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New avenues of hematopoietic stem cell transplantation

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We here report mayor scientific contributions that have rapidly revolutionized today's haematopoietic stem cell transplantation strategies: Bone marrow, stimulated apheresis product or umbilical cord blood stem cells- which graft works best in the adult transplant setting? Does HLA disparity really limit transplantation success? CD34 selection, CD3/19 depletion and T cell therapies - how to puzzle the perfect cell graft. The stem cell recipient of increasing age: What is the appropriate conditioning chemotherapy with little toxicity?