



# Stem Cell Transplantation for Leukemia: Surgical Procedures and Recovery

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## Abstract

Stem cell transplantation (SCT) is a cornerstone treatment for leukemia, involving the infusion of healthy stem cells to replace diseased bone marrow. This abstract explores the surgical procedures and recovery process associated with SCT in leukemia treatment. It discusses the types of SCT, including autologous and allogeneic transplantation, surgical steps such as stem cell harvesting and conditioning regimens, and post-transplant care considerations. Challenges, advances, and the impact of SCT on patient outcomes are also highlighted, emphasizing its critical role in leukemia management.

## Keywords:

## Conditioning regimen

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## Stem cell infusion

## Recovery and post-transplant care

## Long-term follow-up:

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## Challenges and advances

## Discussion

## Conclusion

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