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Post-transplantation lymphoproliferative disorders: Current concepts and future therapeutic approaches

Abbas F *et al*, PTLD, Current concepts and future therapeutic approaches

8 Fedaey Abbas, Mohsen El Kossi, Ihab Sakr Shaheen, Ajay Sharma, Ahmed Halawa

Abstract

Transplant recipients are vulnerable to a higher risk of malignancy after solid organ transplantation and allogeneic hematopoietic stem-cell transplant. Post-transplant lymphoproliferative disorders (PTLD) include a wide spectrum of diseases ranging from benign proliferation of lymphoid tissues to frank malignancy with aggressive behavior. Two main risk factors of PTLT are: firstly, the cumulative immunosuppressive burden, and secondly, the oncogenic impact of the Epstein-Barr virus. The latter is a key pathognomonic driver of PTLT evolution. Over the last two decades, a considerable progress has been made in diagnosis and therapy of PTLT. The treatment of PTLT includes reduction of immunosuppression, rituximab therapy, either isolated or in combination with other chemotherapeutic agents, adoptive therapy, surgical intervention, antiviral therapy and radiotherapy. In this review we shall

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Published in: **Current Oncology Reports** · 2010

Authors: Andrew M Evens · Rupali Roy · Danielle Sterrenberg · Michelle Z Moll · Amy Chadburn

Affiliation: Northwestern University

About: B cell · Lymphoma · Epstein–Barr virus · Rituximab · Organ transplantation · Polymorph...

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Cited by: 16 **Author:** Heiner Zimmermann, Ralf Ulrich Trappe

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