

Dear IAPans,

Greetings and best wishes for the year 2021.

The editorial board is pleased to present the last issue of the year 2020. The commitment, efforts and unstinted support of the authors and reviewers made it possible to maintain the continuity and publishing time line. Varied issues in pediatric infectious diseases of importance and relevant to practice feature in the issue.

Research articles on comparison of sepsis and antimicrobial resistance pattern at a single center with the DeNIS study reiterates the problem of increasing AMR and neonatal morbidity and mortality due to sepsis. A nation-wide multicentric study on profile of infection in neonates and antibiotic sensitivity is needed to understand the issue and plan corrections.

Another well researched article describes the association between prevalence of Acute Respiratory Tract Infections (ARTI) in infant population and mode of delivery and the antibiotic use for management of ARTIs in 51,850 infants.

Treatment algorithm and management issue in febrile neutropenia are well reviewed in the article of Febrile Neutropenia in Children, current approach and challenges.

The article on Respiratory Syncytial Virus is a detailed account of clinical manifestations of RSV infection, treatment with emphasis on modalities like monoclonal antibody palivizumab, and what lies in future with respect to its prevention with nano particle RSV protein F vaccine for pregnant mothers to protect the infant through transplacental transfer of RSV antibodies. Clinical trials are going on for live attenuated RSV vaccine, vector-based vaccines, chimeric vaccine, subunit vaccines and are addressed in the article

Nutritionally acquired immune deficiency syndrome (NAIDS) is a significant disadvantage to children with malnutrition. The role of nutrients in immunity and markers of inflammation in infections are highlighted. The complex interaction between malnutrition, infection, and immunity are elucidated. A brief note on the 'ABCDEFG approach' for comprehensive assessment and nutrient supplementation for optimum intervention will be helpful to the readers.

Other articles discuss strategies for effective implementation of Antimicrobial Stewardship in healthcare facilities.

Immunology Corner has an article on Recurrent lower respiratory tract infection (pneumonia) and pragmatic approach to children and adults with recurrent pneumonia and a possible underlying immune defect are dwelled upon in the write-up.

In the service of IAP

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