

## Clinical approach to pancytopenia in children

Isha Deshmukh

Isha Deshmukh



### Abstract

Pancytopenia is a common haematological condition often encountered in day to day clinical practice. It is defined as a decrease in all the three cell lines of blood viz., red blood cells, leucocytes, and platelets. Many diseases affect production of these cells by bone marrow resulting into pancytopenia i.e., simultaneous presence of anaemia, leucopenia, and thrombocytopenia. Pancytopenia is defined as haemoglobin of  $< 9$  gm/dl, WBC  $< 4,000$ /cmm, and platelets  $< 100,000$ /cmm. Severe pancytopenia is defined as absolute neutrophil count  $< 500$ /cmm, platelet count  $< 20,000$ /cmm, and corrected reticulocyte count  $< 1\%$ .

- Presenting symptoms of pancytopenia may be attributable to anaemia, leucopenia, and/or thrombocytopenia. Anaemia may present with fatigue, breathlessness, and cardiac symptoms. Neutropenia may present with febrile illness due to increased susceptibility to infections.
- Pancytopenia should be suspected on clinical grounds in any patient presenting with unexplained anaemia, prolonged fever and bleeding tendency. The severity of pancytopenia and underlying aetiology determine the management and prognosis.
- With the above background we hereby discuss the clinical approach to pancytopenia in pediatric population and the various diseases presenting as pancytopenia

### Biography

Isha Deshmukh in Pune is one of the leading businesses in the Paediatricians. Also known for Online Learning Disability Doctors, Paediatric Respiratory Infection Treatment, Paediatric ENT Doctors, Paediatric Urologist Doctors, Diagnostic Centres, Neurologists, Private Hospitals, ENT Doctors and much more. Find Address, Contact Number, Reviews & Ratings, Photos, Maps of Dr. Isha Deshmukh, Pune.



[7<sup>th</sup> World Summit on Cancer Science and Oncology](#) | December 14, 2021

**Citation:** Isha Deshmukh, Clinical Approach to Pancytopenia in Children, World Oncology 2021, 7<sup>th</sup> World Summit on Cancer Science and Oncology, December 14, 2021 05