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Blood: Lead Fluid Tissue

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Short Communication

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ABSTRACT

Blood the fluid connective tissue has its preformed importance in every creature and is main base component for oxygen transport system in body. Blood accounts of 7% of human body weight and plays a vital role with its diversified functions in all body parts. Blood leads to many disorders which account for innumerable disorders whether with its components impairment or the gain/loss of cells. Present review focuses on major disorders, treatment, different examples of blood and blood component diseases.

INTRODUCTION

Blood disorders may relate to the blood components, Blood transfusion, micro-organism infections to blood etc. The blood disorders related to blood components are listed as: Blood cancers, Hemorrhage, Hematoma, Anemia, Sickle cell disease, Bacteremia, Malaria, Thrombocytopenia, Disseminated intravascular coagulation (DIC), Hemophilia, Polycythemia, Deep venous thrombosis (DVT), Myocardial infarction, Blood Transfusion Disorders etc.

Disorders Outlook

Refractory anemia in the cases of myelodysplastic syndrome has been reported in the patients taking anti-malarial chloroquine in combination with recombinant erythropoietin (darbepoetin alfa) [1]. Hematological Malignancies are freaky around in the world today with its vast effects spreading with mild misuse regarding the blood transfusions examples include: Hepatitis B reactivation in patients with hematological malignancies and transplant recipients [2]. Defects in the bone marrow also lead to the birth of major diseases [3]. Hemolytic anemia and Thrombophilia are the major problems in pregnancy especially in endemic areas of malaria of earlier. [4-7].

Atrial fibrillation common cardiac arrhythmia, Hematological Malignancies [8], α -Thalassemia [9], β -Thalassemia [10,11], Platelet Function Disorders are the most recent blood disorders presently spread with all the cases in and around the world especially in adolescents [12]. Atrial Fibrillation its effect when prothrombotic markers are used shows the irregular effects [13]. Systemic Lupus Erythematosus the major Hematological manifestation which lead to the coincidence of autoimmune hypothyroidism shows the recent reports [14]. Von Willebrand disease serious bleeding disorder and inherited is rare but has serious effects [15,16], severe anemia which is main effect of sepsis lead to lethal death owing loss of innumerable red blood cells [17,18].

Treatment Strategies

Administration of Tranexamic Acid (TA) is one of the most effective available blood conservation strategies either intraoperative or postoperative blood conservation strategy generally used [19,20]. Echocardiographic Studies in recent days have been enormously increasing for blood related disorders in coronary functions [21,22]. Anti-Thrombotic therapies are used in the analysis of various thrombotic disorders [23]. Many stem cell therapies evolved with simple preservation and vast uses in the treatment of blood disorders [24, 25], laser radiation therapy, Biomarkers in detection serious blood implications is used.

CONCLUSION

Recent studies show immense increase in therapies associated with blood disorders development and the healthy life with proper exercise can decrease the effects of blood content in other organs and tissues.

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