



# SH 2030 WORLD CONGRESS 2015

1<sup>st</sup> World Congress on Ear and Hearing Care

Under the aegis of Society for Sound Hearing



12<sup>th</sup>-14<sup>th</sup> February, 2015

India Habitat Centre, New Delhi, India

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## **SUMMARY**

***First World Congress on Ear & Hearing Care*** on theme titled ‘**Action towards better hearing**’ was a landmark event organized by Sound Hearing 2030 under the aegis of Society for Sound Hearing in collaboration with CBM, Ministry of Health & Family Welfare GOI, Ministry of Culture and Tourism GOI, World Health Organization and Indian Council of Medical Research, New Delhi, India.. It was organized at the India Habitat Centre, New Delhi, India from 12<sup>th</sup>-14<sup>th</sup> Feb 2015.

This event had special focus on Primary ear and hearing care across different regions of the globe. Discussions spanned around all aspects of the early diagnosis, management and rehabilitation of hearing loss. With participation of over 450 eminent otorhinolaryngologists, audiologists, public health experts and policy makers from across 32 countries, the World Congress aimed at:

- Promoting sustainable community hearing care
- Facilitating early diagnosis, management and rehabilitation of hearing loss
- Providing a platform to bring together stakeholders from across the globe
- Sharing the best practices
- Facilitating incorporation of bullet actions of deliberations in policy & programmes of different countries

Distinguished faculty from across the world attended the three-day program included topics that covered a spectrum of topics related to community ear and hearing care. The Congress included three tracks that were designed to include the following scientific themes:-

- Magnitude and Epidemiology of Hearing Loss in Global and Indian context
- Barriers and challenges in action towards better hearing
- Role of international agencies in action towards better hearing
- Development of national strategies for ear and hearing care
- Modern technologies and entrepreneurship for better hearing
- Current perspectives in cochlear implants
- Strategies for neonatal and infant hearing screening
- Strategies for management of otitis media
- Noise induced hearing loss: can we control it?
- Integrating ear and hearing care with eye care
- Promotion of education and inclusion of persons with hearing loss
- Advocacy and health promotion for better hearing

During the Congress, state of the art information was provided along with the opportunity of hands-on experience through two workshops on **Hands on wet cadaveric temporal bone training** and **Current Perspectives in Hearing Aids** held at Maulana Azad Medical College, New Delhi.

Dr Arun Kumar Agarwal and Dr. Suneela Garg, Directors Society for Sound Hearing International were the Chairperson and Organising Secretary for the Congress respectively. Dr Achal Gulati, Director Professor, Department of ENT, Maulana Azad Medical College was the Chairman of Scientific Committee. Dr MM Singh, Dr Ritesh Singh, Dr. Tanu Anand and Deeksha Khurana facilitated scientific proceedings.

## INAUGURATION

### Inauguration of Scientific Programme

The Scientific Programme of the World Congress was formally inaugurated on 12<sup>th</sup> Feb 2015. Dr. Jagdish Prasad, Director General of Health Services, Ministry of Health and Family Welfare, Government of India and Chief of Cardiac Surgery, Vardhman Mahavir Medical College and Safdarjung Hospital, New Delhi was the Special Guest for the function.

Dr. Arun Kumar Agarwal (Congress Chairperson), Dr Suneela Garg (Organizing Secretary), Mr. Dave McComiskey (President, CBM), Dr. Sara Varughese (Regional Director, CBM), Dr Achal Gulati (Coordinator- Scientific Committee) and Dr Shelly Chadha (Technical Officer, WHO-HQ) were present on the dais.



The welcome address was delivered by Dr. A.K. Agarwal. Dr Suneela Garg thanked CBM, faculty members, delegates and industry partners for attending the Congress from different parts of the globe. Dr. Achal Gulati briefed the delegates about the various scientific activities planned over the next three days in the congress.

During his inaugural speech Dr Jagdish Prasad congratulated Sound Hearing 2030 for holding the first ever Congress focusing on action towards better hearing. Dr. Jagdish Prasad in his address briefed the gathering about the commitment of government to reduce the preventable and avoidable deafness in the country by expanding the scope of the National Programme for the Prevention and Control of Deafness (NPPCD) to the whole country. The other members on the dais also shared their words of wisdom with the audience.

The Saraswati Vandana was sung by the MBBS students of the Maulana Azad Medical College, New Delhi. The delegates from Indonesia sang the theme song of the Society for Sound Hearing. A beautiful *Rangoli* was drawn.



### **DAY 1 (12<sup>th</sup> FEB 2015)**

The first plenary session of the congress on 'Magnitude and epidemiology of Hearing Loss in Global and Indian context' was dedicated to Dr. Md. Alaudin. It began at 0930 hours. The chairpersons were Mr. Dave McComiskey, Dr. A K Agarwal and Dr. Prangopal Datta. The rapporteurs were Mrs. Shilpi Narang and Ms. Deeksha Khurana. The first talk of the plenary was given by Dr. Shelly Chadha on 'The rising prevalence of hearing loss'. She presented the WHO global and region specific data on the hearing loss. She also mentioned the DALYs lost due to hearing impairment and various causes of deafness. Dr. Chamaiparn Santikarn from World Health Organization, SEARO delivered a talk on 'Provision of hearing care: Global Status'. She described the WHO document-Multi-Country Assessment of National Capacity to Provide Hearing Care.

The second plenary session focused on 'Barriers and challenges in action towards better hearing - Part I'. The chairpersons were Mr. Michael Chowen, Dr. Bolajako Olsunya and Dr. Santosh Kacker. The rapporteurs were Ms. Kriti Gulati and Ms. Deeksha Khurana. The first talk was given by Dr. Isaac Macharia on 'Barriers to ear and hearing care in LMICs'. He provided the insights in barriers in implementing the primary ear and hearing care. The second talk on the topic 'Barriers and challenges faced by NGOs in providing ear and hearing care' was given by Ms. Silvana Mehra. She emphasized that there are not enough ear and hearing care work in community based rehabilitation. The last talk was given by Dr. Suneela Garg on 'Barriers and challenges in action towards better hearing from gender perspective'. She outlined the barriers and possible solutions in providing primary ear and hearing care to female population.

The next plenary session started after the tea break at 1130 hours. The theme was 'Barriers and challenges in action towards better hearing - Part II'. The chairpersons were Dr. Norberto Martinez and Dr Xingkuan Bu. The rapporteurs were Ms. Kalika Gupta and Dr. Piyush Gupta.



The first talk was given by Ms. Sally Harvest on 'Barriers and challenges faced by persons with hearing loss'. She showed how stigma associated with hearing loss affects day to day life of the individuals affected with hearing loss. The next talk on 'Switched on for life: benefits for children from access to hearing loss care' was delivered by Dr. Mohan Kameswaran. 'Fallacies in Audiological assessments' was presented by Dr. Anirban Biswas.

### **Inauguration of Congress Programme**

Inaugural of 1<sup>st</sup> World Congress on Ear and Hearing Care took place at 1245 hours in the Stein Auditorium of the venue. The master of ceremony was Mrs. Shilpi Narang. Following dignitaries were present on the dais: Mr. Dave McComiskey, Dr. Sara Varughese, Dr. A. K. Agarwal, Dr. Bulan and Dr. Suneela Garg. The Swagatam song was sung by hearing impaired students of a school in Delhi. The lamp lighting was done. Gayatri mantra was sung by a 5 year old rehabilitated hearing impaired child. Dr. A. K. Agarwal welcomed the guests in his inaugural speech. He said that much has been done in the country since the launch of the NPPCD in select districts of India in 2006. However, he stressed that it is not the time to be complacent and work more hard to replicate the success story of the programme in every district of the country. Later Dr. Sara Varughese and Mr. Dave McComiskey addressed the gathering. Mr. Dave McComiskey presented the global burden of deafness and told the august gathering that this congress would be a wakeup call for the governments to formulate policy guidelines for the early diagnosis and proper treatment of avoidable deafness. The vote of thanks was delivered by Dr. Suneela Garg. She said that the hearing impairment is a public health problem in the developing countries and the respective governments should urgently address this hidden agenda. She stressed the importance of screening of infants and children for hearing impairment so that the problem of deafness is identified early; these children rehabilitated and thus could lead a normal life. The inauguration ceremony ended with the National anthem of India.





### **Awards**

In recognition of the decades of dedication, careful work and persistence in the area of ear and hearing care, the Organizing Committee was honored to confer upon FIVE EXPERTS the ***Lifetime Achievement Award***. This award was presented to them during the 1<sup>st</sup> World Congress on Ear & Hearing Care organized from 12<sup>th</sup>-14<sup>th</sup> Feb 2015 at New Delhi, India. The experts who were awarded the Lifetime achievement award were:-

- Lady Jean Wilson, UK
- Mr. Micheal Chowen, UK
- Dr Peter Albert, Canada
- Dr S.K. Kacker, India
- Dr Suchitra Prasansuk, Thailand

### **Release of Congress proceedings & CBM Manual**

During the inaugural ceremony the proceedings of the World Congress was released by Mr. Dave McComiskey, President CBM.



The CBM manual “Assistive Devices and Technology” was released during the inaugural programme of the World Congress. The manual was also released by Mr. Dave McComiskey, President CBM. The manual is in the series of manuals that are published by CBM.



The first session post-lunch on the first day started with the theme of ‘Role of international agencies in action towards better hearing’. The chairpersons were Dr. Arthur Frank, Ms. Silvana Mehra and Dr. Rakesh Shrivastava. The rapporteurs were Dr. Tapas Nair and Ms. Kriti Gulati. The first talk on ‘Role of INGOs in action towards better hearing’ was delivered by Dr. Sara Varughese. Later Dr. Shelly Chadha pointed the ‘Role of WHO in action towards better hearing’. The ‘Role of Global advocacy groups in action towards better hearing’ was told by Dr. Jackie Clark. She said that there are gaps between potential demand and reality. She also showed the mission of Coalition for Global Hearing Health. The ‘Role of Civil society groups in action towards better hearing’ was presented by Ms. Ruth Warick. Dr. Karan Sharma presented the ‘Role of professional bodies in action towards better hearing’. He showed how the professional bodies like association of ENT doctors and audiologist association can make a difference in the lives of hearing impaired individuals. The ‘Role of public health organizations in action towards better hearing’ was delivered by Dr. Jugal Kishore. He showed the public health perspectives of the problem and how associations like IPHA can tackle this.

The round table on development of national strategies for primary ear and hearing care started at 1600 hours. The chairpersons were Dr. Madan Upadhyay, Dr Damayanti Soetjito and Dr. Jackie Clark. The rapporteurs were Dr. Madhan Kumar and Dr. Kalika Gupta. The concept of Healthy Ear District was presented by Dr. Bulantrisna Djelantik. The ‘Need for National strategies’ was presented by Dr. Suneela Garg. She presented the salient points which should be incorporated in the strategies. Different models of strategies for ear and hearing care from across the globe was presented by Dr. A.K Agarwal (India), Dr. Xingkuan Bu (China), Mr. Kamrul Hassan Tarafder (Bangladesh), Dr. Mostafa Detsouli (Morocco), Dr. Damayanti Soetjito (Indonesia), Dr. Mazin Al-Khabori (Oman), Dr. George Savy (Seychelles), Dr. Rakesh Shrivastava (Nepal), Dr. Uta Froeschl (Zambia), Dr. Margarita Acosta (Argentina) and Dr. Peter Thorne (Pacific Islands). The speakers presented the burden of deafness in their respective countries and the strategies of the respective governments to control it.



## **DAY 1 (FREE PAPERS)**

The first free paper session on the theme 'Epidemiology of ear diseases and hearing loss' was simultaneously running in a different hall of the venue. The chairpersons were Dr. Patricia Castellanos and Dr. Nandini Sharma. The rapporteurs were Dr. Akanksha Tomar and Dr. Piyush Kumar Gupta. Papers presented during the session are annexed with the report.

The day ended with a memorable visit to Swaminarayan Akshardham with breathtaking laser show followed by inaugural Dinner supported by International Vaish Federation.

## **DAY 2 (13<sup>th</sup> FEB 2015)**

The second day of the congress began with free paper sessions. The free paper sessions were simultaneously running in three different halls.

The plenary sessions on Day 2 started with the topic of 'Modern technologies and entrepreneurship for better hearing?' The chairpersons for the session were Dr Bulantrisa Djelantik, Dr S R Savithri and Dr Xingkuan Bu. The first talk of the plenary session was delivered by Dr Jackie Clark on the topic "Diagnostic audiology: recent developments and their public health importance". She mentioned about innovative technology in audiology with focus on employing tele-health. This was followed by a talk on "WHO preferred product profiles of hearing aids?" by Dr Bradley McPherson. A talk on 'Hearing aids: The Rapid-fit alternative' was presented by Brother Andrews. He spoke about the Hearing Express Tool Kit and discussed the distribution model of the same. "Role of Teleaudiology in better Hearing" was presented by Dr Roopa Nagrajan. The talk on "Practical utility of assistive devices" was delivered by Dr A K Sinha. He enlightened the audience with problems faced by the users of Hearing Aids/ Cochlear Implants. The last talk of the session was delivered by Mr. Anup Narang on "India Spearheading development in hitech affordable hearing aids". He explained how Alps redefined Super Power by developing the next generation Digital Super Power. The session was followed by discussion.

There was also a parallel session on 'Modern technologies and entrepreneurship for better hearing?' at 9.30 am. The chairpersons for the session were Dr S K Kacker, Dr Ronny Suwento and Dr Mazin Al Khabori. This session comprised two talks one on "Improving access to ear surgery in community by Dr. Achal Gulati and other on "Surgical camps: an option for providing surgical care" by Dr Arjun Dass. A panel discussion on New advances in middle ear surgery was moderated by Dr Achal Gulati and the panelists included Dr Rakesh Shrivastava, Dr Norberto Martinez, Dr A H Joarder, Dr Mostafa Detsouli, Dr Saurabh Varshney, Dr Rajiv Michaeland Dr J C Passey

The next plenary session was on theme titled "Community-based interventions for better ear and hearing". The chairpersons were Dr A S Bais, Dr Suneela Garg and Ms Sally Harvest. The rapporteurs were Dr. Shantanu Sharma and Dr. Kalika Gupta. The first talk was given by Ms.

Sally Harvest on “Challenges Living with Acquired Hearing Loss”. This was followed by a talk on ‘Development of IEC Material for Prevention of Hearing Loss: Our Experience’ by Dr Neelima Gupta. She spoke about the importance of IEC activities in action towards better hearing. Dr. SV Singh elaborated on Community based Interventions for better ear and hearing care. He covered a number of aspects including manpower development, Protocol for Screening School Children and Infant Hearing screening strategies during the talk. Dr. George Tavarkiladze presented a talk on Early diagnosis and rehabilitation of hearing loss in children. Subsequently Dr SR Savithri spoke on “Need and relevance of captioning as a strategy for inclusion of persons with hearing loss”. Ms Dagmar Herrmannova elaborated on ‘International Rehab Academy & Education and charity support of deaf children in emerging markets’. Ms. Patricia Castellonas presented the CBM’s perspective on Ear & Hearing Care. The talk on ‘World wide hearing care for Developing Countries – the Community Approach’ was delivered by Brother Andrews. The last talk of the session on ‘Initiatives of local Municipal corporation for inclusion of disability sector’ was presented by Dr Varsha Bhagat.



A symposium was conducted by Medel India Pvt. Ltd, focused on the theme ‘Current perspectives in cochlear implants’. The chairpersons were Dr JC Passey and Dr. Bulantrisna Djelantik. The rapporteurs were Ms. Deeksha Khurana & Dr Madhan Kumar. The introductory talk was given by Mr. Tejinder Singh on ‘Synergizing ear and hearing perspective in Cochlear Implants’. The second talk on

‘Challenges for developing a cochlear implant program for India- Lessons learnt from Tamil Nadu’ was given by Dr. Sudha Maheshwari. The talk on ‘Funding- Do we need the government’ was delivered by Dr Neelam Vaid. The final talk of the session was given by Mr. Ranjith Rajeswaran on ‘Satellite centres- A new experience and lessons learnt’. The session ended with discussion.

Subsequent to Medel symposium, two parallel sessions were conducted on:

1. ‘Strategies for neonatal and infant hearing screening’. The chairpersons were Dr Charlotte Chiong, Dr Karan Sharma and Dr Rakesh Shrivastav. The first talk of the session was given by Dr Noberto Martinez on ‘WHO recommendations for Neonatal and Infant Hearing Screening’. He talked about the Current issues and Guiding Principles for Action in Newborn and Infant Hearing Screening. Next talk was given by Dr. Bolajoko O. Olusanya on ‘Strategies for Neonatal and Infant Hearing Screening: An analysis of existing models’. The talk on ‘Newborn Hearing

Screening: Philippine Experience' was delivered by Dr. Charlotte M. Chiong. Experiences of Neonatal & Infant Hearing Screening from China, Qatar and Oman were presented by Dr Xingkuan Bu, Dr Khalid Hadi and Dr Subirendra Kumar respectively. The last talk on 'Structure of a universal and quality control newborn hearing screening programme' was given by Mr. Peter Bottcher.

2. The second parallel session on Day 2 was on 'Strategies for management of otitis media'. The chairpersons were Dr Naresh Panda, Dr JC Passey and Dr Kamrul Hassan Tarafder. The talks delivered during the session included Epidemiology, risk factors and impact of otitis media in India by Dr Rupa Vedantam, Barriers to Otitis Media care by Dr G S Meena, Strategies for Otitis Media prevention: are they effective? by Dr Anand Job and making OM treatment accessible by Dr Ratna Retsuti.

### **DAY 2 (FREE PAPERS)**

The theme for first free paper session was "Modern technologies for better ear & hearing care; Integrated approaches for ear care; Innovative strategies for raising awareness". There were 9 speakers in all. The chairpersons for the session were Dr. Ronny Suwento and Dr. Achal Gulati. The rapporteurs were Dr. Akanksha Saxena and Dr. Piyush Kumar Gupta. The theme of second session was 'Rehabilitation & Care of Hearing Impaired'. 6 speakers from across the globe presented their research in these sessions. The chairpersons for the sessions were Dr. Madan Upadhyay and Dr. S.V. Singh. They were assisted by rapporteurs Dr. Tapas Nair and Dr. Shantanu Sharma. The theme of third free paper session was 'Noise induced hearing loss; Ototoxic hearing loss and Miscellaneous'. 7 speakers presented their research during this session. The chairpersons for the sessions were Dr. Shelly Chadha and Dr. Ritesh Singh. They were assisted by rapporteurs Dr. Akanksha Tomar and Dr. Kalika Gupta. (Details enclosed, describe later as first day) Papers presented during the session are annexed with the report.

Day 2 ended with a Gala Dinner organized by Society for Sound Hearing with support from Ministry of Culture and Tourism at Hotel Ashok. The highlight of the evening was cultural performance by school children from DPS Panipat who presented to the audience glimpses of India through various dance forms.

### **DAY 3 (14<sup>th</sup> FEB 2015)**

The plenary session started at 0930 hours with the topic of '**Noise induced hearing loss: can we control it?**' The chairpersons for the session were Dr Bradley Mc Pherson and Dr Arthur Frank. The rapporteurs were Dr. Shantanu Sharma and Dr. Tapas Nair. The first talk of the plenary session was given by Dr. Bulantrisna Djelantik on the topic 'Less Noise City'. She stressed that number of cities is increasing each year in almost all countries of the world. She showed some strategies to control the noise produced by the upcoming cities. The talk was followed by another talk on 'Is control of noise in living and working environments possible?' by Dr. T K Joshi,

Visiting Professor Drexel University School of Public Health and Fellow Faculty of Occupational Medicine, Royal College of Physicians, London. He said that the level of sound in our day to day life is too much and it is possible to control it if we take appropriate measures. A talk on 'Recreational noise and its impact on home and society' was imparted by Dr. Jackie Clark. He told about the various personal devices which youth uses regularly can damage their hearing in long run. He showed the recommended usage guidelines of these personal audio devices. The important findings of the research 'Impact of mobile phone usage on hearing and health' was presented by Dr. Saurabh Varshney. The talk on 'International standards for noise, its Legislations and where the buck stops' was delivered by Dr. Arthur Frank. He enlightened the audience with various noise control measures followed in many countries of the world. The last talk of the session was delivered by Dr. Arthur Frank himself on 'Taking responsibility: the role of industry'. He provided the data of USA on the loss to exchequer due to noise produced by various industries. The session was followed by discussion.

The subsequent plenary session was held from 1130 hours in the main auditorium of the congress venue. The theme of the plenary session was 'Integrating ear and hearing care with eye care'. The chairperson was Dr. Arthur Frank. The rapporteurs were Dr. Madhan Kumar and Dr. Akanksha Tomar. The first talk was given by José Juan Barajas de Prat on 'Aid and Countries Development'. He emphasized the importance of donor agency in eliminating preventable and avoidable deafness. This was followed by a talk on 'Need for and relevance of integration of eye and ear care' by Dr. Ritesh Singh. He talked about the various problems faced by a big country like India and the problems of tackling them with limited resources. Integrating the ear services to the successful running blindness prevention programme in country is one way to cut cost and get quick results. The models of Nepal and India were presented by Dr. Bindeshwar Mahato and Dr. Nishi Gupta respectively. Dr. Bindeshwar Mahato elaborated his efforts in integrating ear and hearing with eye care model of integrated service delivery at Biratnagar Eye Hospital in Nepal. Dr. Nishi Gupta presented a model of training technicians posted at vision centers in ear and hearing care and providing both ear and eye care services at these vision centers.

The parallel sessions were held post-lunch on

1. 'Promotion of education and inclusion of persons with hearing loss'. The chairpersons were Dr. A. K. Singh and Dr. Saurabh Varshney. The rapporteurs were Dr. Akanksha Saxena and Ms. Deeksha Khurana. The first talk of the session was given by Ms. Sally Harvest on 'Increasing accessibility for persons with hearing loss'. She talked about the rollercoaster ride which a hearing impaired individual goes through his life. Next talk was given by Mr. D P K Babu on 'Barriers and challenges in Education of persons with Hearing loss'. He deliberated on various barriers and possible solutions in education for the hearing impaired. The talk on 'Learning sign languages: is it relevant for all' was delivered by Dr. Surinder Randhawa. 'An integrated approach to preparing children for inclusion in the mainstream setting' was presented by Ms. Paige Stringer. He elaborated the work done by the global foundation for children with hearing loss, a programme run in Vietnam. The talk on 'Speech & language therapy for children with



hearing impairment' was given by Dr. S R Savithri. She says that SLPs play an important role in promoting communication abilities. The last talk on 'Challenges in inclusive education in schools' was delivered by Ms. Archana Jain.

2. Simultaneous 'E-Posters' were presented in different halls on the themes of 'Noise induced hearing loss; Rehabilitation & care of hearing impaired; Epidemiology of ear diseases and hearing loss' and 'Miscellaneous'. The chairpersons of the first e-poster were Dr. Madan Upadhyay and Dr. M.M Singh. The rapporteur was Dr. Shantanu Sharma. The chairpersons of the other e-poster session were Dr. Bulantrisna Djelantik and Dr. Ritesh Singh. The rapporteur was Ms. Kriti Gulati.

The last plenary session was held at 1600 hours at the main auditorium. The theme was 'Advocacy and health promotion for better hearing'. The chairpersons were Dr. George Tavarkiladze, Dr. Achal Gulati and Dr. Suneela Garg. The rapporteurs were Ms. Kriti Gulati and Dr. Kalika Gupta. The first talk was given by Dr. Isaac Macharia on 'Advocacy for hearing health in a changing world. He presented the CBM's perspective on this matter during his deliberation. The second talk on 'Raising awareness at the global level: actions required' was given by Dr. Shelly Chadha. She highlighted the various tools to be used for advocacy at global level. The talk on 'Training of Human Resources in ear & Hearing care: A WHO perspective' was delivered by Ms. Sally Harvest. She showed the Primary Ear and Hearing Care Training Resource material prepared by the World health Organization. 'Creating and Managing a self-sustaining Ecosystem' was presented by Ms. Ruchika Singhal. She presented the Medtronic Global Health Initiative. The 'Role of alternate systems of medicine for better hearing' was delivered by Dr. Tanuja Nesari. She presented the role of Ayurveda in treating ear problems. She also outlined the treatments available in Ch. Brahm Prakash Ayurved Charak Sansthan, New Delhi. This was followed by discussion.

### **VALEDICTORY CEREMONY**

The Congress concluded with the Valedictory Ceremony that started at 1700 hours in the main auditorium.

Dr Arun Agarwal initiated the ceremony by requesting some of the important delegates to give their perspective of how they felt about the World Congress. Firstly **Mr. Dave McComiskey** was invited to the dais to present his thoughts. He congratulated the organizers for the successful organization of the World Congress and again emphasized that in line with



the CBM's motto "Together we all can do more", the collective efforts of all the professionals will go a long way in reducing avoidable deafness.



**Dr. Sara Varughese** expressed that the legacy of the Congress should continue and she would look forward towards being part of the Second World Congress.

**Dr. Shelly Chadha** mentioned that the Congress was a platform which brought together experts from all over the globe and present their best practices. This would facilitate the countries to implement the learning of the Congress and develop

strategies for ear and hearing care.

**Mr. Michael Chowen** thanked the organizers for putting up an informative and enlightening World Congress. He expressed his special thanks to Dr Shelly Chadha for her exemplary contribution to the area of avoidable deafness in her capacity as Technical Officer at WHO-HQ.

**Dr. Bradley Mcpherson** emphasized that this congress would be a wakeup call for the governments to formulate policy guidelines for the early diagnosis, management and proper treatment of avoidable deafness. Dr. Arun Kumar Agarwal delivered the concluding remarks.



Dr Achal Gulati, coordinator of Scientific Committee and Dr MM Singh, member of the Scientific Committee announced the awards for the best paper presentations in the oral and e-poster category. The winners and first runners up were presented mementos and certificates. Mementos were also presented to the facilitators of the Congress including the Sound Hearing 2030 staff. A special mention was made of the sign language interpreters for their facilitation during the Congress. During the valedictory ceremony, the vote of thanks was delivered by Dr. Suneela Garg. The Congress ended with the play of Indonesian song which is now the theme song of the Society for Sound Hearing 2030.

### **DAY 3 (FREE PAPERS)**

The third day of the congress began with free paper session on the theme of 'Promoting sign language; Otitis Media; Infectious diseases of the ear' at one of the hall of the congress venue. There were 9 speakers in all. The chairpersons for the session were Dr. Rakesh Srivastava, and Dr. Anand Job. The rapporteurs were Dr. Madhan Kumar and Dr. Kalika Gupta. The two free paper sessions were simultaneously running in two different halls. The themes of these two sessions were 'Congenital Hearing Loss; Neonatal & infant hearing screening programme' and 'Developing human resources for ear & hearing care; developing ear and hearing care at national and subnational level; barriers and challenges to access ear and hearing care'. 16 speakers from across the globe presented their research in these sessions. The chairpersons for the sessions were Dr. Bradley Mcpherson, Dr. Neelima Gupta and Dr. Kamrul Hassan Tarafdar, Dr. G.S. Meena respectively. They were assisted by rapporteurs Dr. Akanksha Saxena, Dr. Piyush Kumar Gupta and Dr. Tapas Nair, Dr. Akanksha Tomar respectively.

The last scientific session of the congress was free paper presentation on the theme 'Miscellaneous'. The chairpersons were Dr. Damayanti Soetjipto and Dr. Saurabh Varshney. The rapporteurs were Dr. Ritesh Bansal and Dr. Madhan Kumar. Papers presented during the session are annexed with the report.

### **LAURELS TO SH 2030 SECRETARIAT STAFF FOR THEIR UNTIRING EFFORTS**



## ANNEXURE- ORAL PRESENTATIONS SCHEDULE

**Day 1: 12<sup>th</sup> Feb, 2015**

**Theme I: Epidemiology of ear diseases and hearing loss**

<b>S. No.</b>	<b>Title of abstract</b>	<b>Presenter</b>
1.	Otitis media in Indonesian urban and rural school children	Ratna Anggraeni
2.	Prevalence of Otitis Media with Effusion among Children in Xi'an, China	Qing ZHANG
3.	Estimated prevalence of hearing loss and provision of hearing services in Pacific Island Nations	Peter Thorne
4.	Epidemiology and risk factors of otitis media in Indian children	Rupa Vedantam
5.	Prevalence of severe to profound sensorineural deafness in school children in West Bengal, India	Suniti Chakrabarti
6.	Prevalence of preventable ear disorders in over 15000 school children in northern India	Ankush Sayal
7.	Knowledge and Practices regarding common ear problems in children amongst parents attending O.P.D. in an Urban Health Centre in Central Delhi	Tanu Anand
8.	Prevalence of common ear disorders and knowledge, attitude and practice of patients attending a secondary level hospital in a rural area of Delhi	Kalika Gupta

**Theme II: Noise induced hearing loss**

<b>S. No.</b>	<b>Title of abstract</b>	<b>Presenter</b>
1.	Occupational noise exposure, awareness, attitudes, use of personal hearing protection devices among Liquefied Petroleum Gas Cylinder Infusion Factory workers	Kaluthantrige Piumi Ayeshika Perera
2.	Acoustic Trauma In The Howitzer 105 Artillery Weapon Gunner	Sigit Sasongko
3.	Noise Induced Emission Loss in steel industrial	Dr. Tri Juda Airlangga
4.	Hearing Safety Program in Vocational Secondary Schools in Lhokseumawe and North Aceh District, Indonesia	Indra Zachreini
5.	Knowledge, attitudes and practices on Noise Induced Hearing Loss among Factory workers of two dairy product manufacturing factories in	Krishna Hansajie



	Gampaha District, Sri Lanka	
6.	Noise awareness on travelling in rural area of Raja Ampat – West Papua Province, Indonesia	Titus Taba
7.	Noise Induced Hearing Loss, a result of factory expertise at Antsiranana (Diego-Suarez), Madagascar	Randrianarisoa Theodore
8.	Hearing status after dual treatment with interferon and ribavirin in Chronic Hepatitis C patients, preliminary study	Anuradha Sharma

**Day 2: 13<sup>th</sup> Feb, 2015**

**Theme III: Modern technologies for better ear & hearing care; Integrated approaches for ear care; Innovative strategies for raising awareness**

S. No.	Title of abstract	Presenter
1.	Ocular and cervical vestibular-evoked myogenic potentials in children before and after cochlear implant	Qing Zhang
2.	Emerging technologies and its profound impact on hearing loss mitigation	Ananth Annaswamy
3.	Development and implementation of E-Technology for Management of Projects for persons with communication disorders in rural areas (E-MPOWER)	Roopa Nagarajan
4.	Integrating ear and hearing with eye care: model of integrated service delivery in Nepal	Bindeshwar Mahato
5.	Innovative strategies for raising awareness about ear and hearing care	Bhanu Pratap Singh
6.	Awareness of urban public about ear and hearing care	Santhoshi Thalla
7.	Age related changes in cervical vestibular evoked myogenic potential	Kaushlendra Kumar
8.	Outcome of new born and infant hearing screening with two methods of DPOAE and AABR for early detection of hearing impairment	Nyilo Purnami
9.	Neonatal Hearing screening – our experience	Neelam Vaid

**Theme IV: Rehabilitation & Care of hearing impaired**

S. No.	Title of abstract	Presenter
1.	Pilot study to evaluate children with hearing aids through PEACH and TEACH in a rural	Lingamdenne Paul Emerson

	community	
2.	High risk indicators for hearing impairment in children- a preliminary data	Arun Raj K.
3.	ECAP as guidelines for mapping and factors that influence its value	Semiramis Zizlavsky
4.	Challenges of living with Acquired Hearing Loss: Multiple layers of support required for Hard of Hearing	Sally Harvest
5.	Challenges in implementing a universal infant hearing screening program: lessons from pilot at a government hospital	Sheelu Srinivas
6.	Outcome of newborn hearing screening programme in tertiary care hospital	Kriti Gulati
7.	Out of the box solution based on bi-directional data transmission between test device and tracking center for universal screening programs	Hans Oswald
8.	Evaluation of Otoacoustic Emission (OAE) for Hearing Screening in preterm infants < 34 weeks	Pirabu Sakthivel

#### **Theme V: Noise induced hearing loss-II; Ototoxic hearing loss; Miscellaneous**

<b>S. No.</b>	<b>Title of abstract</b>	<b>Presenter</b>
1.	The effect of gentamicin on otacoustic emission in experimental animals rabbits	Nirza Warto
2.	Excessive Exposure to Loud Recreational Music Can Be Harmful: How Aware Are Our Youngsters	Neelima Gupta
3.	Threats of NIHL in vocational schools students in Indonesia	Damayanti Soetjipto
4.	General Awareness among people of Delhi and NCR regarding the scope of practice of Audiologist and Speech Language Pathologist	Ankur Kumar
5.	Quality of life assessment in elderly with diagnosed and undiagnosed hearing impairment using WHOQOL-BREF (hindi): a survey across Delhi and NCR.	Sanchi Sachdeva
6.	Using tuning fork to set appropriate volume position of hearing aids for binaural benefits in individuals with hearing impairment	MS Ansari
7.	An alternative strategy for universal infant hearing screening in tertiary hospitals with a high delivery rate, within a developing country, using transient evoked oto-acoustic emissions and brainstem evoked response audiometry.	Rajiv Dhawan

8.	Rehabilitation needs of cochlear implanted children- challenges and solutions	Janani Jeyaraman
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### **Theme VI: Community based interventions for sound hearing**

S. No.	Title of abstract	Presenter
1.	Community triage of otology patients using store and forward tele otology device	Nishi Gupta
2.	Community based interventions for parents, family members and neighbourhood for sound hearing	Saraswathi Narayanaswamy
3.	Shruti i Hear Project- A Study of Prevalence of Ear Diseases in Selected Population of Hyderabad with ENT review,an Autoscope with Monitor.	L Sudarshan Reddy
4.	There is Ability in disAbility	Usharani K
5.	Mass fitting of Hearing Aids: Kenyan Experience with the Starkey 3 phase community based hearing health care model	Isaac Macharia
6.	Tele-auditory brainstem response for diagnostic testing in a community based hearing screening program	Vidya Ramkumar
7.	Study of ear morbidity among primary school children in two government primary schools located in urban area of Delhi	Dr Himanshu Shekhar
8.	Early intervention to inclusion - role of special educator in bridging the gap – a Case Study	T. Geetha
9.	Impact of hearing loss on general health, mental health and quality of life.	Sanjay K Munjal
10.	Early detection and treatment of hearing loss in Argentina, when public health policies based on social equity	Acosta Maria

**Day 3: 14<sup>th</sup> Feb, 2015**

### **Theme VII: Promoting sign language; Otitis Media; Infectious diseases of the ear**

S. No.	Title of abstract	Presenter
1.	Indonesian outreach ear surgery programme on management of chronic otitis media	Soekirman Soekin
2.	Hearing screening services for the elderly in the field situation	Bulantrisna Djelantik
3.	Role of cortical mastoidectomy on the results of tympanoplasty in tubotympanic type of chronic suppurative otitis media	Sunil Garg

4.	Prevalence of Otitis Media in urban slums of Delhi	Neeraj Chawla
5.	School Health Screening Program for Ear Problems in a combined Eye And Ear Health Screening Program In Nepal	Sanjeev Kumar Thakur
6.	Awareness about neonatal aural hygiene among urban and rural parents areas of Delhi and NCR	Phenex Solanki
7.	Epidemiology of Otitis Media in children residing in a resettlement colony of Delhi	Shantanu Sharma
8.	Correlation between Noise intensity in Heat Shock response with Hsp 70 and caspase 3 expression in ultra structure region of Rattus Norvegicus's cochlea	Yusa Hermanto
9.	Diagnosis of otosclerosis through audiological tastes and the clinical efficacy in pre-operative conditions	Siba Prasad Sahoo

#### **Theme VIII: Congenital Hearing Loss; Neonatal & infant hearing screening programme**

S. No.	Title of abstract	Presenter
1.	Association of risk factors with permanent hearing impairment in infants	Heramba Ganapathy. S
2.	Update on The Genetic Basis of Hearing Loss in the Saudi Arabian Population: Diagnosis, Early intervention, and Prevention	Mohammed Al-Owain
3.	National program for early detection of hearing loss in the state of Qatar	Khalid A.Hadi
4.	Parent's Attitude and Awareness about Universal Neonatal Hearing Screening	Himanshu Verma
5.	A survey on the global status of newborn and infant hearing screening	Katrin Neumann
6.	High risk indicators for hearing impairment in children- A preliminary data	Arun Raj K.
7.	Noise Pollution Reality – Whole Body Vibrations and its impact	Kalyani N. Mandke

#### **Theme IX: Developing human resources for ear & hearing care; developing ear and hearing care at national and sub-national level; barriers & challenges to access ear & hearing care**

S. No.	Title of abstract	Presenter
1.	Success and challenges to access ear and hearing care by the community	Shantanu Das Gupta



2.	Supporting and Implementing a National Project to foster the Access to Health and Education for Children and Youth with Hearing Impairment in Papua New Guinea	Micheal Lulu
3.	Mobiles for mobility or morbidity. The Choice is ours.	Naresh K Panda
4.	Challenges in fitting advanced technology hearing aids in LMIC	Patricia Castellanos

### **Theme X: Miscellaneous**

S. No.	Title of abstract	Presenter
1.	Retrospective study on the hearing improvement and perforation rates in 121 myringoplasties	Chen Yang
2.	Development of the Stria Vascularis in Miniature Pigs	Yan Zhang
3.	Aid and Countries Development	Jose Juan Barajas de Prat
4.	A comparative study of the audiological outcomes observed with use of incus and artificial types of prostheses in ossiculoplasty	Akanksha Saxena
5.	Knowledge, Attitude and Practices of People Regarding Hearing Loss and Ear Care in an urban area of Delhi	Tapas Sadasivan Nair
6.	Speech Identification Test in Telugu: Considerations for High-frequency Hearing Loss	S. B. Rathna Kumar
7.	Knowledge and Practices of Parents regarding common ear problems and ear care in children at a rural hospital in North West Delhi	Piyush Kumar Gupta
8.	Need of English language education to the children with hearing loss	Kalaivani K