



17th Global Summit on **Hematology and Infectious Diseases**

Garbage to Gold: Unique experience of cord blood transfusion in Covid induced chronic anemia

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The most devastating and destructive disease we have encountered in the last 1.8 years is COVID-19 (SARS-COV2). It is caused by corona virus, a RNA virus and leads to Severe acute respiratory syndrome, first identified in Wuhan, china on December , 2019. As of till date total 19.7 cr cases and total 42 lacs death found worldwide & in India till date total 3.16 cr cases and total 4.23 lacs death found. In this global pandemic situation patient are affected by long covid diseases, mostly by anemia i.e. iron deficiency (ID) anemia. Also, many of the patients especially in the developing countries have an already compromised hemoglobin level due to malnutrition, malaria, and helminthiasis and do not have access to safe blood transfusion nor can they afford erythropoietin treatment. In 1999, the safe and effective use of freshly collected, serologically tested, blood group matched cord blood transfusion for rectifying anemia was reported. Cord blood being fetal in nature is enriched with cytokines, growth factors and progenitor cells that can have a profound effect during transfusion.

Biography:

Amitabha Bhattacharya, MPhil student of Regenerative Medicine and Translational Sciences, School of Tropical Medicine, Kolkata. He passed MBBS in the year 1979 from Kolkata Medical College and also passed Diploma in Public Health from All India Institute Of Hygiene in 1988. He wrote several editorials as Editor of "YOUR HEALTH"-An Indian Medical Association Publication for the people to propagate Health Awareness amongst Community. He is at present Henry Associate Editor of "Journal Of the Indian Medical Association"- Indexed in Index Medicus. He retired as Deputy Chief Medical Health Officer, Kolkata Municipal Corporation. Throughout his career, he worked as Tuberculosis control officer of RNTCP Kolkata. He also worked for Malaria and Dengue control programme.