

# CREATION OF RESEARCH SUBGROUPS



## **SUBGROUPS IN RESEARCH**

**Genetics & Reproductive Health**

**OMICS**

**Cognitive Neurosciences**

**Biomedical Devices**

**Bleeding Disorder**

**Oncology**

**Inborn errors of metabolism and immunity**

**AYUSH**

**Sepsis**

**One Health**

**Tuberculosis**

**Malaria**

**Fungal Diseases**

**Music, Dance and Health**

**Educational Research**

**Operational Research**

**Health & Demographic Surveillance System (HDSS)**

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## **WORKSHOP ON SEPSIS MANAGEMENT BY SEPSIS RESEARCH SUBGROUPS**

Sepsis is a life-threatening condition commonly encountered in health care facilities. The true burden of sepsis remains unknown in rural Indian population. There are important differences in the geographic, infecting pathogens and population at risk in low-resource settings necessitating context-specific approaches to this significant problem. Mortality of severe sepsis is around 50% in low-income countries. Early diagnosis and prevention of progression of infections to sepsis is cost effective and improves the outcomes.

### **AIM**

The aim of this study group is to explore the epidemiology of sepsis in rural Indian population and formulate methods to improve its outcome.

### **Broad objectives**

- To understand the epidemiology, prevalence, risk factors, etiology, clinical characteristics and outcomes of sepsis among neonates, pediatric and adult age groups including maternal sepsis in the state of Telangana and India. To study the seasonal and regional variations in prevalence of sepsis in rural Telangana.
- Develop and validate simplified scoring systems that can be applicable at community level for early identification of sepsis. To develop and validate an algorithm (clinical + biomarker-based) for early recognition of sepsis at community level.

## **Sepsis Awareness Program 13<sup>th</sup> and 15<sup>th</sup> September 2021**

Sepsis Research Group, AIIMS Bibinagar conducted two programs on 13th September and 15th September 2021 on the occasion of World sepsis day.

On 13th September 2021- A CME was organised for all the faculty and nursing officer's.  
Dr.Kiran, Dr.Mounika, Dr.Shailu and Dr.Bhushan delivered topics related to importance of sepsis pathogenesis, diagnostic, management and preventive roadmap.

On 15th September 2021 Sepsis Research Group went to the community at PHC, Bommallaramaram and conducted an awareness program related to hand & water hygiene with skit demonstration by doctors and nursing officer's. Mothers from village with their children and JP high schools students attended the program.



## **Roadmap**

### I. First 3-6 months:

1. Identification and adoption of rural health care centers to conduct a pilot observation study. Which includes daily visits of researchers to the health center, to observe practice patterns at health care facilities.
2. Preliminary data collection and follow-up of patients.

### II. Next 6-12 months

1. Formulating and Implement diagnostic algorithms (lab and biomarkers)
2. Conduct randomized, pragmatic and adaptive clinical trials on available and proposed therapies for sepsis, septic shock and its complications; to develop context-specific and data-driven management guidelines.

### III. Next 1 year - 2 years

1. Validating diagnostic algorithms
2. Implementing advanced analytical tools (AI) to facilitate early diagnosis of probable sepsis and referral.