

# Intraosseous Infusion in Hematologic Critical Patients

NCT07239375

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Status	RECRUITING
Sponsor	Shanxi Bethune Hospital
Enrollment	52 participants

## Key Eligibility Criteria

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### Inclusion (1)

- \. Age: 18 to 65 years old. 2. Critically patients with hematologic diseases, including: ` Highly suspected or diagnosed patients with rapidly progressing highly lethal hematological diseases;a Patients with hematological disorders complicated by severe complications, including agranulocytosis, thrombocytopenia, severe anemia, advanced tumors,septic shock, sepsis, DIC severe gastrointestinal bleeding, involvement of the central nervous system or intracranial hemorrhage, etc;b Patients with hematological diseases combined with important organ dysfunction, including respiratory failure, heart failure, renal failure, liver failure, etc;c Patients undergoing hematopoietic stem cell transplantation or those experiencing serious complications in new immunotherapy, such as hyperacute graft-versus-host disease (GVHD), grade 3-4 cytokine release syndrome (CRS) or immune effector cell associated neurotoxicity syndrome (ICANS), grade 3-4 immune checkpoint inhibitor associated interstitial lung disease, etc;d Other critically patients who require life support and 24-hour monitoring.

### Exclusion (3)

- \. Fracture at the intended puncture site (due to the risk of fluid extravasation into subcutaneous tissues).
- \. Extensive soft tissue injury at the intended puncture site, resulting in insufficient anatomical landmarks for safe puncture.
- \. Local infection in the intended puncture area. 4. History of major orthopedic surgery in the intended puncture region. 5. Presence of a local prosthetic implant. 6. A site previously used for intraosseous (IO) access within the last 24 hours (to avoid re-puncture).

## Locations (1 total)

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Shanxi Bethune Hospital, Taiyuan, Shanxi, China