



# SMC89 FOUNDATION

## EVERY LIFE MATTERS

### SMC89 Foundation- NBS Screening

This is a non profitable foundation started by Siddhartha Medical college 89 batch students as we are eager to pay back to the society where we were trained as doctors. The main areas of focus of our foundation are on health, education and research activities related to health issues of society. As a part of this, we have chosen NBS (Newborn screening) program as our first project.

SMC89 Foundation would like to start and sponsor the NBS programme as a pilot project for two years at Government General Hospital, Vijayawada which is affiliated to Siddhartha Medical College and NTR University of Health Sciences because it is our parent Institute.

#### **Congenital Hypothyroidism (CHT)**

Congenital Hypothyroidism has significant morbidity if not treated in a timely manner. This is a simple condition which can be easily managed with medication, parent education and regular follow ups. Recent data from various studies have shown an incidence rate of 1:500. We are starting this as a pilot project for two years starting from January 2022 to January 2024. We have liaised with Life Cell laboratory for ongoing heel prick sample screening for CHT. The cost of the Life Cell is contributed by SMC89 Foundation.

#### **Logistics and action plan:**

- To emphasise on parent education by distributing parent education material through pamphlets, posters and social media about NBS programme.
- Parents are given this material at their antenatal visits.
- Train the paediatric staff or other equivalent staff to take a heel prick samples from the babies.
- Coordinating with OBG team as most of the normal deliveries and caesarian section mother are under their care. We were informed that a normal delivery mother usually discharges on day 3.
- We are expecting around 30-35 babies per day.
- Samples taken are stored at an allocated place to be collected by Life Cell Laboratory.
- Establish protocols for testing, treating, counselling the diseases screened and follow up.
- All the positive reports will be delivered to the concerned paediatrics department for confirmation, parental counselling, starting treatment and regular follow ups.
- Data storage for sharing and quality of the care and quality improvement programmes
- Help the post graduates to use the data for their thesis work and also help them to publish their research articles in both national and international journals.