

Chemotherapy Protocol

Acute Myeloid Leukaemia

AZACIIDINE (SC) - VENETOCIAX

Regimen

AVL - Azacitidine (SC) - Venetodax

Indication

Newly diagnosed acute myeloid leukaemia (AMI).

Patient has had is having molecular analysis performed

Patient has de novo AML or secondary AML

The most recent bone manowblast court shows more than 30% blasts.

Standard intensive chemotherapy is unsuitable due to age, fitness or the presence of significant complicities

Patient has been prospectively assessed for the risk of development of turnourly sis syndrome with venetoclax and that appropriate risk mitigation strategies have been put implace.



Moritaing

Viral screening is required before starting treatment including Hepatitis B surface artigen, core artibody and HV status.

FBC, U8Es (including potassium, serumbicarborate, blood use a nitrogen, phosphate, LDH, creatinine, adjusted calcium and uic acid) and LFTs should be measured prior to starting therapy and pre-existing electrolyte abnormalities conected. There is a nisk of tumor lysis syndrome (ILS) hence it is necessary to monitor potassium, uic acid, phosphate, adjusted calcium, LDH and creatinine at 6 to 8 hours and at 24 hours after the first dose and during each dose increase of venetoclax. Electrolyte abnormalities should be conected promptly. The next venetoclax dose should not be administered until the 24 hour blood chemistry results have been evaluated (see section on TLS below).

If known cardiovas cular or pulmonary disease patients should undergo a full cardiopulmonary assessment before and during treatment with azacitadine.

Dose Modifications





Dose Information

Azacitidine will be dose banded according to the national dose bands (25mg/ml).

Venetodaxis available as 10 ng 50 ng and 100 ng film coated tablets.

Administration Information

Before administration the contents of the azacitidine syringe must be re-suspended by inverting the syringe 2 3 times and vigorously rolling the syringe between the palms for 30 seconds.

Azaciticine should be administered by subcutaneous injection into the upper arm, thigh or abdomen Injections ites should be rotated. New injections should be given at least 25 cms from the previous sites and never into areas where the site is tender;



particularly instructed to dirk 1.5 to 2L of vater daily, 2 days prior to and the days of dosing at initiation and each subsequent dose increase. Intravenous fluids should be administered as indicated based on overall risk of TLS or for those who cannot maintain an adequate level of oral hydration

Hydrocortisone 1% creamapply to the injection site for the relief of inflammation up to four times a day, topical.

Serna 15 ng at night when required for the relief of constipation coal.

Acidovir 400 mg twice a day

Antifurgal prophylaxis

- Posacorazole tablets 300 ng twice a day on D4, then 300 ng once a day thereafter
- Varioanazale tablets 400 mg twice a day on D4, then 200 mg twice a day thereafter

Additional Information

The National Patient Safety Alert on oral chemotherapy (NPSA/2008/RRR001) must be followed in relation to venetoclas:

It must be made clear to all staff, including those in the community, that venetoclax must only be prescribed under the supervision of a consultant haematologist

There are many drug interactions associated with venetoclax Always checkfording interactions.

References

- DiNardo et al (2018) Safety and preliminary efficacy of venetocks: with decitabine or azacitidine in elderly patients with previously untreated acute myeloid leukaemia: a non randonised open label, phase 1b study Di Nardo et al. Lancet Oncol 19: 216:228
- 2 Divado et al. (2019) Venetocks combined with decitabine or azacitidine in treatment-naïve, elderly patients with acute myeloid leukaenia. Blood. 133(1):7-17
- 3 Agarval SKetal (2017) Management of Venetoclase Posaconazole Interaction in Acute Myeloid Leukemia Patients: Evaluation of Dose Adjustments. Clin Ther. 2017 Feb;39(2):359:367
- 4 Abbrie Vendyato® Summary of Product Characteristics. Updated 25 02.22 Accessed on 13 06 22 via http://www.medicines.org/uk/enc.
- 5 Bristol Mess Squibb Pharmaceuticals Limited Vidaza® Summary of Product Characteristics. Updated 30052022 Accessed on 14062022 via http://www.medicines.org.uk/emc



Day 2



Day 4

18 Ordensetron Engagal crintavenous

19 Azacitidine 75 mg/milinvater for injection over one minute subcutaneous injection Administration instructions:

Before administration the contents of the syringe must be re-suspended by inverting the syringe 23 times and vigorously rolling the syringe between the palms for 30 seconds.

Azacitidne should be administered by subcutaneous injection into the upper arm, thigh or abdomen Injection sites should be notated. New injections should be given at least 2.5 cm from the previous site and never into areas where the site is tender; busised, red, or hardened.

Doses of greater than 100 ng (4 n I.) should be injected into two separate sites.

Day one of the cycle should be a Monday

Take home Day 4

20 Warring - Checkhydration status

Administration in a vitable v M

Patients should be adequately hydrated during the dose titration phase to reduce the risk of TLS. Patients should be instructed to drink plenty of vater daily starting 2 days before and throughout the dose titration phase. Patients should be particularly instructed to drink 1.5 to 2L of vater daily, 2 days prior to and the days of dosing at initiation and each subsequent dose increase. Intravenous fluids should be administered as indicated based on overall risk of TLS or for those who cannot maintain an adequate level of oral hydration.

21. Warring - Check Venetockax Dose

Administration Instructions

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22



Cycle 2 crawards

Day 1, 2, 3, 4, 5, 8, 9

26 Ordensetton Engas la cristavenous

27. Azacitidne 75 ng/minvater for injection over one minute subcutame ous injection

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Take home Day 1

28 Venetodax 100 ng cree a day for 28 days cral

Administration Information

Take with criust after food, crameal. Take with a full glass of water.

29 Metodopramide 10 ng three times a day when required for the relief of nausea oral

Administration Instructions

Please supply 28 tablets or nearest equivalent packsize

30 Hydrocatisone 1% creamapply to the injection site for the relief of inflammation up to four times a day, topical.

Administration instructions

Please supply 30g or nearest equivalent original pack

31. Senna 15 mg at night when required for the relief of constipation, or al.

Administration instructions:

Please supply 28 tablets or nearest equivalent

32 Antifungal prophylaxis

Administration instructions

The choice of artifungal prophylaxis is dependent on local formulary and may include

- Posaccrazde tablets 300 ng cree a day for 28 days.
- Varicanazale tablets 200 ng twice a day for 28 days.

33 Acidovir 400 mg twice a day for 28 days

