

Cytarabine (High-Dose Single-Agent AML Induction Regimen)

Index Terms HD Cytarabine (Single Agent AML Induction); HIDAC (Single Agent AML Induction)

Use Leukemia, acute myeloid

Regimen NOTE: Multiple variations are listed.

Variation 1 (ages 14 to 50 years):

Cytarabine: I.V.: 3 g/m² over 2 hours every 12 hours days 1 to 6 (total of 12 doses)

[total dose/cycle = 36 g/m²]

May administer a second induction cycle if needed

Variation 2 (ages >50 years):

Cytarabine: I.V.: 2 g/m² over 2 hours every 12 hours days 1 to 6 (total of 12 doses)

[total dose/cycle = 24 g/m²]

May administer a second induction cycle if needed

References

Karanes C, Kopecky K.J, Head DR, et al "A Phase III Comparison of High Dose ARA-C (HIDAC) Versus HIDAC Plus Mitoxantrone in the Treatment of First Relapsed or Refractory Acute Myeloid Leukemia - Southwest Oncology Group Study," *Leuk Res*, 1999, 23(9): 787-94.

- ◆ **Cytarabine-Idarubicin (5 + 2) (AML Consolidation)** see 5 + 2 (Cytarabine-Idarubicin) (AML Consolidation) on page 1414
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Cytarabine (Single-Agent AML Consolidation Regimen)

Use Leukemia, acute myeloid

Regimen NOTE: Multiple variations are listed.

Variation 1:

Cytarabine: I.V.: 3 g/m² over 3 hours every 12 hours on days 1, 3, and 5 (total of 6 doses)

[total dose/cycle = 18 g/m²]

Repeat cycle every 4 to 5 weeks (depending on marrow recovery) for a total of 4 postremission cycles

Variation 2:

Cytarabine: I.V.: 400 mg/m²/day continuous infusion on days 1 to 5

[total dose/cycle = 2000 mg/m²]

Repeat cycle every 4 to 5 weeks (depending on marrow recovery) for a total of 4 postremission cycles

Variation 3:

Cytarabine: I.V.: 100 mg/m²/day continuous infusion on days 1 to 5

[total dose/cycle = 500 mg/m²]

Repeat cycle every 4 to 5 weeks (depending on marrow recovery) for a total of 4 postremission cycles