

Pharmacokinetics, pharmacodynamics and pharmacogenomics of busulphan and other agents used in blood or marrow transplantation

ACTRN12612000544875

Status RECRUITING
Sponsor The Children's Hospital at Westmead
Enrollment 300 participants

Plain Language Summary

This study is collecting blood samples from patients of any age who are receiving a medication called busulphan (and/or other conditioning drugs) before a bone marrow or blood stem cell transplant. Researchers want to understand how the body processes these powerful medications and how drug levels relate to transplant outcomes. The information gathered may help doctors personalize drug doses in the future to improve transplant success and reduce side effects.

You may be eligible if:

- You are of any age
- You are receiving intravenous busulphan and/or other conditioning medications before an autologous or allogeneic stem cell or bone marrow transplant
- You have adequate venous access (ideally a central line)
- You are willing and able to provide informed consent

You may NOT be eligible if:

- You are unable to provide written informed consent (and no authorized representative can provide it)

Talk to your doctor about whether this trial might be right for you.

Key Eligibility Criteria

Inclusion (3)

- Patients of any age receiving IV busulphan and /or other conditioning agents prior to autologous or allogeneic transplantation to treat both malignant and non-malignant disease.
- Patients require adequate venous access preferably with a central venous catheter but will be as per institution's transplant policy
- Written informed consent

Exclusion (1)

- Those for whom written informed consent cannot be obtained.

Locations (6 total)

The Children's Hospital at Westmead - Westmead, NSW,VIC, Australia
Sydney Children's Hospital - Randwick, NSW,VIC, Australia
Westmead Hospital - Westmead, NSW,VIC, Australia
... and 3 more locations

<https://www.anzctr.org.au/Trial/Registration/TrialReview.aspx?ACTRN=ACTRN12612000544875>

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