

# Egyptian Experience in Haploidentical Hematopoietic Stem Cell Transplantation



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## Abstract

Despite advances in chemotherapy, Allogeneic hematopoietic stem cell transplantation (HSCT) remains the best post-remission therapy for patients with high risk hematological malignancies.

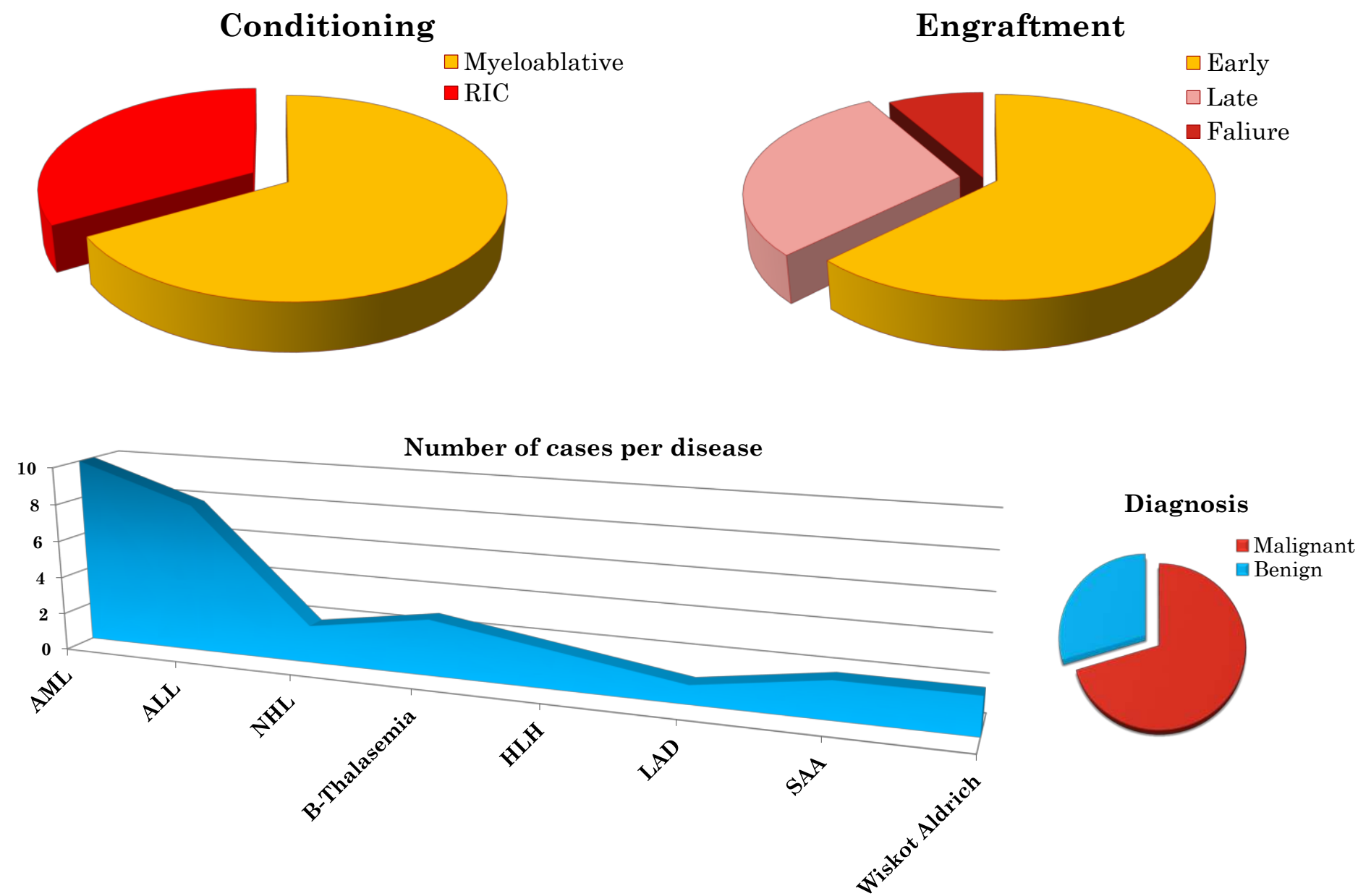
## Background

Haploidentical HSCT is a therapeutic option for patients lacking HLA-matched donor and the need of such therapeutic option is particularly acute in developing countries, lacking unrelated donor registry.

## Objective

To assess 1 year overall survival, Engraftment timing, GvHD and relapse in patients diagnosed to have hematological malignancies who underwent haploidentical HSCT.

## Materials & Methods



## Summary

Eighteen patients were alive 1 year post-transplant, fifteen patients showed engraftment ranging from Days 18 till Day 25 post-transplant, while 7 showed Engraftment +25 days post-transplant, two showed graft failure, three developed acute GvHD with one developed chronic GvHD, four patients showed relapse 4,8,10 and 12 month post-transplant respectively.

## Discussion

Transplant outcomes using haploidentical donors with PTCy have improved over the past several years and are comparable with outcomes of matched unrelated donors. Haploidentical HSCT is emerging as a fast type of transplant, offering a therapeutic alternative for wide variety of hematological malignancies, particularly for patients without HLA-compatible donors.

## References

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