

Prof. Wing Leung

Advances in Stem Cell Transplant for Pediatric Cancer

Abstract:

Hematopoietic stem cell transplantation is an established treatment for many high-risk pediatric cancers. Patient outcome has improved steadily over time; however, substantial barriers remain, including lack of donor, graft rejection, graft versus host disease, infection, cancer recurrence, and late effects. Furthermore, transplantation is costly financially and psychosocially.

In this lecture, Prof. Leung will discuss recent advances in stem cell transplantation for pediatric cancer. Principles and examples of current practices in donor selection, cell manipulation, conditioning regimen, and post-transplant care will be presented. The ultimate goal is delivery of contemporary transplant procedures to all patients in need to improve patient outcome and reduce cost.