ऑडियोलॉजी विभाग **/ DEPARTMENT OF AUDIOLOGY**

**मंत्ली रिपोर्ट / MONTHLY REPORT**

***FOR THE MONTH OF SEPTEMBER 2017***

**Monthly Statistics (From 1st to 30th September 2017)**

**ACADEMIC ACTIVITIES/ शैक्षणिक गतिविधियों**

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

**Orientation**

Mr. Karthik K. S., Clinical Specialist-Audiology from MED-EL visited IHDU and updated on the products during his visit on 14.09.17

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name of the resource person** | **Topic of lecture** | **No. of Participants** | **Date** |
|  | Ms. Tina H., Research Officer | Next generation newborn hearing screening | 38 | 06.09.17 |

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

**Journal Club**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No** | **Topic** | **Guide** | **Schedule** |
|  | Reference: Amanda I. Rodriguez, Megan L.A. Thomas, Denis Fitzpatrick &amp; Kristen L. Janky, (2017). Effects of High Sound Exposure During Air-Conditioned Vestibular Evoked Myogenic Potential Testing in Children and Young Adults. Ear &amp; Hearing, published ahead of print | Dr. Sujeet Kumar Sinha Reader in Audiology | 14.09.17 |
|  | Reference: Dawes, P., &amp; Munro, K. J. (2017). Auditory distraction and acclimatization to hearing aids. Ear and hearing, 38(2), 174-183. Highlights the importance of consistent hearing aid usage that supports nad enhances auditory acclimatization which reduces auditory distractions | Dr. Hemanth N. , Reader in Audiology | 21.09.17 |

**Clinical Conference**

|  |  |  |  |
| --- | --- | --- | --- |
| **Sl. No** | **Topic** | **Guide** | **Schedule** |
|  | Right: Mild sensorineural hearing loss and left: Moderate sensorineural hearing loss, | Mr. Sreeraj K.**Co-guide:** Mr. Jithinraj | 01.09.17 |
|  | Delayed Speech and Language with Hearing Loss | Dr. Asha Yathiraj | 15.09.17 |
|  | PD: Right ear- Minimal hearing loss, Left ear- Minimal sensorineural hearing lossDiagnostic criteria for the diagnosis of BPPV and its rehabilitation | Dr. Sujeet Kumar Sinha | 22.09.17 |

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

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **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. Pratibha Reddy, KLE, Belgaum, Jawaharlal nehru medical college | Dr. Rajalakshmi K.& Mr. Darga Baba | 1 | 01.09.17 |

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

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Workshop/Seminar** | **Organizer** | **Participants** | **Date** |
| **1.** | Fine tuning of digital hearing aids | Dr. Ramadevi, Ms. Mamatha N.M, Mr. Vikas, Mr. Jithin, Mr. Darga Baba & Dr. Sandeep M. | 36 (hearing aid users) | 08.09.17 (two batches) |
| **2.** | Workshop on Sign Language Interpretation by Mr. Rajkumar, Special Educator | Dr. Sandeep M. | 19 (Staff of the department) | 23.09.17 (Half day) |

1. **Attended:**

**Within AIISH-NIL**

**Outside AIISH-NIL**

1. **Guest lectures/Invited talks**
2. **Attended-NIL**
3. **Organised- 1**

|  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- |
| **No.** | **Resource Person** | **Topic of Lecture** | **Organizer** | **Participants** | **Date** |
| 1. | Dr. Shibasis Choudhry, Oticon Medical, U.K. | Digisonic cochlear implants | Dr. Manjula P. & Ms. Geetha C. | 38 | 22.10.17 (Half day) |

1. **Invited talks delivered by the Staff**
2. **Within AIISH: NIL**
3. **Outside AIISH: 3**

|  |  |  |  |  |
| --- | --- | --- | --- | --- |
| **No.** | **Name of the faculty** | **Topic of Lecture** | **Conference** | **Date** |
| 1. | Dr. Asha Yathiraj | Cochlear implantation in special cases | 3rd International conference on Audiological Sciences, KMC, Manipal University, Mangaluru | 22.09.17 |
|  | Dr. Asha Yathiraj | Fitting and programming of cochlear implants in children and adults’ | 3rd International conference on Audiological Sciences, KMC, Manipal University, Mangaluru | 22.09.17 |
|  | Dr. Ajith Kumar U. | Auditory plasticity and reorganization before and after cochlear implantation | 3rd International conference on Audiological Sciences, KMC, Manipal University, Mangaluru | 21.09.17 |

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

|  |  |
| --- | --- |
| Dr. Manjula P. | * Attended the convergence meeting of ‘Rashtriya Bal Swasthya Karyakram’ at District Health & Family Welfare Office, Nazarbad, Mysore on 21.09.17 (forenoon)
* Attended BOS meeting on 27.09.17 at Dharward
 |
| Mr. Prashanth Prabhu | * Deputed for a meeting on Revised Persons with Disability Act (RPWD) on 20.09.17 at Bangalore
 |

1. **Participation in Committees/Taskforces & Panels set-up by 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. **New research project initiated: Intra-mural- NIL**
4. **New research project initiated: 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 | 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** `(In lakhs) |
|  | Neural Correlates of Perceptual Learning of Non-Native Speech Sound Contrast Learning | To investigate the neural correlates of perceptual learning of non-native speech sound contrast learning | Dr. Ajith Kumar UDr. Santosh M. | ARF | 4.33 |
|  | Bithermal Caloric Test and Video Impulse Test for the Assessment of Unilateral Vestibular Pathologies | To identify association between pithermal and video | Mr. Niraj Kumar SinghDr. Rajashwari G. | ARF | 4.33 |
|  | Development of standardization of questionnaire to assess the outcome in adult hearing aid users  | To develop questionnaire inorder to assess the outcome in adult hearing aid users | Dr.Rajalakshmi K.Dr. RamadeviSreenivasMs. Mamatha N.M.,  | ARF | 4.33 |
|  | Effectiveness of SNR-50 and SNR loss in hearing aid evaluation | To evaluate the utility of SNR-50 and SNR loss in hearing aid evaluation | Dr. Manjula P.Ms. Megha | ARF | 4.33 |
|  | Development of hearing aid simulator | To develop a hearing aid simulator | Sujeet Kumar SinhaDr.Animesh Barman Dr. D.S. Guru, Dr. VijayakumarNarne | ARF | 2.15 |
|  | Development of 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. JayashreeShanbalDr. VijayakumaraNarne | ARF | 8.10 |
|  | Effect of Spatial Noise on Speech Identification | To determine the influence of noise similar to ‘R-SPACE’TM noise in speech identification | Dr. AshaYathiraj | ARF | 4.93 |
|  | Exploring Real World Aid Usage and Outcome: Current Indian Scenario | To acquire better insights into the aspects related to real world hearing aid outcome through focus group discussion and semi structured interview comparing with hearing aid usage | Dr. Manjula P. | ARF | 4.93 |
|  | Normative Data for click rate induced facilitation for assessing temporal intergration | Establishing normative for click rate induced facilitation in individuals with normal hearing and to test the same in individuals diagnosed with CAPD  | Dr. K.Rajalakshmi | ARF | 4.93 |
|  | Audiological and vestibular assessment in persons with osteoporosis and osteopenia |  | Dr. Prawin Kumar | ARF |  |
|  | Effect of Cochlear implantation and surgery technique on cervical vestibular evoked myogenic potential |  | Mr. SachchidanandSinhaDr. Niraj Kumar Singh | ARF |  |
|  | Impact of acoustic stimuli used for various measures of VEMP on the auditory system | The present study aimed at evaluating the effect of VEMP eliciting stimulus on functioning of cochlea | Dr. Niraj Kumar Singh | ARF | 15.04 |
|  | Contributory Factors of Hearing Handicap in individuals with Sensorineural hearing loss and auditory neuropathy spectrum Disorder (ANSD) | To compare scores of ‘Hearing Handicap Inventory for Adults’ between individuals withSNHL and ANSD. | Dr. Jjio P.M., Dr. Hemanth N., Dr. Ajith Kumar U. | ARF | 4.93 |
|  | Development of Auditory based Application software for Tinnitus treatement |  | Sr. Hemanth N. | ARF |  |
|  | Development of low frequency range word lists in Malayalam | To determine the speech identification scores in individuals with predominantly low frequency hearing loss | Mr. PrashanthPrabhu | ARF | 4.93 |

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

**Pre-thesis colloquium submitted**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Name** | **Topic** | **Guide** |
|  | M.K. Ganapathy | Effect of age and noise on acoustic change complex – An electrophysiological study | Prof. Manjula P |
|  | Sharath Kumar K.S.  | Effect of noise reduction algorithms (NRA) in hearing aids on acoustic and perceptual measures | Prof. Manjula P(Submitted with corrections on 24.07.17) |
|  | RoshniPillai | Auditory, visual and auditory-visual processing in children with learning disability  | Prof. AshaYathiraj |
|  | M.P. Reuben Jebaraj | Influence of hearing aid fitting strategies on speech recognition in individuals with sloping hearing loss | Prof. Manjula P |

1. **Under Progress: 23**

|  |  |  |  |
| --- | --- | --- | --- |
| **No.** | **Name** | **Topic** | **Guide** |
|  | Sreeraj K | Audiological profile and management of tinnitus in individuals with normal hearing | Prof. Manjula P |
|  | Megha | Auditory cognitive and neuro-physio -logical basis of hearing aid acclimatization  | Dr. Sandeep M |
|  | Jithin Raj B | Audiovisual perception of acoustically enhanced speech in individuals with auditory neuropathy spectrum disorders | Dr. Sandeep M |
|  | Priyanka V  | Temporal processing abilities audi -tory working memory and speech perception in noise in vocal musicians, violinists and non-musicians | Prof. Rajalakshmi K |
|  | Srikar V | Auditory continuity and perceptual restoration of speech in noise-relationship with speech intellibility in individuals with normal hearing and cochlear hearing loss | Dr. Animesh Barman |
|  | G. Nike Gnanateja | Effect of Speech intelligibility on the cortical entrainment to the temporal envelop of speech  | Dr. Sandeep M |
|  | KumariApeksha | Effect of noise and amplification on speech perception in individuals with auditory neuropathy spectrum disorder-electrophysiological and behavioural study | Dr. Ajith Kumar U |
|  | PrashanthPrabhu P | Amplification strategies to improve aided speech perception in individuals with auditory neuropathy spectrum disorder | Prof. Animesh Barman |
|  | Arunraj K | Clinical validation of Wide band absorbance Tympanometry in detecting middle ear disorders  | Prof. Animesh Barman |
|  | Jawahar Antony P | Stream percept with sinusoidally amplitude modulated stimuli and its relation with speech perception in noise in individuals with normal hearing and Sensorineural hearing loss | Prof. AnimeshBarman |
|  | Nisha K.V | Effect of training regime on behavioural and electrophysiological correlates of auditory spatial processing in individuals with sensorineural hearing loss | Dr. Ajith Kumar U |
|  | Pawan M | Investigation of mechanism underlying poor speech perception in individuals with cochlear hearing loss based on recovered envelope cues and the contribution of temporal fine structure cues in sequential segregation | Prof. Rajalakshmi K |
|  | Mamatha N.M | Effect of auditory processing abilities on academic performance in Kannada speaking primary school children | Prof. AshaYathiraj |
|  | Anu Prasad | Auditory processing in children with benign epilepsy with centro temporal spikes/rolandic epilepsy | Prof. 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 |
|  | Shreyaank | 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**
4. **Research Paper Publications/ Presentations**
5. **Presented at National/International Conferences /Seminars**

**National: 21**

**International conference on Audiological Sciences**

1. Mamatha HR, Prashanth SS, Hemanth N, Ajith Kumar U. (2017). Development of auditory based application software for tinnitus evaluation. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
2. Sindhu Parthasarathy, Jijo Pottakal Mithai, Hemanth Narayan Shetty, Ajith Kumar Uppunda (2017). Hearing Handicap and Psychoacoustic tests in individuals with cochlear pathology and auditory neuropathy spectrum disorder. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
3. Prawin Kumar, Niraj Kumar Singh, Raghunandana S, Aditi Gargeshwari, Raghav Hira Jha (2017). Altered middle ear transmission characteristics in osteopenia and osteoporosis. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
4. Akhila Chandrashekar, Janani Cariappa, Nayanika Ghosh, Prashanth Prabhu P (2017). Effect of different blood groups on efferent auditory system functioning in young adults with normal hearing. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
5. Tina Hephzibha, Asha Yathiraj (2017). Effect of continous noise on speech identification across different signal to noise ratios in children and adults: A pilot study. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
6. Sindhu P, Ajith Kumar U, Hemanth N. (2017). Working Memory and Speech Perception in Individuals with Cochlear Pathology and Auditory Neuropathy Spectrum Disorder. . Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
7. Kavitha G S , Sindhu P, Chandni Jain, Devi N. (2017). Effect of Musical Training on Psychophysical abilities and Working Memory in Children. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
8. Disha P Karnad, Mayelmit Lepcha, Prashanth Prabhu P. (2017). Contralateral suppression of distortion product otoacoustic emissions input output functions in young adults with normal hearing. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
9. Niraj Kumar Singh, Sachchidanand Sinha, Nirnay Kumar Keshree, Shenal Kothari, Sudhir Kumar, Prawin Kumar (2017). Effect of cochlear implantation on saccular responses assessed using cervical vestibular evoked myogenic potential. . Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
10. Sam Publius A, Shezeen Abdul Gafoor, Varsha M Athreya, Niraj Kumar Singh (2017). Assessment of semicircular canals and otolith function in individuals with motion sickness. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
11. Ishu, Maithri, Prashanth Prabhu (2017). Acceptable noise level: Effect of transducer and type of masker in individuals with cochlear and retrocochlear pathology. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
12. Manjula P, Ishu (2017). Relationship between usage and outcome of hearing aids. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
13. Anaswara Prasannan, Akhila Chandrashekhar, Jesteena Joy & Prashanth Prabhu P (2017). Diurnal changes in binaural integration abilities in morning-type and evening-type individuals with normal hearing. . Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
14. Niraj Kumar Singh, Sujan Mirle Jagadeesh, Nirmala Jagadish, Anup Ghimire (2017). Comparison of children with congenital profound hearing impairment with and without delayed motor milestones on measures of cVEMP, oVEMP and vHIT. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
15. Rajalakshmi Krishna, Prashasthi Poovaiah, Pratibha Nagalakshmi NG, Rajith BN (2017). Click rate induced facilitation as a tool to measure temporal integration in children with normal hearing and those with hearing impairment. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
16. Kondli Nagaraj Megha, Koratagere Narayanaswamy Divyashree, Aishwarya Lakshmi, Sugathan Adithya, Kunnupurath Puthenveedu Keerthana, Zeena Venkatacheluvaiah Pushpalatha, Sreeraj Konadath (2017). NB-Chirp and tone burst ABR as an early indicator of hidden hearing loss in industrial workers exposed to occupational noise. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
17. Vidhya Suresh, Bharathi M Vimal, Sreeraj Konadath (2017). Development of phonemically balanced word lists for adults in the malayalam language. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
18. Vidhya Suresh, Prashanth Prabhu, Jithin Raj B (2017). Development of high frequency word lists in malayalam. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
19. Rajesh Kumar, Vinayagar PT, Raja Suman, Ganapathy MK (2017). Speech evoked Binaural Interaction Component - A comparison of subjective and objective method. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
20. Prashanth Prabhu P, Shanthala SP, Nirmala J. (2017). Test re-test reliability of stimulus frequency otoacoustic emissions in young adults with normal hearing. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.
21. Ehteshaam Khatri, Chandan Kumar Nayak, Vikas MD, Ganapathy MK (2017). Multi-frequency tympanometry in older adults with mixed hearing loss. Presented during the 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.

 **International: NIL**

1. **Research Papers Published**

**In-house publications: NIL**

**NationalPublications: 1**

* Devi N, Amritha G, Tanniru K (2017). Effects of nonlinear amplification on differential sensitivity measures in individuals with cochlear hearing impairment. Indian Journal of Otology 2017, 23:162-7

**International Publications: 1**

* Prabhu, P. & Barman, A. (2017). Effectiveness of low-cut modified amplification strategy and channel-free hearing aids in individuals with auditory neuropathy spectrum disorder.*International Journal of Audiology, 56 (10),*759-766.*.*10.1080/14992027.2017.1323123.
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-

|  |  |
| --- | --- |
| **Dr. Rajalakshmi K.** | International Journal of AudiologyJournal of Audiology & Otology |
| **Dr. Animesh Barman** | Reviewed three abstracts of ICAS |
| **Mr. Vikas M.D.** | Reviewer of Education research journal |

1. Journal Editorship

***Dr. Manjula P.***

Associate Editor (Hearing)-JAIISH

***Dr. Sandeep M***

Managing Editor-JAIISH

***Dr. Prawin Kumar***

Editor-JISHA

***Mr. PrashanthPrabhu***

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

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

|  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- | --- |
| 1. **Hearing Evaluation**

|  |  |
| --- | --- |
| Clients seen in OPD | 1347 |
| Clients seen at JC block | 1036 |
| Clients seen in camps | 0 |
| ***Ears with diff degrees of HL***  |  |
| ·  Normal hearing | 385 |
| ·  Minimal | 200 |
| ·  Mild | 217 |
| ·  Moderate | 335 |
| ·  Moderately severe | 48 |
| ·  Severe | 318 |
| ·  Profound | 294 |
| . Minimal to mild | 1 |
| . Mild to moderate | 16 |
| . Mod.to modtly severe | 19 |
| . Modtly severe to sev. | 18 |
| . Severe to profound | 52 |
| . Moderate to severe | 4 |
| . Sloping | 67 |
| ***Ears tested having***  |  |
| . Conductive hearing       | 197 |
| . Mixed hearing loss | 281 |
| . SN hearing loss | 482 |
| Clients with unil HL  | 105 |
| Clients with bil HL | 823 |
| Ears with Aud. Dys-synchrony | 3 |
| Clients with APD | 3 |
| Clients with Funl HL | 6 |
| Clients - tinnitus evaln | 24 |
| Clients for PTA  | 1019 |
| Clients for Sp.Aud | 1003 |
| Clients for Immitt. evln | 1029 |
| Clients for OAE  | 236 |
| Clients for ABR  | 277 |
| Clients for VEMP  | 2 |
| Clients for VHIT | 0 |
| Clients for BOA  | 32 |
| Clients for VRA  | 13 |
| Clients for LLR | 1 |

 | 1. **Hearing Aid Trial**

|  |  |
| --- | --- |
| **Hearing Aid Trial** |  |
| No. of clients seen for HAT | 426 |
| HAs prescribed at AIISH | 331 |
| Body level hearing aids | 31 |
|  - ADIP | - |
| * Purchased
 | - |
| ·    Analogue BTE | 0 |
| ·    Digital BTE | 231 |
| ·    Trimmer Digital BTE | 0 |
| . Mini BTE | 17 |
| ·    Digital ITE | 0 |
| ·    Digital ITC | 3 |
| ·    Digital CIC | 2 |
| . Digital RIC | 57 |
| No. of clients recommended  | 76 |
| ·    Auditory training  | 65 |
| ·    Speechreading | 11 |
| HA prescribed on exchange | 2 |
| Unaided/aided audiograms | 72 |
| Aided VRA  | 6 |
| Programming of digital HA | 170 |
| No. of IGO done | 0 |
| EAC of hearing aids done | 4 |
| Tretrial with CEM | 71 |
| Recommended for ear plugs | 0 |
| Unaided & aided LLR done | 2 |

1. **Counseling and Guidance**

|  |  |
| --- | --- |
| Total no. of counseled  | **440** |
| No. of clients counseled at AIISH | 440 |
| No. of clients counseled at Camps | 0 |

 |

1. **Ear moulds**

|  |
| --- |
| **Earmold lab** |
| Clients ear imprn. taken | 178 |
| * New clients
 | 52 |
| * Old clients
 | 126 |
| Ear impressions taken | 323 |
| * Free-of-cost
 | 102 |
| * 100% payment
 | 217 |
| * At camp
 | 0 |
| * CPL impressions received
 | 4 |
| EMs completed | 323 |
| No. Mould Lacquered | 77 |
| No. of sound tube issued | 73 |
| Hard regular moulds | 36 |
| Hard shell mould made | 0 |
| Soft mould made | 119 |
| Hard canal moulds | 0 |
| Soft canal moulds | 0 |
| ITC impression made | 0 |
| Swimmer plug (soft)  | 12 |
| Swimmer plug (hard)  | 0 |
| No. of ear blocked  | 1 |
| EMs with aco. modificns. | 1 |
| Clients seen at camp | 0 |
| CPL moulds completed | 4 |

 ***State wise statistics Revenue***

|  |  |  |  |  |  |  |
| --- | --- | --- | --- | --- | --- | --- |
| **Sl.No.** | **States** | **Statistics** |  | **Sl.No.** | **Details** | **Amount** |
|  | Andhra Pradesh | 0 |  |  | Spares | 5260 |
|  | Karnataka | 144 |  |  | Post | 195 |
|  | Kerala | 9 |  |  | Making ear moulds | 39580 |
|  | Tamil Nadu | 4 |  |  |  |  |
|  | Telangana | 4 |  |  |  |  |
|  | Others | 14 |  |  |  |  |

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

|  |  |  |  |
| --- | --- | --- | --- |
| **Age****group****yrs.** | **Hearing****Evaluation** | **Hearing Aid****Trial** | **Ear moulds** |
| **Male** | **Female** | **Male** | **Female** | **Male** | **Female** |
| 0-1 | 15 | 6 | 4 | 0 | 10 | 5 |
| 2-5 | 91 | 52 | 78 | 35 | 30 | 14 |
| 6-10 | 34 | 27 | 18 | 21 | 9 | 13 |
| 11-15 | 20 | 17 | 11 | 5 | 7 | 8 |
| 16-20 | 26 | 23 | 2 | 3 | 5 | 3 |
| 21-25 | 40 | 21 | 14 | 7 | 5 | 6 |
| 26-30 | 31 | 37 | 6 | 6 | 5 | 2 |
| 31-35 | 26 | 33 | 5 | 4 | 1 | 1 |
| 36-40 | 31 | 16 | 5 | 2 | 8 | 1 |
| 41-45 | 28 | 28 | 4 | 4 | 1 | 5 |
| 46-50 | 28 | 30 | 5 | 10 | 0 | 0 |
| 51-55 | 28 | 18 | 11 | 5 | 10 | 3 |
| 56-60 | 41 | 33 | 16 | 11 | 2 | 5 |
| 61-65 | 44 | 25 | 10 | 6 | 2 | 2 |
| 66-70 | 49 | 22 | 29 | 8 | 5 | 3 |
| 71-75 | 31 | 17 | 15 | 14 | 2 | 0 |
| 76-80 | 34 | 6 | 21 | 6 | 2 | 1 |
| 81-85 | 14 | 4 | 11 | 6 | 2 | 0 |
| 86-90 | 6 | 1 | 6 | 1 | 0 | 0 |
| 91+ | 3 | 0 | 1 | 0 | 0 | 0 |
| **Total** | 620 | 416 | **272** | **154** | **106** | **72** |
| **1036** | **426** | **178** |

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

1. **Implantable Hearing Devices Unit**

|  |
| --- |
| **Implantable Hg. Devices Unit** |
| No. of cases seen | 11 |
| 1. Non-ADIP
 | 5 |
| 1. ADIP-CI
 | 6 |
| No. of switch on | 1 |
| 1. Non-ADIP
 | 0 |
| 1. ADIP-CI
 | 1 |
| No. of sessions | 15 |
| 1. Non-ADIP
 | 6 |
| 1. ADIP-CI
 | 9 |
|  |  |
| Mapping for CI | 12 |
| 1. Non-ADIP
 | 3 |
| 1. ADIP-CI
 | 9 |
| Aided audiograms for CI | 7 |
| Troubleshooting CI devices | 3 |
| 1. Non-ADIP
 | 3 |
| 1. ADIP-CI
 | 0 |
| Counselling for CI clients | 15 |
| 1. Non-ADIP
 | 6 |
| 1. ADIP-CI
 | 9 |
| BAHA trial | 0 |
| Candidacy for CI | 1 |
|  |  |

1. **Listening Training Unit**

|  |  |
| --- | --- |
| **Listening Training Unit** |  |
| Clients seen  | 233 |
| Sessions taken | 720 |
| Clients for whom demo therapy given | 7 |
| New clients | 23 |
| Repeat clients | 210 |
| Clients discharged | 6 |
| Clients discontinued | 11 |
| Pre-school sessions attended | 0 |
| Clients given training in Hindi  | 23 |
| Clients with CI trained | 33 |
| Sessions for clients with CI taken | 98 |
| Clients with tinnitus attended therapy | 8 |
| Sessions for clients with tinnitus | 15 |
| Clients with ANSD | 0 |
| Sessions for clients with ANSD | 0 |
| Clients with hyperacusis | 0 |
| Clients with CAPD | 1 |
| Sesseionsforclientswith CAPD | 4 |
| Clients for speech reading | 0 |
| Clients for observn for HAT | 1 |

**Clinical Support Services/** नैदानिक ​​समर्थन सेवाएं

***Certificates Issued***

|  |  |
| --- | --- |
| Financial aid (pension of GOK) | 115 |
| Admission to deaf school  | 0 |
| Physically handicapped | 0 |
| Tax exemption | 1 |
| Education scholarship | 0 |
| Driving licence | 2 |
| LIC | 0 |
| CI | 2 |
| Estimation certificate for hearing aids | 22 |
| Reimbursement letters | 0 |
| Certificate issued at camp | 0 |
| **Total** | **142** |

**PUBLIC EDUCATION AND OUTREACH SERVICES/**सार्वजनिक शिक्षा और आउटरीच सेवाएं

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

Ms. Mamatha N.M. presented on the topic ‘Causes of hearing loss’ during the Monthly Public Lecture on 01.09.17. Biomedical students from Mangalore participated for the same.

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

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

***Best Paper Awards***

***Presented during 3rd International conference on Audiological Sciences organized by the Department of Audiology & Speech Language Pathology, Kasturba Medical College, Manipal University, Mangaluru from 21st- 23rd September, 2017.***

1. Mamatha HR, Prashanth SS, Hemanth N, Ajith Kumar U. (2017). Development of auditory based application software for tinnitus evaluation.
2. Sindhu Parthasarathy, Jijo Pottakal Mithai, Hemanth Narayan Shetty, Ajith Kumar Uppunda (2017). Hearing Handicap and Psychoacoustic tests in individuals with cochlear pathology and auditory neuropathy spectrum disorder.
3. Prawin Kumar, Niraj Kumar Singh, Raghunandana S, Aditi Gargeshwari, Raghav Hira Jha (2017). Altered middle ear transmission characteristics in osteopenia and osteoporosis.
4. Akhila Chandrashekar, Janani Cariappa, Nayanika Ghosh, Prashanth Prabhu P (2017). Effect of different blood groups on efferent auditory system functioning in young adults with normal hearing.
5. **EXTRA CURRICULAR ACTIVITIES/**पाठ्येतर गतिविधियां**-NIL**

**MAJOR EVENTS/**प्रमुख ईवेंट**-**

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

**VISITORS/**आगंतुकों-

|  |  |  |
| --- | --- | --- |
| **Date** | **Visitors** | **No.** |
| 01.09.17 | Electronics and communication engineering studnets from Canara Engineering College, Mangalore | 40 |
| 15.09.17 | Students and Staff from Department of Psychology, SDC, Shri Saraswathi Thyagaraja College, Pullachi, Tamil Nadu | 50 |
| 15.09.17 | Students and staff from Department of Education, Avinashalingam University, Coimbatore, Dept. of Special Education | 54 |
| 26.09.17 | Mr. Derek Minihane, Vice President, Sound Processors and Clinical care, Research and development, visited IHDU | 1 |

**ANY OTHER/**कोई दूसरा

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

|  |  |
| --- | --- |
| Dr. AshaYathiraj | * Board of examiner for PG (Speech and Audio), BASLP, B.Sc (Sp. & Hg.) & Special Education
 |
| Dr. Animesh Barman | * Relieved as Vice President -AIISH-Gymkhana
* Board of examiner for Post graduates students (Speech and Audio)
 |
| Dr. Ajith Kumar U. | * Member for reviewing of existing recruitment rules
* President of AIISH-Gymkhana
 |
| Dr. Ajith Kumar U. | * Relieved form looking after the duties of ISO implementation cell
 |
| Dr. Prawin Kumar | * Relieved as CBCS coordinator w.e.f 11.09.17. The same has been taken over by Ms. Parimala N.
* Assessment for extension of contract employees
 |
| Dr. Sandeep M. | * Chairperson of purchase committee w.e.f 29.08.17
 |
| Dr. Prawin Kumar  | * Relieved as CBCS coordinator w.e.f 11.09.17. The same has been taken over by Ms. Parimala N.
* Assessment for extension of contract employees
 |
| Ms. Mamatha N.M. | * Study leave of Ms. Mamatha N.M., lecturer in Audiology has been sanctioned from 14.09.17 to 13.09.18
 |
| Dr. Devi N. | * Formats for assessment for extension of contract employees was designed and submitted
 |
| Dr. Geetha C. | * Formats for assessment for extension of contract employees was designed and submitted
 |
| Mr. Sreeraj | * Coordinated to conduct Skill test for the post of clerk for LTU on 01.09.17
* Prepared FAQs
 |
| Mr. Prashanth Prabhu | * Prepared FAQs
 |
| Mr. Jithinraj | * Visited a bedridden patient at Bangalore and provided audiological services at his door step
 |
| Mr. Vikas M.D. | * Polloing officer for Gymkhana elections
 |
| Ms. Yashawsini L. | * Polloing officer for Gymkhana elections
 |

1. **Others-**

|  |  |
| --- | --- |
| **Feedback** | Feed back from clients-September : 27Very Good-8, Good-11, Satisfactory-4, Not-Satisfactory: 4 |
| **Configuration rules for audiological evaluation** | ***For online appointments******Prior appointment*** *: 1 month,* ***Total number of appointments per day****: 5 days (including OPD & Evaluation in all 3 wings)* |
| **Upcoming workshops** | National Seminar on Management of Central Auditory Processing Disorders & National Seminar on Listening Training for persons with Hearing Impairment  |
| **Appointment** | 1. Dr. Hemanth N. joined as Reader in Audiology on 08.09.17
2. Ms. Merin Mathews joined as Research officer under SERB-DST project of Dr. Rajalakshmi K. from 15.09.17
3. Mr. Jamrud khan joined as junior research officer under SERB-DST project of Dr. Rajalakshmi K. from 18.09.17
4. Ms. Suma C., Lower Division Clerk joined for part time (Half day) under HDDU scheme w.e.f 19.09.17
 |

QûÉä.xÉÇSÏmÉ LqÉ. /Dr. Sandeep M.

 ÌuÉpÉÉaÉÉkrÉ¤É-AÉäÌQûrÉÉåsÉeÉÏ /HOD – Audiology