum Disorder (ANSD) | To compare scores of ‘Hearing Handicap Inventory for Adults’ between individuals with  SNHL and ANSD. | Dr. Jjio P.M.,  Dr. Hemanth N.,  Dr. Ajith Kumar U. | ARF | 4.93 |
|  | Development of Auditory based Application software for Tinnitus treatement |  | Sr. Hemanth N. | ARF |  |
|  | Development of low frequency range word lists in Malayalam | To determine the speech identification scores in individuals with predominantly low frequency hearing loss | Mr. PrashanthPrabhu | ARF | 4.93 |

1. **Ongoing research project:Extramural-NIL**
2. **Doctoral and Post-Doctoral Programs**

*Pre-thesis colloquium of Ms. Apeksha, doctoral candidate for her title ‘Effect of noise and amplification on speech perception in individuals with auditory neuropathy spectrum disorder-electrophysiological and behavioural study’ under the guideance of Dr. Ajith Kumar U. was held on 27.02.18*

1. **Degree Awarded:NIL**
2. **Open Viva:**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Name** | **Topic** | **Guide** |
|  | Roshni Pillai | Auditory, visual and auditory-visual processing in children with learning disability | Prof. AshaYathiraj |

1. **Thesis:**

**Submitted: 4**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Name** | **Topic** | **Guide** |
|  | M.P. Reuben Jebaraj | Influence of hearing aid fitting strategies on speech recognition in individuals with sloping hearing loss | Prof. Manjula P |
|  | Sreeraj K | Audiological profile and management of tinnitus in individuals with normal hearing | Prof. Manjula P |
|  | Prashanth Prabhu P | Amplification strategies to improve aided speech perception in individuals with auditory neuropathy spectrum disorder | Prof. Animesh Barman |
|  | Nisha K.V | Effect of training regime on behavioural and electrophysiological correlates of auditory spatial processing in individuals with sensorineural hearing loss | Dr. Ajith Kumar U |

1. **Under Progress: 20**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Name** | **Topic** | **Guide** |
|  | Megha | Auditory cognitive and neuro-physio -logical basis of hearing aid acclimatization | Dr. Sandeep M |
|  | Jithin Raj B | Audiovisual perception of acoustically enhanced speech in individuals with auditory neuropathy spectrum disorders | Dr. Sandeep M |
|  | Priyanka V | Temporal processing abilities audi -tory working memory and speech perception in noise in vocal musicians, violinists and non-musicians | Prof. Rajalakshmi K |
|  | Srikar V | Auditory continuity and perceptual restoration of speech in noise-relationship with speech intellibility in individuals with normal hearing and cochlear hearing loss | Dr. Animesh Barman |
|  | G. Nike Gnanateja | Effect of Speech intelligibility on the cortical entrainment to the temporal envelop of speech | Dr. Sandeep M |
|  | KumariApeksha | Effect of noise and amplification on speech perception in individuals with auditory neuropathy spectrum disorder-electrophysiological and behavioural study | Dr. Ajith Kumar U |
|  | Arunraj K | Clinical validation of Wide band absorbance Tympanometry in detecting middle ear disorders | Prof. Animesh Barman |
|  | Jawahar Antony P | Stream percept with sinusoidally amplitude modulated stimuli and its relation with speech perception in noise in individuals with normal hearing and Sensorineural hearing loss | Prof. AnimeshBarman |
|  | Pawan M | Investigation of mechanism underlying poor speech perception in individuals with cochlear hearing loss based on recovered envelope cues and the contribution of temporal fine structure cues in sequential segregation | Prof. Rajalakshmi K |
|  | Mamatha N.M | Effect of auditory processing abilities on academic performance in Kannada speaking primary school children | Prof. AshaYathiraj |
|  | Anu Prasad | Auditory processing in children with benign epilepsy with centro temporal spikes/rolandic epilepsy | Prof. RajalakshmiK |
|  | PrajnaNayak | Fundamental frequency (f0) encoding and speech perception in noise | Prof. Rajalakshmi K |
|  | Vignesh S.S. | Auditory processing in individuals with cerebellar disorders-Review of literature | Prof. Rajalakshmi K |
|  | Dhanya M | Perceptual cues of Coarticulation in Malayalam in Normal Hearing and Hearing impaired individuals | Dr. Sandeep M |
|  | RakeshGatla | Auditory processing and speech perception abiliites in carriers of mutated genes that cause hearing loss (Tentative) | Dr. Sandeep M |
|  | Yashashwini L | Categorical perception and processing of speech and music stimuli in individuals with and without music training (Tentative) | Dr. Sandeep M |
|  | Vikas M.D. | Effects of temporal resolution, working memory and personality on benefit of hearing aids in older adults | Dr. Manjula P. |
|  | Anoop | Cognitive and ERP measures of informational masking in young and elderly normal hearing individuals | Dr. Ajith Kumar U. |
|  | ShubhaTak | Loudness perception in children using hearing aids and children using cochlear implant | Dr. AshaYathiraj |
|  | Shreyank | Comparison of contralateral suppression of otoacoustic emission between children with APD and children with ADHD | Dr. AshaYathiraj |

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

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

1. **Research Paper Publications/ Presentations**
2. **Presented at National/International Conferences /Seminars: NIL**
3. **Research Papers Published**

**In-house publications: NIL**

**NationalPublications: 1**

**Asha Yathiraj** (2018). Issues in the cochlear implant programme in India . AYJNISHD-Journal of Cochlear Implant.

**International Publications: 2**

Manohar, N., **Prabhu, P., Revathi, K.R.,**Raghavendra G.N & Madhuri, S. (2018). Computer-Based Auditory Training Programs for Children with Hearing Impairment – A Scoping Review. International Archives of Otorhinolaryngology; 22(01): 088-093. DOI: 10.1055/s-0037-1602797

**Prabhu, P**& Pratyasha, J. (2018). Evaluation of Dizziness Handicap in Adolescents and Adults with Auditory Neuropathy Spectrum Disorder. International Archives of Otorhinolaryngology; 22(01): 014-018. DOI: 10.1055/s-0037-1602693

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***

Editoral Board Member of AYJNISHD-Journal of Cochlear Implant

***Dr. Manjula P.***

Associate Editor (Hearing)-JAIISH

***Dr. Sandeep M***

Managing Editor-JAIISH (Relieved in the first week of Januray 2018)

***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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. **Hearing Evaluation**  |  |  | | --- | --- | | Clients seen in OPD | 1188 | | Clients seen at JC block | 1060 | | Clients seen in camps | 0 | | ***Ears with diff degrees of HL*** |  | | ·  Normal hearing | 201 | | ·  Minimal | 79 | | ·  Mild | 98 | | ·  Moderate | 80 | | ·  Moderately severe | 60 | | ·  Severe | 65 | | ·  Profound | 145 | | . Minimal to mild | 00 | | . Mild to moderate | 12 | | . Mod.to modtly severe | 8 | | . Modtly severe to sev. | 7 | | . Severe to profound | 11 | | . Moderate to severe | 0 | | . Sloping | 66 | | ***Ears tested having*** |  | | . Conductive hearing | 216 | | . Mixed hearing loss | 316 | | . SN hearing loss | 537 | | Clients with unil HL | 108 | | Clients with bil HL | 834 | | Ears with Aud. Dys-synchrony | 4 | | Clients with APD | 1 | | Clients with Funl HL | 14 | | Clients - tinnitus evaln | 16 | | Clients for PTA | 1013 | | Clients for Sp.Aud | 1023 | | Clients for Immitt. evln | 1017 | | Clients for OAE | 351 | | Clients for ABR | 295 | | Clients for VEMP | 5 | | Clients for VHIT | 2 | | Clients for BOA | 32 | | Clients for VRA | 15 | | Clients for LLR | 0 | | 1. **Hearing Aid Trial**  |  |  | | --- | --- | | **Hearing Aid Trial** |  | | No. of clients seen for HAT | 535 | | HAs prescribed at AIISH | 485 | | . Body level hearing aids | 29 | | ·    Analogue BTE | 75 | | ·    Digital BTE | 321 | | ·    Trimmer Digital BTE | 0 | | . Mini BTE | 17 | | ·    Digital ITE | 0 | | ·    Digital ITC | 2 | | ·    Digital CIC | 2 | | . Digital RIC | 39 | | No. of clients recommended | **114** | | ·    Auditory training | 96 | | ·    Speech reading | 18 | | HA prescribed on exchange | 1 | | Unaided/aided audiograms | 99 | | BOA | 8 | | Aided VRA | 5 | | Conditioning | 122 | | Programming of digital HA | 309 | | No. of IGO done | 0 | | EAC of hearing aids done | 1 | | Tretrial with CEM | 92 | | Recommended for ear plugs | 0 | | Unaided & aided LLR done | 0 |  1. **Counseling and Guidance**  |  |  | | --- | --- | | Total no. of counseled | **535** | | No. of clients counseled at AIISH | 535 | | No. of clients counseled at Camps | - | |

1. **Ear moulds**

|  |  |
| --- | --- |
| **Earmold lab** | |
| Clients ear imprn. taken | 413 |
| * New clients | 132 |
| * Old clients | 281 |
| Ear impressions taken | 855 |
| * Free-of-cost | 265 |
| * 100% payment | 443 |
| * At camp | 149 |
| * CPL impressions received | 2 |
| EMs completed | 740 |
| No. Mould Lacquered | 133 |
| No. of sound tube issued | 105 |
| Hard regular moulds | 92 |
| Hard shell mould made | 5 |
| Soft mould made | 354 |
| Hard canal moulds | 0 |
| Soft canal moulds | 9 |
| ITC impression made | 8 |
| Swimmer plug (soft) | 1 |
| Swimmer plug (hard) | 0 |
| No. of ear blocked | 1 |
| EMs with aco. modificns. | 0 |
| Clients seen at camp | 76 |
| CPL moulds completed | 2 |

***State wise statistics Revenue***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **States** | **Statistics** |  | **Sl.No.** | **Details** | **Amount** |
|  | Andhra Pradesh | 0 |  |  | Spares | 5915/- |
|  | Karnataka | 378 |  |  | Post | 210/- |
|  | Kerala | 27 |  |  | Making ear moulds | 103250/- |
|  | Tamil Nadu | 3 |  |  |  |  |
|  | Telangana | 0 |  |  |  |  |
|  | Others | 5 |  |  |  |  |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Age**  **group**  **yrs.** | **Hearing**  **Evaluation** | | **Hearing Aid**  **Trial** | | **Ear moulds** | |
| **Male** | **Female** | **Male** | **Female** | **Male** | **Female** |
| 0-1 | 9 | 7 | 5 | 3 | 11 | 23 |
| 2-5 | 58 | 60 | 85 | 73 | 67 | 63 |
| 6-10 | 44 | 31 | 28 | 20 | 38 | 36 |
| 11-15 | 24 | 16 | 11 | 8 | 12 | 8 |
| 16-20 | 22 | 15 | 2 | 8 | 9 | 5 |
| 21-25 | 32 | 22 | 9 | 4 | 6 | 7 |
| 26-30 | 35 | 26 | 4 | 4 | 3 | 1 |
| 31-35 | 32 | 30 | 6 | 1 | 7 | 2 |
| 36-40 | 34 | 25 | 10 | 2 | 5 | 0 |
| 41-45 | 28 | 18 | 7 | 4 | 3 | 3 |
| 46-50 | 34 | 38 | 8 | 5 | 6 | 5 |
| 51-55 | 32 | 19 | 9 | 6 | 7 | 6 |
| 56-60 | 41 | 23 | 20 | 7 | 8 | 5 |
| 61-65 | 42 | 32 | 17 | 10 | 13 | 7 |
| 66-70 | 58 | 21 | 35 | 14 | 9 | 5 |
| 71-75 | 52 | 17 | 40 | 9 | 11 | 3 |
| 76-80 | 35 | 11 | 20 | 11 | 7 | 3 |
| 81-85 | 18 | 7 | 17 | 2 | 2 | 2 |
| 86-90 | 6 | 4 | 8 | 1 | 5 | 0 |
| 91+ | 1 | 1 | 1 | 1 | 0 | 0 |
| **Total** | **637** | **423** | **342** | **193** | **229** | **184** |
| **1060** | | **535** | | **413** | |

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

1. **Implantable Hearing Devices Unit**

|  |  |
| --- | --- |
| **Implantable Hg. Devices Unit** | |
| **No. of cases seen** | **16** |
| 1. Non-ADIP | 8  1  7 |
| 1. ADIP-CI 2. RBSK-SAST |
| **No. of switch on** | **3** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 1  0  2 |
| **No. of sessions** | **17** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 9  1  7 |
|  |  |
| **Mapping for CI** | **14** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 6  1  7 |
| Aided audiograms for CI | 22 |
| **Troubleshooting CI devices** | **3** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 3  0  0 |
| Counselling for CI clients | **17** |
| 1. Non-ADIP 2. ADIP-CI 3. RBSK-SAST | 9  1  7 |
| BAHA trial | 1 |
| Candidacy for CI | 1 |
|  |  |

1. **Listening Training Unit**

|  |  |
| --- | --- |
| **Listening Training Unit** |  |
| Clients seen | 246 |
| Sessions taken | 1036 |
| Clients for whom demo therapy given | 18 |
| New clients | 30 |
| Repeat clients | 216 |
| Clients discharged | 13 |
| Clients discontinued | 13 |
| Pre-school sessions attended | 0 |
| Clients given training in Hindi | 24 |
| Clients with CI trained | 42 |
| Sessions for clients with CI taken | 212 |
| Clients with tinnitus attended therapy | 7 |
| Sessions for clients with tinnitus | 5 |
| Clients with ANSD | 0 |
| Sessions for clients with ANSD | 0 |
| Clients with hyperacusis | 0 |
| Clients with CAPD | 2 |
| Sesseionsforclientswith CAPD | 6 |
| Clients for speech reading | 0 |
| Clients for observn for HAT | 1 |

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

***Certificates Issued***

|  |  |
| --- | --- |
| Financial aid (pension of GOK) | 146 |
| Admission to deaf school | 0 |
| Physically handicapped | 0 |
| Tax exemption | 0 |
| Education scholarship | 0 |
| Driving licence | 0 |
| LIC | 0 |
| CI | 12 |
| Estimation certificate for hearing aids | 26 |
| Reimbursement letters | 5 |
| Certificate issued at camp | 0 |
| **Total** | **183** |

**PUBLIC EDUCATION AND OUTREACH SERVICES/**सार्वजनिकशिक्षाऔरआउटरीचसेवाएं

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

Dr. Manjula P., Professor in Audiology gave a live phone in programme in connection with having problems from sound pollution and remedies on 09.02.18 from 2.30 to 3.30 pm at Janadhwani 90.8 FM, Sarguru, H D Kote taluk, Mysuru

1. **Public lecture series- NIL**

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

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

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

**MAJOR EVENTS/**प्रमुख ईवेंट**-NIL**

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

**VISITORS/**आगंतुकों-

Valarine Looi & Ajim Shah from M/s. Advanced Bionics visited IHDU on 08.02.18 and discussed about research topics. IHDU members attended the program. Mr. Ajim Shah demonstrated software related to Advanced Bionics Cochlear Implant.

Mr. Devaiah from Cochlear Medical Device Pvt. India Ltd. handed over 6 cochlear implant kits of clients who were implanted under SAST-RBSK scheme to AIISH for switch on and rehabilitation.

**ANY OTHER/**कोई दूसरा- **NIL**

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

|  |  |
| --- | --- |
| **Dr. Asha Yathiraj** | * Member for selection of Audiology and Speech & Hearing Ph.D candidates for the year 2017-18 on 26.02.17 * Chairperson-BOS (Audiology), Guide & Chairperson of Doctoral committee * Chairperson of Audiology, M.Sc (SLP) and Special Education & Member of Speech and Hearing at UOM * Served as committee member as Chairperson of BOS (Audiology) for Ms. Apeksha’s pre-thesis colloquium on 27.02.18 |
| **Dr. Manjula P.** | * Member for selection of Audiology Ph.D candidates for the year 2017-18 on 26.02.17 * Member of Internal open viava-voce examination for Ph.D candidate, Ms. Roshini Pillai |
| **Dr. Rajalakshmi K.** | * Member for selection of Audiology Ph.D candidates for the year 2017-18 on 26.02.17 * Chairperson of committee to scrutinize the applications for the post of JRF & Software Engineer of extramural project |
| **Dr. Animesh Barman** | * Member for selection of Audiology Ph.D candidates for the year 2017-18 on 26.02.17 * Served as committee member for Ms. Apeksha’s pre-thesis colloquium on 27.02.18 |
| **Dr. Ajith Kumar U.** | * Member for selection of Audiology Ph.D candidates for the year 2017-18 on 26.02.17 * Served as Auditor for the Department of Speech Language Pathology on 08.02.18 * Member of Internal open viava-voce examination for Ph.D candidate, Ms. Roshini Pillai * Member of BOS-Audiology at UOM * Served as committee member as Guide and Chairperson Doctoral Committee for Ms. Apeksha’s pre-thesis colloquium on 27.02.18 |
| **Dr. Sandeep M.** | * Member for selection of Audiology Ph.D candidates for the year 2017-18 on 26.02.17 * Served as Auditor for Department of Clinical Services on 07.02.18 * Attended selection committee meeting on 12.01.18 for the post of JRF for the DST project on genetic analysis * Served as committee member for Ms. Apeksha’s pre-thesis colloquium on 27.02.18 |
| **Dr. Prawin Kumar** | * Member for selection of Audiology Ph.D candidates for the year 2017-18 * Served as HOD-POCD on 08.02.18 (Afternoon) * Member of committee to scrutinize the applications for the post of JRF & Software Engineer of extramural projectDeputy Chief Superintendent for the entrance exam for the admission to B.A.SLP / M.Sc (Aud), M.Sc (SLP) and M.Ed. Spl.Edn. (HI) program |
| **Dr. Devi N.** | * Deputy Chief Superintendent for the entrance exam for the admission to B.A.SLP / M.Sc (Aud), M.Sc (SLP) and M.Ed. Spl.Edn. (HI) program |
| **Mr. Sreeraj K.** | * NSS camp at Andaman & Nicobar Islands between 05.02.17 to 14.02.17 |
| **Dr. Geetha C.** | * Member of Learning Disability Clinic |
| **Mr. Prashanth P.** | * NSS camp at Andaman & Nicobar Islands between 05.02.17 to 14.02.17 * Deputy Chief Superintendent for the entrance exam for the admission to B.A.SLP / M.Sc (Aud), M.Sc (SLP) and M.Ed. Spl.Edn. (HI) program |
| **Mr. Arunraj K.** | * Served as Auditor for Administration (Security) on 08.02.18 |
| **Mr. Sharath Kumar** | * Dr. Sharath Kumar will supervise the clients handled by Mr. Arunraj during his leave from 23.02.18 to 09.03.18 |

1. **Others-**

|  |  |
| --- | --- |
| **Feedback –**  **February** | **Total: 20**  Very Good: 11; Good: 2; Satisfactory: 4; Not satisfied: 3 |
| **Contract Staff** | 1. Mr. Prashanth S.S. Software Engineer on contract basis under ARF project titled ‘Computer based audiological evaluation software’ from 22.01.18 for a period of 12 months. 2. Mr. D. Suresh Bhargav, Research officer under the project ‘The genetics of sensorineural hearing loss’ under Dr. Rajalakshmi K. has reported for duty on 23.01.18 (F/n) for a period of 12 months. 3. Mr. Dilip Kumar, Speech and Hearing Assistant was relieved on 02.02.18 and reported to duty after renewal on 06.02.18 (F/n) 4. Ms. Reesha O.A, JRF joined on 26.02.18 under the DST project of Dr. Prawin Kumar 5. Mr. Sudeesh K., JRF joined on 01.03.18 under the DST project of Dr. Sujeet Kumar Sinha |

ÌuÉpÉÉaÉÉkrÉ¤É-AÉäÌQûrÉÉåsÉeÉÏ /HOD – Audiology