

## ANNEXURE-III (BEST PRACTICES)

### **BEST PRACTICE-I**

#### **1. Title of the Practice**

EARLY IDENTIFICATION of Hearing loss in New borns” A Standardized protocol to identify hearing loss in newborns

#### **2. Objectives of the Practice**

The main objectives of this practice is to establish a standardized protocol for hearing screening in all the new born babies by conducting a screening test which will be hassle free for the babies as well as mothers

- **To identify the hearing loss in newborns**

Hearing loss in new borns is not recognized at the earlier stages because the auditory milestones will be noticed at different stages as the child grows. Focusing on to the early identification of hearing loss, this screening procedure in our hospital will screen all the babies who are born in the hospital.

- **To develop a standardized protocol for newborn hearing screening in hospitals**

It is difficult to convince the mothers of the babies who are born to undergo this screening test. Our standardized protocol which focuses on the brief description of the test procedure including the team work approach will foster the consent from the mothers to carry out screening test for their babies

- **To construct a structural rehabilitation measures for newborns who are having hearing loss**

Early identification leads to early intervention keeping this in mind the screening procedure will give us information about the newborns status of hearing, whether further diagnostic tests have to be done at this point to confirm the diagnosis

- **To follow the universal newborn hearing screening programme recommended by WHO**

Universal New Born Hearing Screening Programme has designed a structural protocol to execute the new born hearing screening programme. Our programme follows the guidelines given by the universal new born hearing screening programme as per the suggestion laid down by WHO.

- **To find out the incidence of hearing loss in newborns**

The main outcomes of this hearing screening programme will give us a quick inference on the hearing status of all the babies who are born. This data can be further analyzed to find the incidence of hearing loss in newborns. As this test is cost effective and non- invasive, in a hospital like ours running a graduate level

programme in speech and hearing in which the students will get a thorough hands on training in new born hearing programme

### **3. The Context**

Father Muller Charitable Institution is one of the reputed institutions in India providing health care services. Our hospital has all the facilities with state of art equipments for providing the professional health services at affordable cost.

Keeping this in mind the hospitals paediatric department has provided a space for constructing a noise free environment room to carry out this quick hearing screening procedure for newborns. Our sound treated room which is in the NICU premises is indigenous and enables us to carry out the hearing screening programme

### **4. The Practice**

**The new born hearing screening programme is designed with the standardized protocol as per universal new born hearing screening programme**

- Information to the mothers regarding hearing loss in new born's and importance of new born hearing screening programme - Initially a brochure which contains detail information regarding the newborn hearing screening will be given to the mothers.
- The audiologist will explain the details of the procedures to the concerned mother and obtain a consent from each mother individually
- The babies will undergo physical examination from the pediatrician prior to the screening test
- The babies are brought to the specially designed sound treated room which is infection controlled
- The babies are required to be calm and quiet while performing the procedure

The results of the screening test will be handed over the parents immediately which contains detailed information about the test findings and recommendation given by the audiologist for further evaluation.

### **5. Evidence of Success**

- This is a indigenous screening test performed in our hospitals which screens all the babies who are born in the hospital. During the screening if any babies fail this test a thorough counseling will be given for the next follow up of detailed diagnostic test. This has lead to a large rate of follow up the babies so that a confirmatory diagnosis can be attained at the earlier stage.
- As this procedure is performed to all the babies who are born in the hospital, parents coming from the remote areas have complimented this procedure for the ease of the test which is carried.

## **6. Problems Encountered and Resources Required**

- Even though this test is non-invasive and harmless to the newborns, some mothers fail to give their full consent for the screening test. However a counselor who is particularly appointed for giving all the information of the test will be required to reduce the anxiety levels of mothers.
- The government health ministry should make a mandatory rule in all the district hospitals for such a type of hearing screening programme.

## **BEST PRACTICE- II**

### **1. Title of the Practice**

Effective goal oriented speech therapy sessions by installing Close circuit televisions for monitoring as well as enhancing the security system of the speech therapy session

### **2. Objectives of the Practice**

The main aim of this practice is to facilitate a monitoring system for the speech therapy supervisors and to enhance the security system in the speech therapy cabins.

- The system has enhanced the promptness amongs the student clinicians in executing the therapy goals as per the suggestions given by the therapy supervisors.
- The system is indigenous in this part as it also provides a direct feedback about the live therapy sessions.
- The system enhances the security system of the therapy cabins as in case of any emergencies it will help to prevent the further crises in the therapy cabin.

### **3. The Context**

Father Muller Charitable Institution is a premier institution in this part with two campuses housing the various colleges and comprising 5000 students including under graduates, post graduates and research scholars. In this context, the sincerity and punctuality of the students is very important so as to bring them as quality health care professionals for the developing country. Moreover the live monitoring of the therapy session will allow students to improve their performance in therapy by effectively applying the specific goals.

### **4. The Practice**

The System has been designed with the objective of obtaining all appropriate methods of speech therapy as required by the different types of stakeholders (cases).

The primary function of CCTV monitored therapy session is to bring quality in speech therapy to all stakeholders. Since we deal with clients of various behavioural

disorders, the student clinician's security should be considered as well so as to reduce the misbehaviour or conduct by the therapy clients.

- The therapy supervisor will be able to view the live therapy sessions through the monitor placed in the staff room.
- The head of the department can view the live therapy session and discuss regarding the activities for each therapy session.
- The Principal of the college can cross cheque the therapy activities along with the activities mentioned in the lesson plan.

**5. Evidence of Success**

- The major advantage of this practice is that a structured way of speech therapy activities can be performed in a specific schedule.
- The progress report showed positive growth in the clients (stake holders/cases) overall communication development.
- Students have shown special interests in developing various activities for a particular goal for each therapy sessions.

**6. Problems Encountered and Resources Required**

- As it is monitored by cameras, certain parents do not like to video monitoring of their children who undergo speech therapy.
- Students (student clinicians) hesitate to perform naturally with the hesitation/fear of CCTV monitors which will be displayed in the staff room.
- CCTV monitoring system in the speech therapy cabins can be made mandatory across all speech and hearing colleges.
- Periodical servicing of the cameras are required.

