Therapeutic platelet transfusion versus routine prophylactic transfusion in patients with haematological malignancies: an open-label, multicentre, randomised study

Hannes Wandt, Kerstin Schaefer-Eckart, Knut Wendelin, et al for the Study Alliance Leukemia
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- Platelet transfusion

- 391 patients acute myeloid leukemia (AML) induction therapy consolidation chemotherapy
- 190 patients autologous stem cell transplantation (ASCT) induction therapy consolidation chemotherapy

- Randomized study prophylactic transfusion

- Therapeutic transfusion

- Clinical bleeding

- Sepsis

- Fungal infection

- Coagulopathy

- Platelet transfusion

- 10x10^9/\text{L} (prophylactic platelet transfusion) 1 (Ref 2) platelet transfusion

- 10x10^9/\text{L} (prophylactic platelet transfusion) A

- 199 patients assigned prophylactic transfusion

- 197 patients assigned prophylactic transfusion

- 1.63 vs 2.44 unit, p < 0.00001

- AML

- ASCT

- Clinical bleeding

- (42% vs 19%, p)